

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066146.D
 Acq On : 06 Aug 2020 20:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/7/2020 12:48:38 PM

Quant Time: Aug 07 02:44:20 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	7.98	168	312537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	490759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	460675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	155824	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
35) Dibromofluoromethane	7.91	113	159961	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.34	98	609379	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.64	95	211500	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116824	42.427	ug/l	98
3) Chloromethane	2.20	50	107687	50.275	ug/l	98
4) Vinyl Chloride	2.34	62	98350	51.863	ug/l	95
5) Bromomethane	2.77	94	70485	56.023	ug/l	94
6) Chloroethane	2.92	64	62118	53.364	ug/l #	83
7) Trichlorofluoromethane	3.27	101	220692	44.639	ug/l	99
8) Diethyl Ether	3.71	74	72284	51.817	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	136418	46.495	ug/l	99
10) Methyl Iodide	4.30	142	156800	57.532	ug/l	97
11) Tert butyl alcohol	5.21	59	49753	236.981	ug/l	100
12) 1,1-Dichloroethene	4.07	96	135355	48.902	ug/l	94
13) Acrolein	3.92	56	46542	209.702	ug/l	99
14) Allyl chloride	4.71	41	230674	55.011	ug/l	97
15) Acrylonitrile	5.41	53	159919	272.045	ug/l	100
16) Acetone	4.16	43	120383	227.541	ug/l	93
17) Carbon Disulfide	4.40	76	434977	49.426	ug/l	97
18) Methyl Acetate	4.71	43	70376	52.370	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	335037	52.811	ug/l	97
20) Methylene Chloride	4.96	84	181885	60.878	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	164077	51.602	ug/l	94
22) Diisopropyl ether	6.36	45	470843	56.782	ug/l	98
23) Vinyl Acetate	6.30	43	1349977	277.893	ug/l	99
24) 1,1-Dichloroethane	6.26	63	278462	54.263	ug/l	100
25) 2-Butanone	7.21	43	195860	251.700	ug/l	96
26) 2,2-Dichloropropane	7.20	77	201356	43.778	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	185320	55.567	ug/l	97
28) Bromochloromethane	7.54	49	104902	58.201	ug/l	95
29) Tetrahydrofuran	7.56	42	130306	270.281	ug/l	97
30) Chloroform	7.71	83	286202	53.114	ug/l	94
31) Cyclohexane	7.98	56	227402	46.552	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	255783	50.627	ug/l	99
36) 1,1-Dichloropropene	8.11	75	213582	46.314	ug/l	99
37) Ethyl Acetate	7.29	43	88384	48.371	ug/l	96
38) Carbon Tetrachloride	8.09	117	225665	43.881	ug/l	93

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MMDadoda
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Quant Time: Aug 07 02:44:20 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	251982	45.201	ug/l	97
40) Benzene	8.35	78	641104	50.113	ug/l	97
41) Methacrylonitrile	7.53	41	60459m	56.276	ug/l	
42) 1,2-Dichloroethane	8.43	62	183298	48.772	ug/l	100
43) Isopropyl Acetate	8.45	43	182492	50.691	ug/l	99
44) Trichloroethene	9.11	130	184559	47.875	ug/l	100
45) 1,2-Dichloropropane	9.38	63	160442	51.278	ug/l	96
46) Dibromomethane	9.47	93	85404	49.554	ug/l	99
47) Bromodichloromethane	9.66	83	223523	49.072	ug/l	97
48) Methyl methacrylate	9.46	41	90412	49.183	ug/l	94
49) 1,4-Dioxane	9.46	88	20496	925.662	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	465522	251.738	ug/l	100
52) Toluene	10.40	92	423096	50.260	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	214292	49.573	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	249383	49.239	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	119888	48.309	ug/l	96
56) Ethyl methacrylate	10.66	69	155449	52.143	ug/l	98
57) 1,3-Dichloropropane	10.94	76	204568	49.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	381428	284.437	ug/l	99
59) 2-Hexanone	10.98	43	318892	245.713	ug/l	97
60) Dibromochloromethane	11.14	129	164175	47.918	ug/l	98
61) 1,2-Dibromoethane	11.24	107	121583	50.943	ug/l	96
64) Tetrachloroethene	10.87	164	161385	45.621	ug/l	96
65) Chlorobenzene	11.67	112	459834	49.170	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	173260	47.350	ug/l	99
67) Ethyl Benzene	11.74	91	786230	48.515	ug/l	98
68) m/p-Xylenes	11.86	106	605399	96.419	ug/l	99
69) o-Xylene	12.18	106	285846	50.046	ug/l	98
70) Styrene	12.20	104	497808	49.732	ug/l	100
71) Bromoform	12.37	173	99838	46.052	ug/l #	99
73) Isopropylbenzene	12.48	105	767578	50.589	ug/l	100
74) N-amyl acetate	12.29	43	175561	52.545	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	127175	49.155	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	91536m	48.290	ug/l	
77) Bromobenzene	12.77	156	193681	49.588	ug/l	96
78) n-propylbenzene	12.83	91	877019	49.725	ug/l	99
79) 2-Chlorotoluene	12.91	91	510170	50.575	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	637258	50.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	39511	46.078	ug/l	97
82) 4-Chlorotoluene	13.01	91	538030	50.525	ug/l	100
83) tert-Butylbenzene	13.23	119	557664	49.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	643654	50.686	ug/l	99
85) sec-Butylbenzene	13.41	105	734533	48.753	ug/l	99
86) p-Isopropyltoluene	13.52	119	686124	48.554	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	356704	48.592	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	356925	48.755	ug/l	99
89) n-Butylbenzene	13.85	91	609707	48.157	ug/l	98
90) Hexachloroethane	14.11	117	137401	48.753	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	320275	49.334	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21284	47.865	ug/l	99

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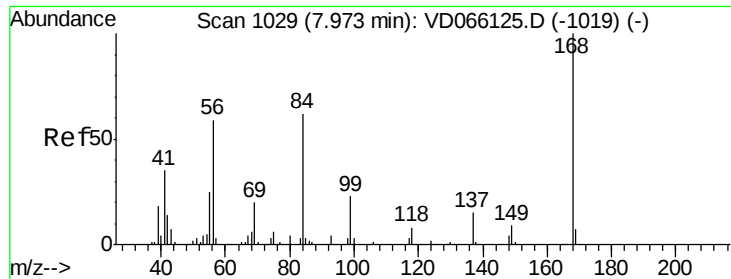
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	226030	47.245	ug/l	98
94) Hexachlorobutadiene	15.27	225	128434	45.588	ug/l	99
95) Naphthalene	15.41	128	401855	51.550	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	202872	48.035	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 312537

Ion Ratio Lower Upper

168 100

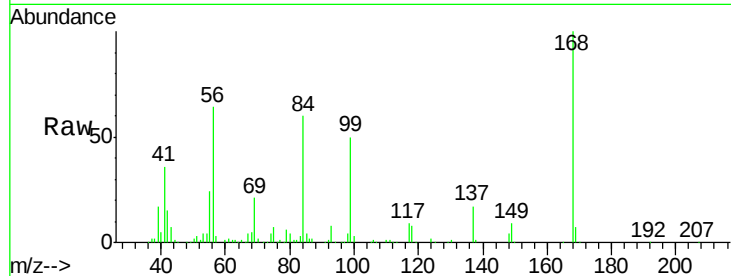
99 49.7 42.2 63.4

Manual Integrations

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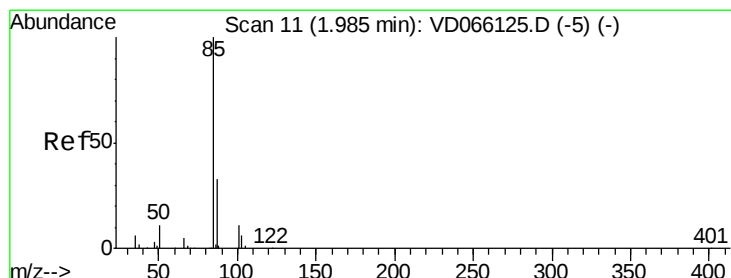
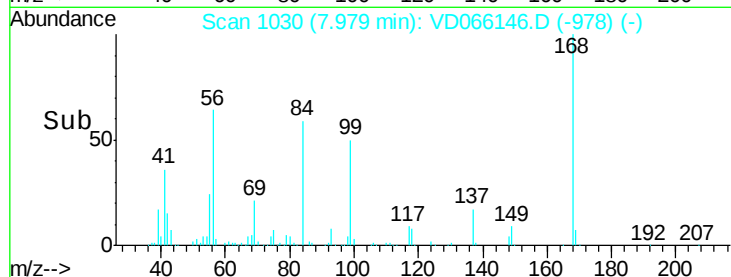
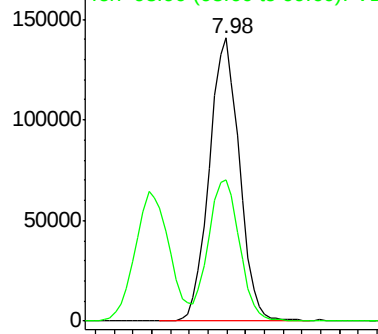
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 42.427 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066146.D

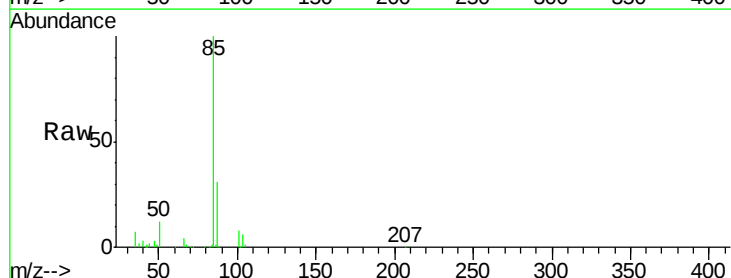
Acq: 06 Aug 2020 20:35

Tgt Ion: 85 Resp: 116824

Ion Ratio Lower Upper

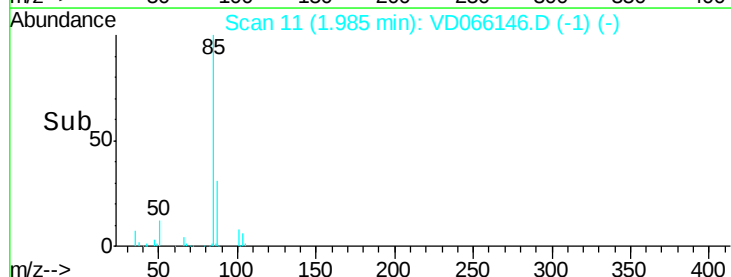
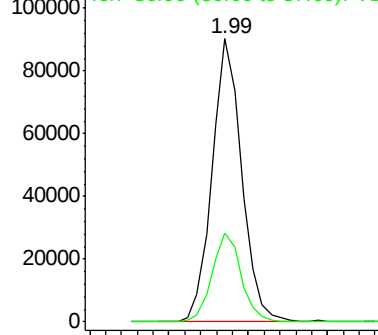
85 100

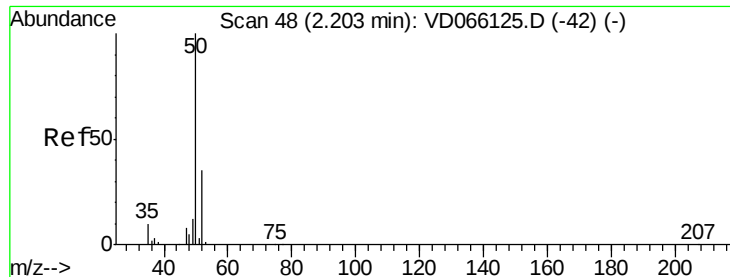
87 31.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.275 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 107687

Ion Ratio Lower Upper

50 100

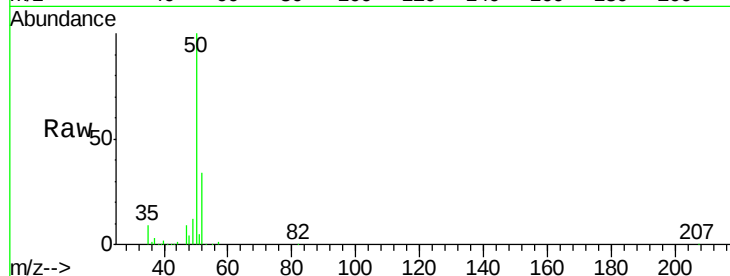
52 33.8 27.9 41.9

Manual Integrations

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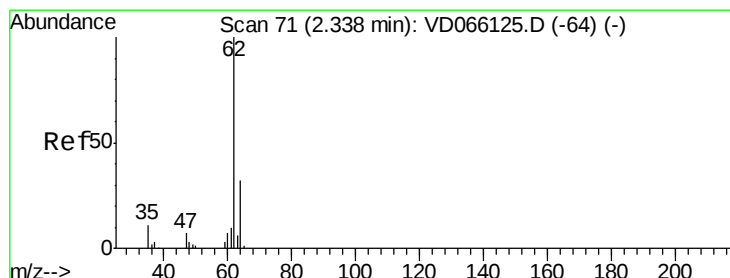
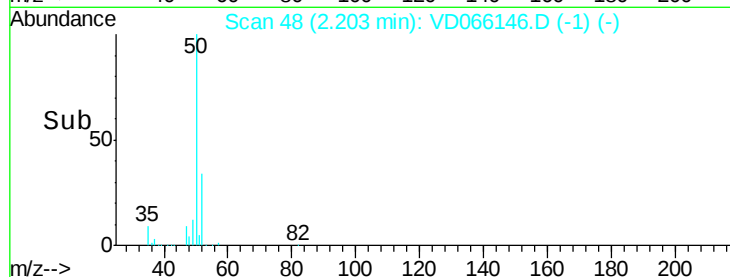
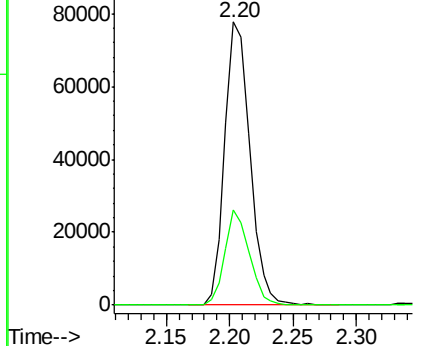
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.863 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066146.D

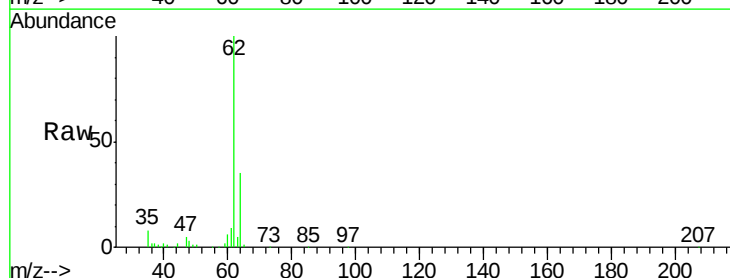
Acq: 06 Aug 2020 20:35

Tgt Ion: 62 Resp: 98350

Ion Ratio Lower Upper

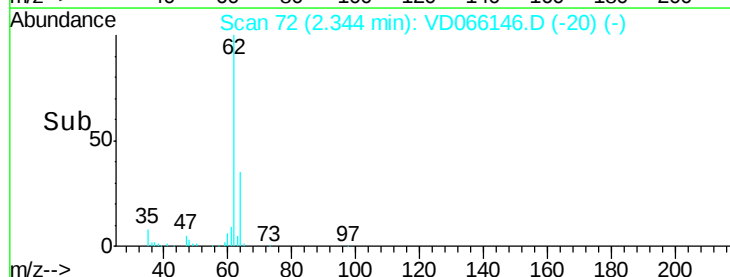
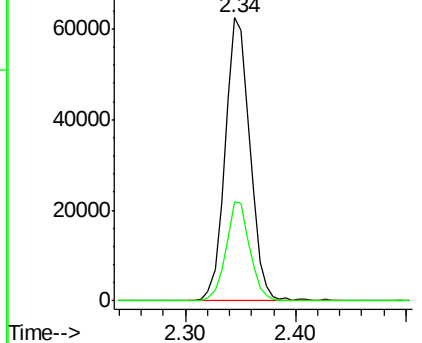
62 100

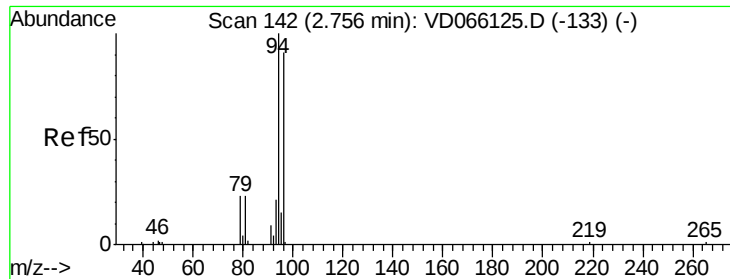
64 34.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.023 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70485

Ion Ratio Lower Upper

94 100

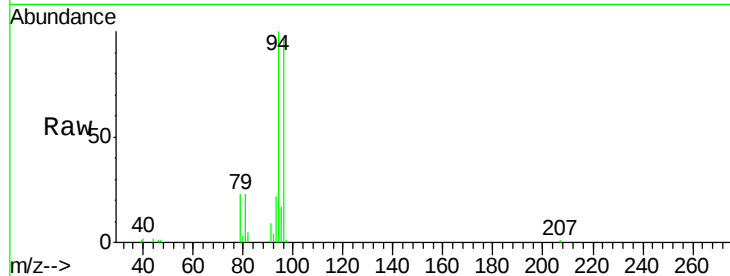
96 96.6 72.6 109.0

Manual Integrations

APPROVED

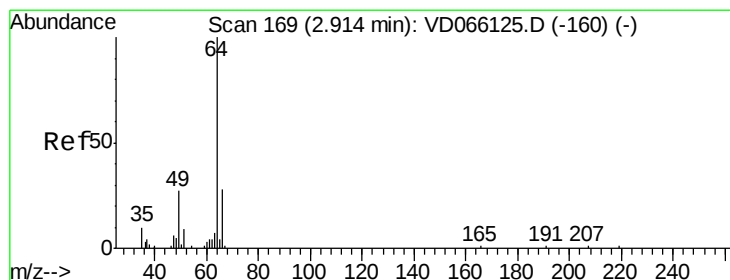
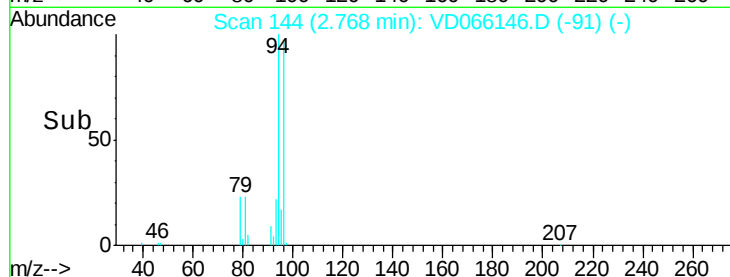
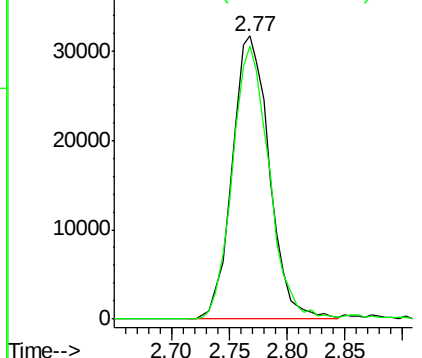
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.364 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066146.D

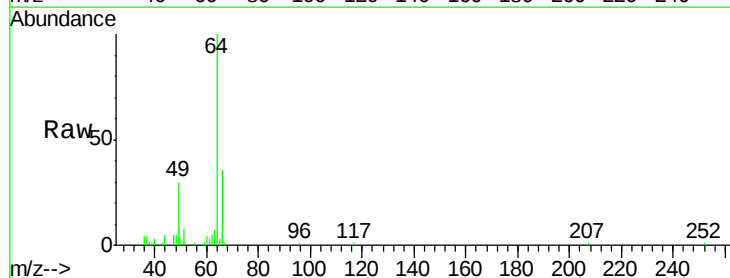
Acq: 06 Aug 2020 20:35

Tgt Ion: 64 Resp: 62118

Ion Ratio Lower Upper

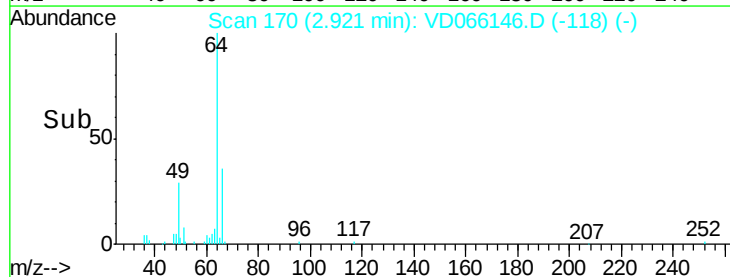
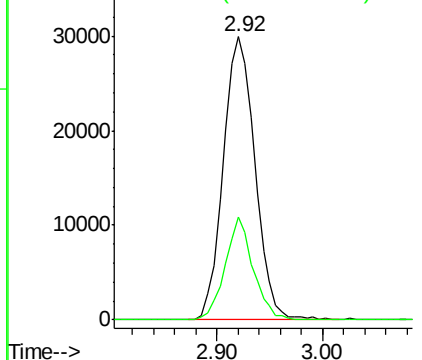
64 100

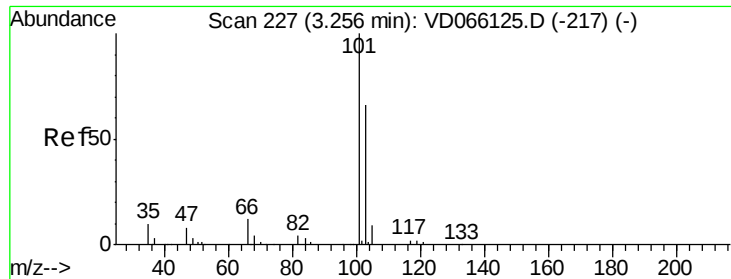
66 36.3 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

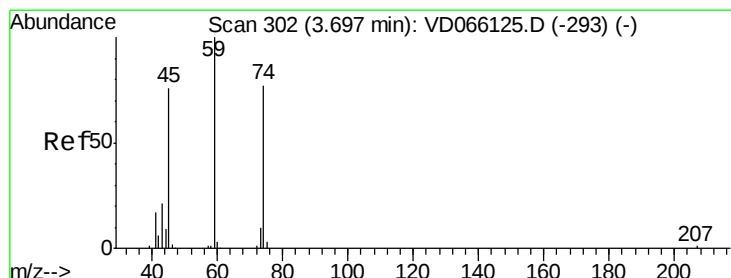
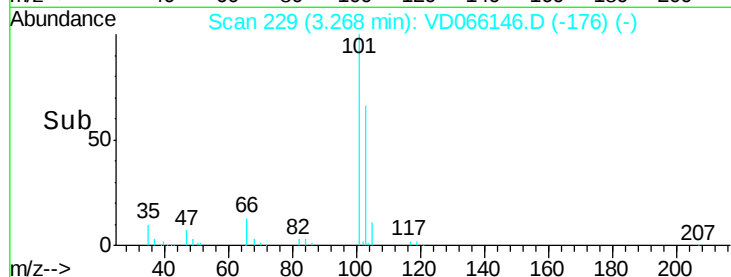
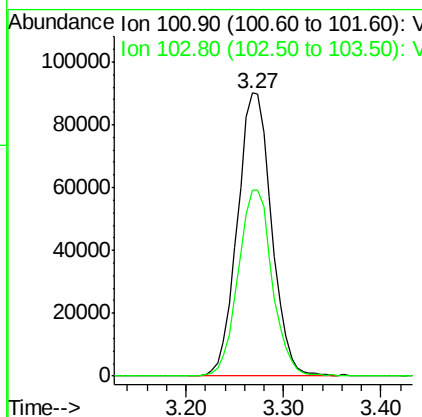
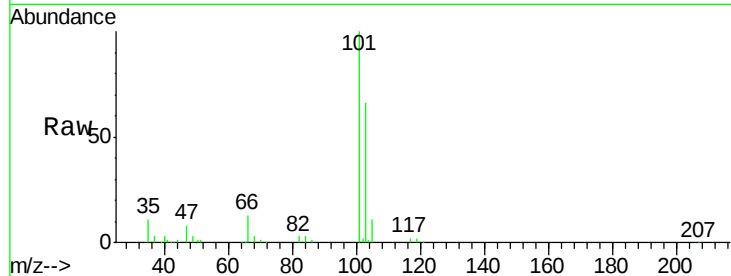
Trichlorofluoromethane
Concen: 44.639 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	220692		
103	65.9	53.0	79.6	

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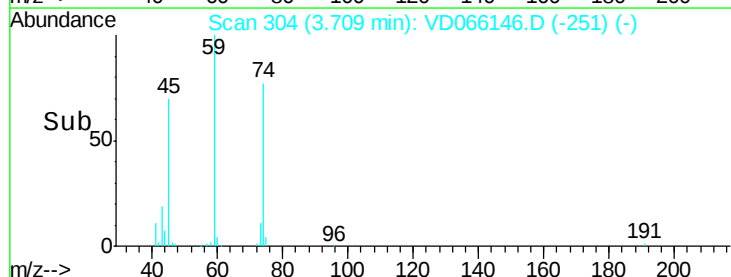
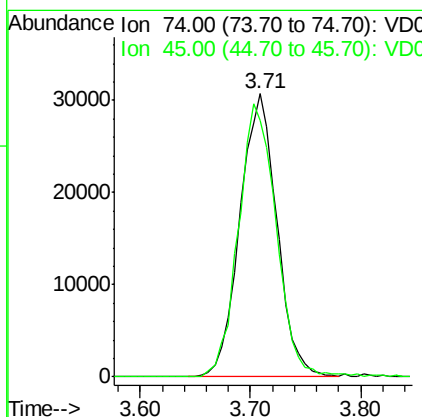
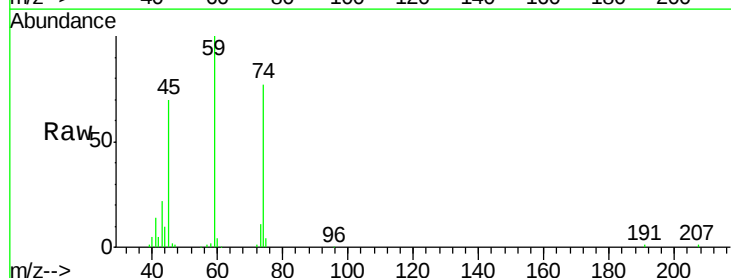
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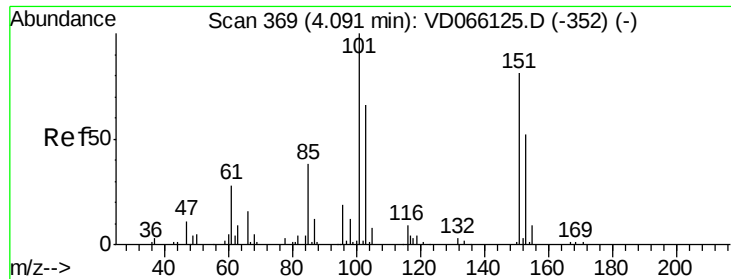


#8

Diethyl Ether
Concen: 51.817 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	72284		
45	98.8	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.495 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

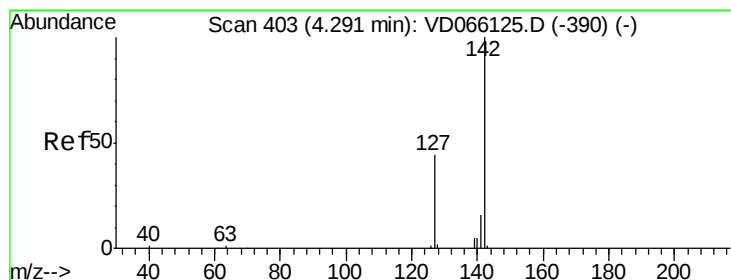
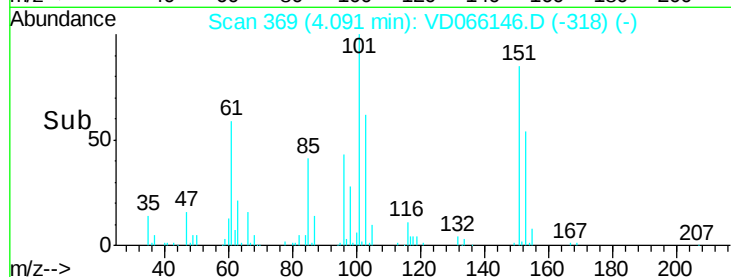
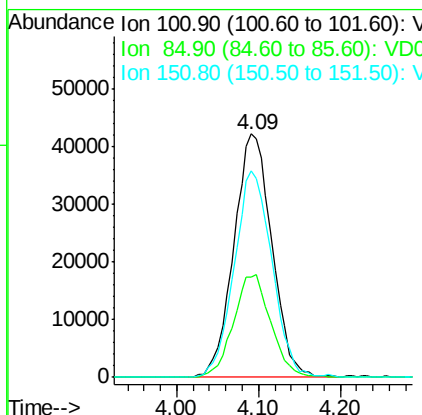
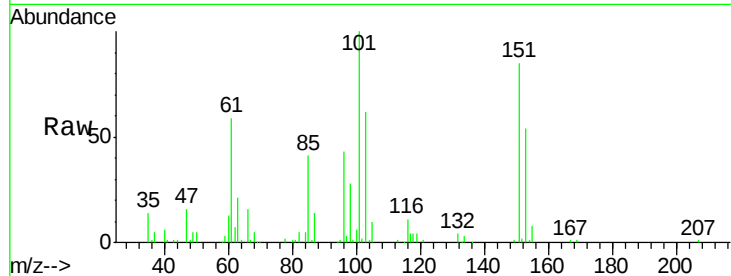
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	136418
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.5	50.3
151	84.2	67.8	101.8

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#10

Methyl Iodide

Concen: 57.532 ug/l

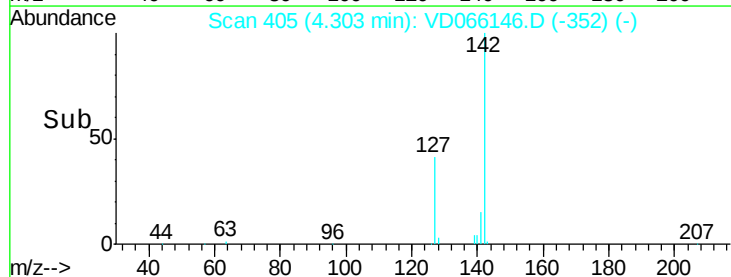
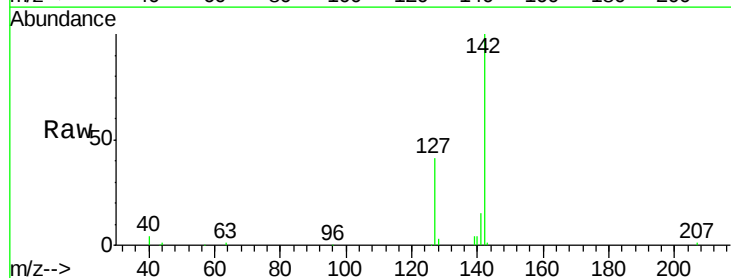
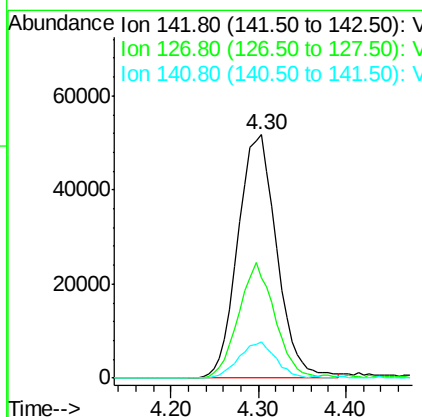
RT: 4.30 min Scan# 405

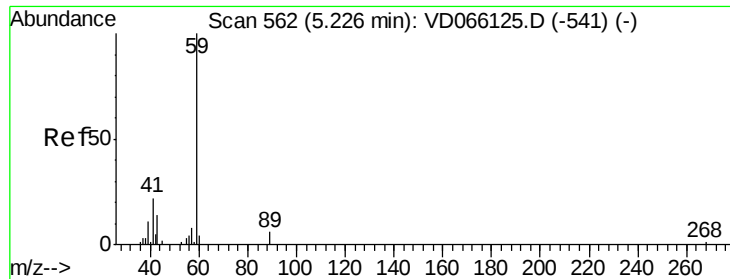
Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Tgt Ion:	142	Resp:	156800
Ion Ratio	Lower	Upper	
142	100		
127	43.9	36.2	54.4
141	14.1	12.6	18.8





#11

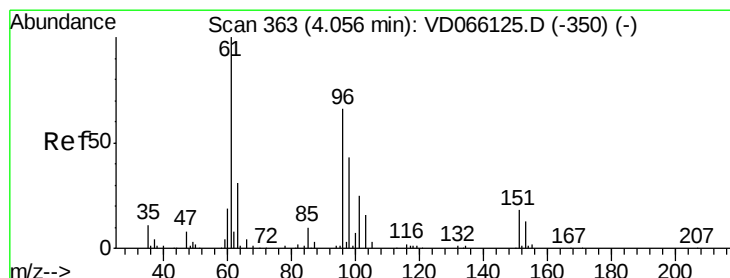
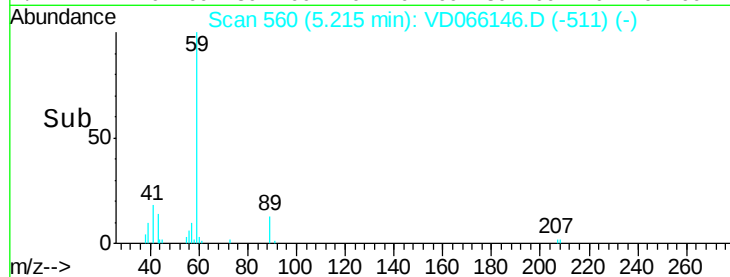
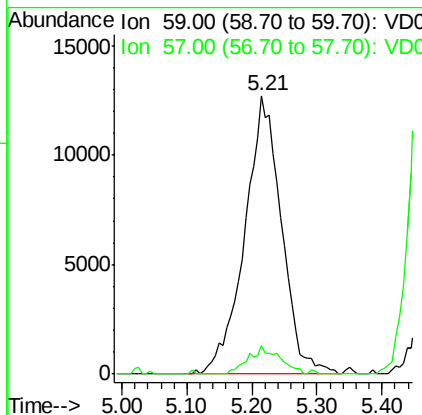
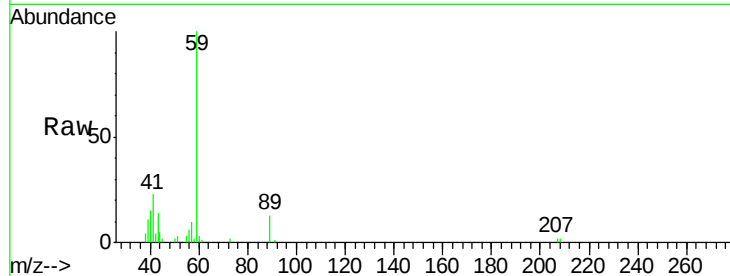
Tert butyl alcohol
 Concen: 236.981 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.0	10.4

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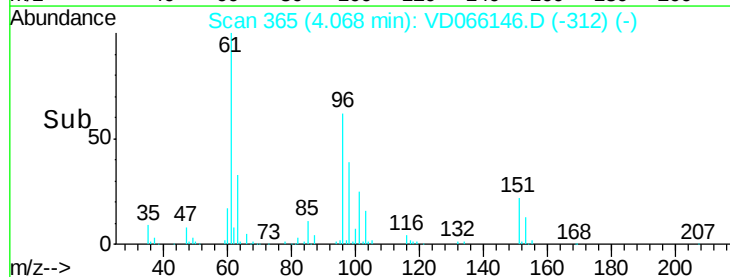
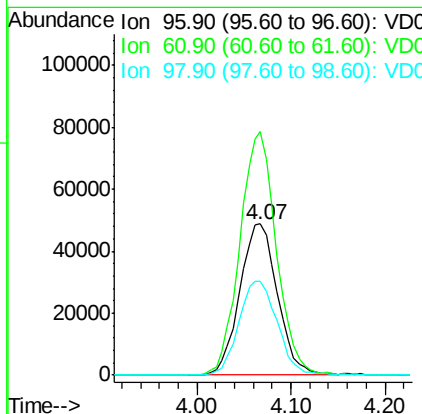
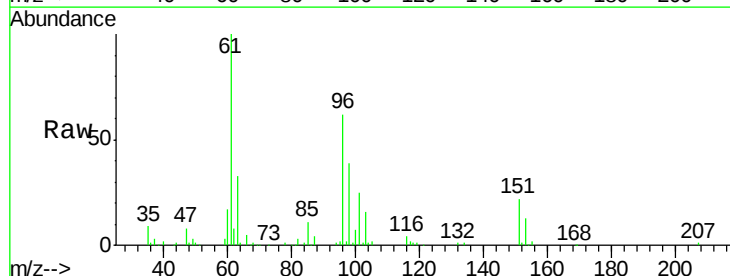
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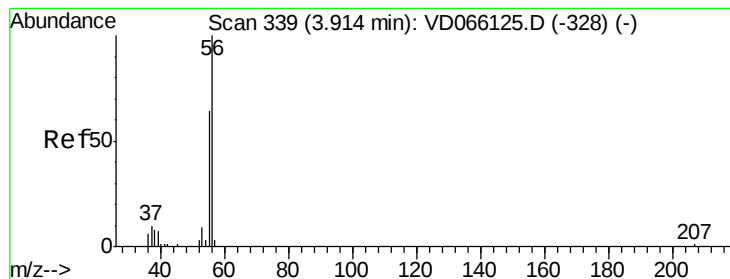


#12

1,1-Dichloroethene
 Concen: 48.902 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	121.6	182.4
98	62.3	52.0	78.0





#13

Acrolein

Concen: 209.702 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46542

Ion Ratio Lower Upper

56 100

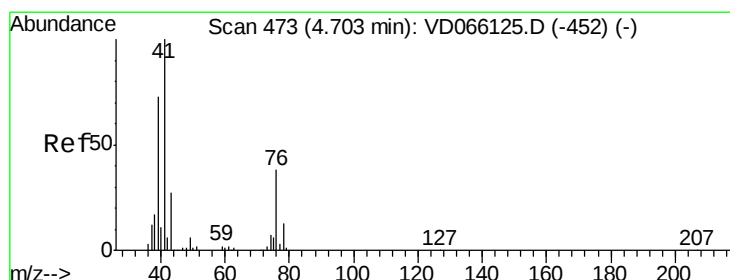
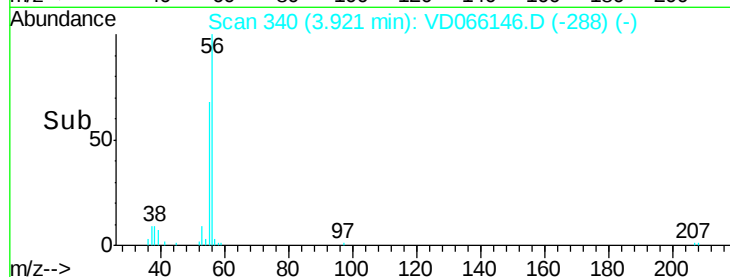
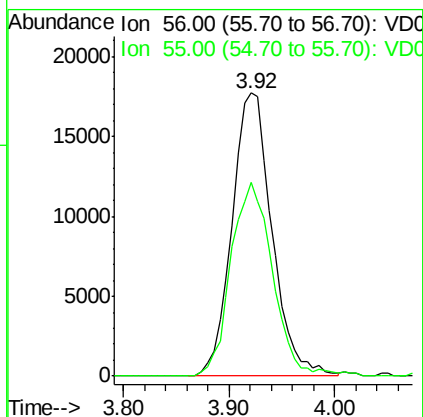
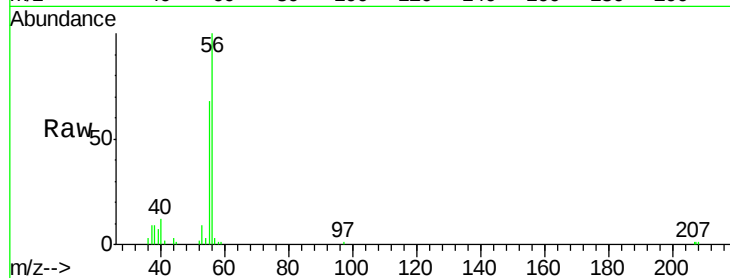
55 70.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 55.011 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

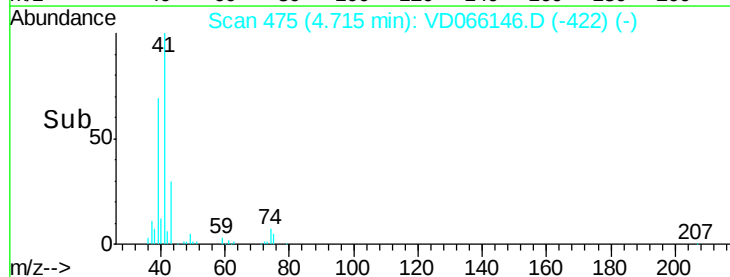
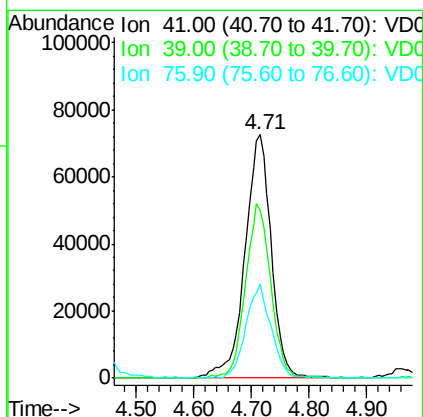
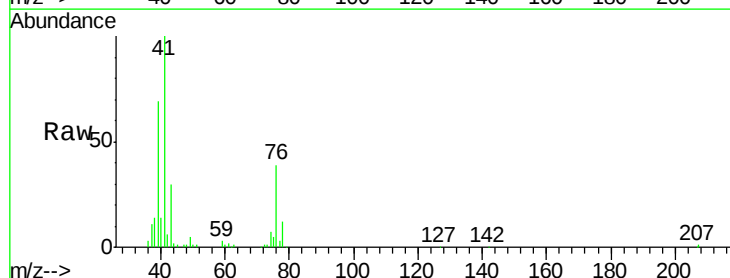
Tgt Ion: 41 Resp: 230674

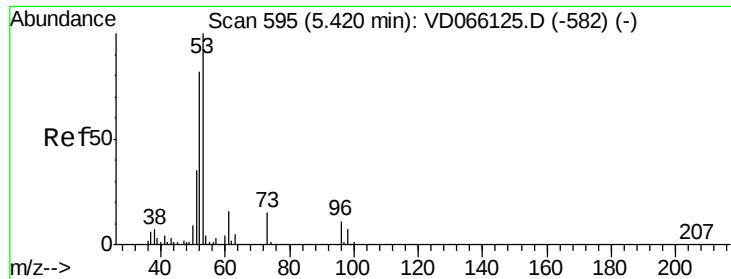
Ion Ratio Lower Upper

41 100

39 68.6 57.4 86.0

76 36.6 30.1 45.1





#15

Acrylonitrile

Concen: 272.045 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

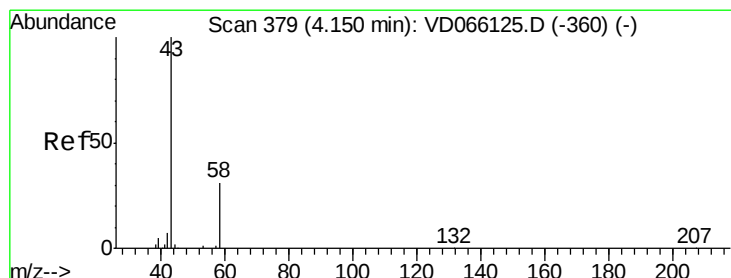
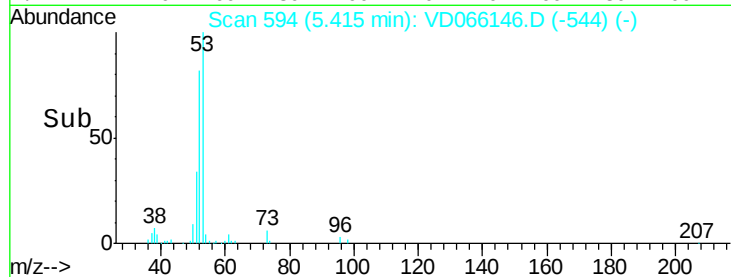
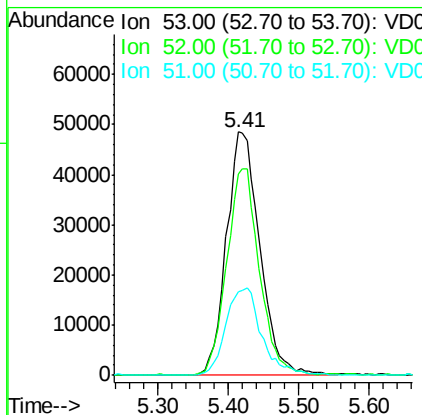
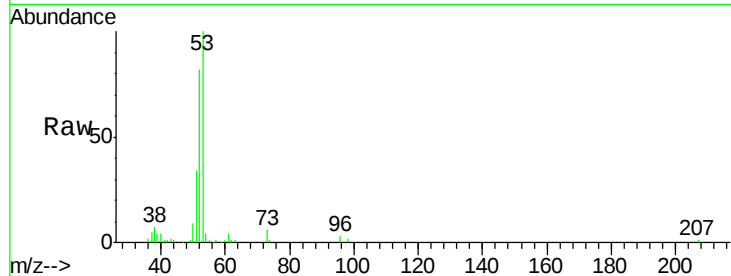
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	159919
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.1	99.1
51	38.2	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 227.541 ug/l

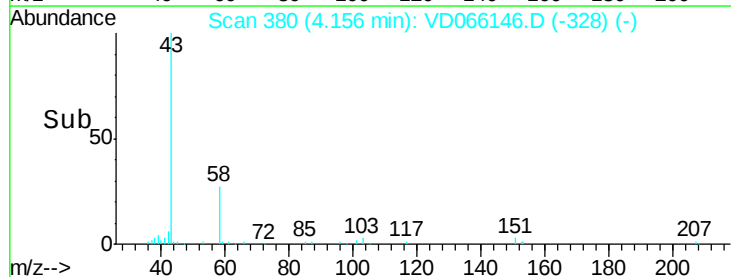
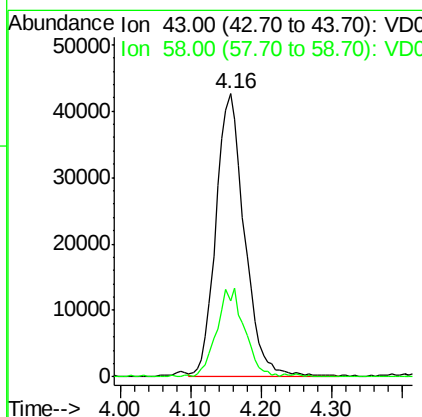
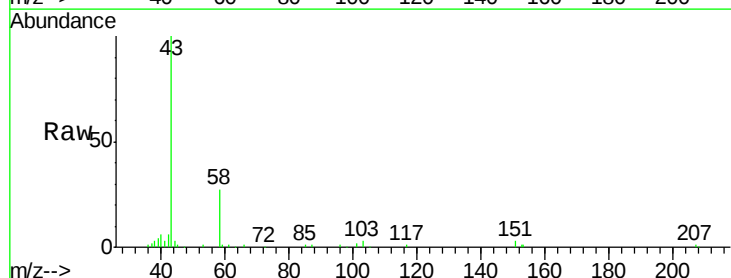
RT: 4.16 min Scan# 380

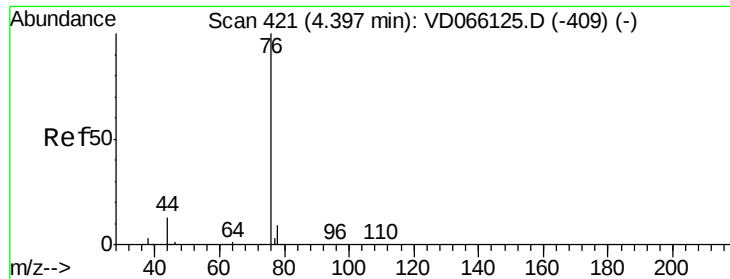
Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Tgt Ion:	43	Resp:	120383
Ion	Ratio	Lower	Upper
43	100		
58	27.1	24.7	37.1





#17

Carbon Disulfide

Concen: 49.426 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 434977

Ion Ratio Lower Upper

76 100

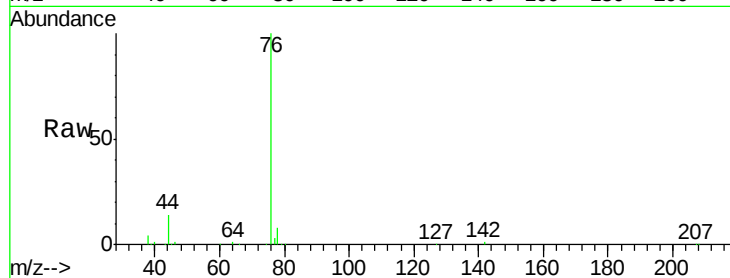
78 8.5 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

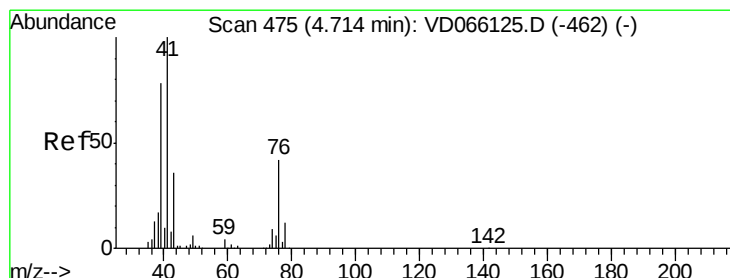
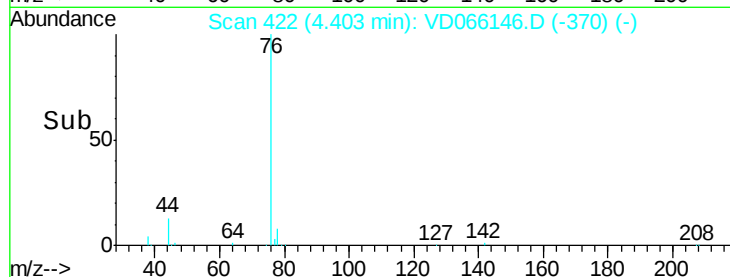
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.370 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066146.D

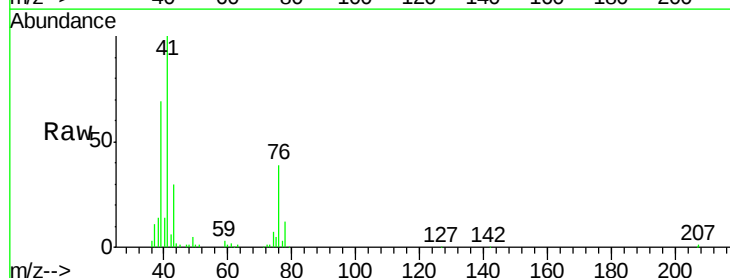
Acq: 06 Aug 2020 20:35

Tgt Ion: 43 Resp: 70376

Ion Ratio Lower Upper

43 100

74 23.7 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

25000

20000

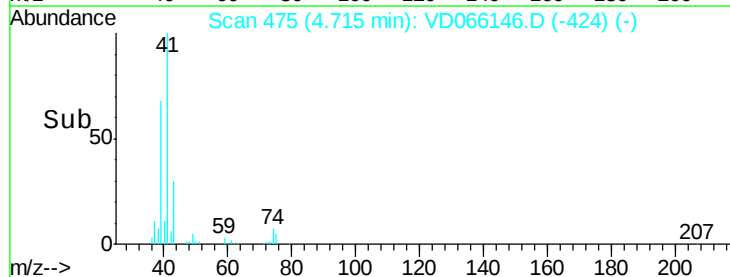
15000

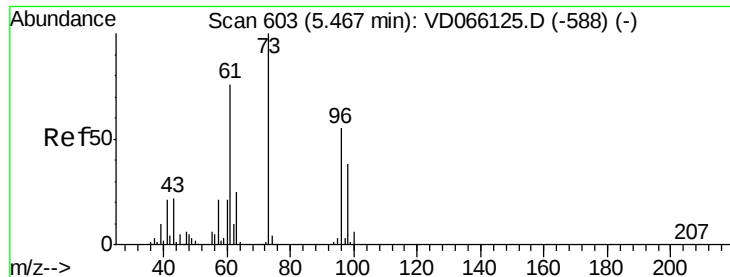
10000

5000

0

Time-->





#19

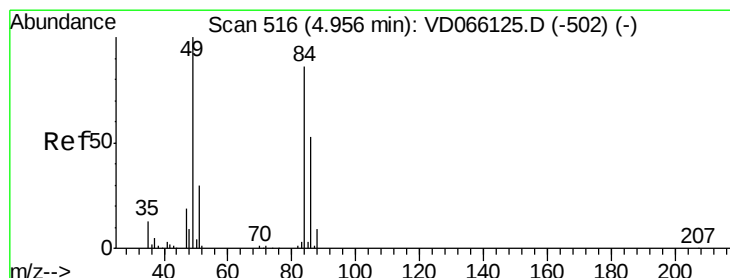
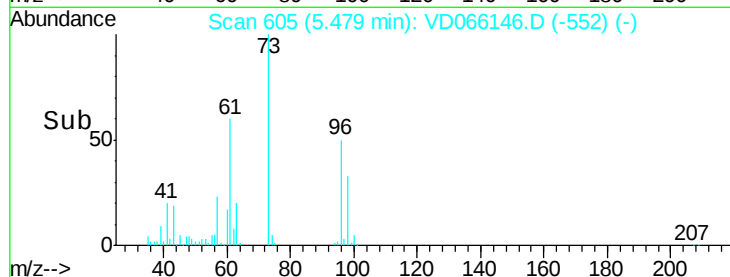
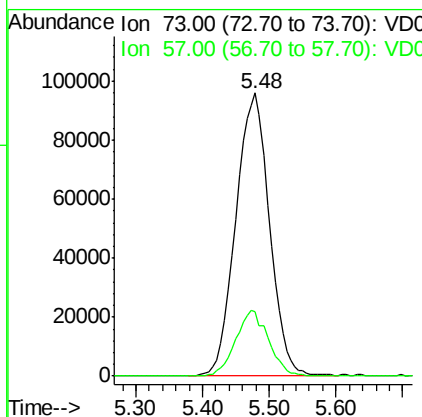
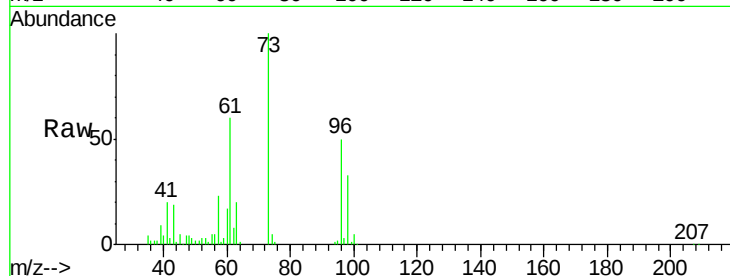
Methyl tert-butyl Ether
 Concen: 52.811 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.1	25.7

Manual Integrations
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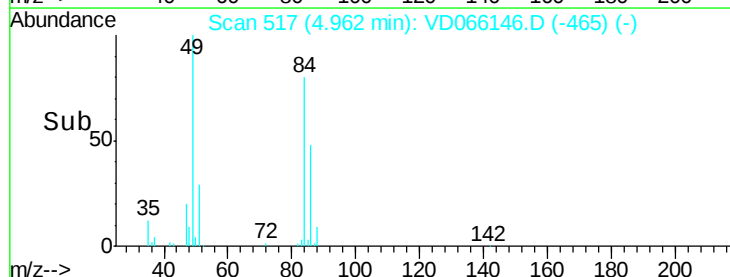
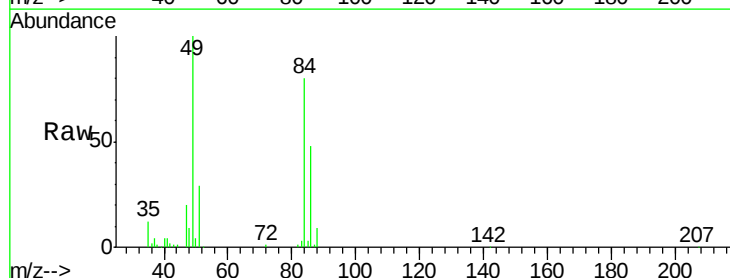
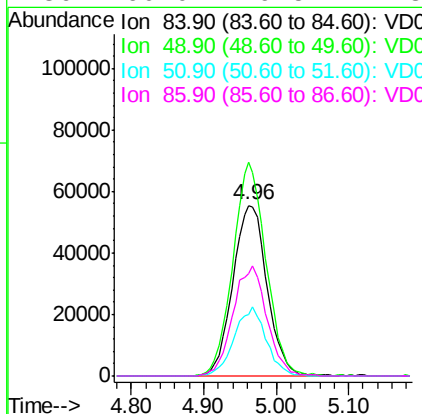
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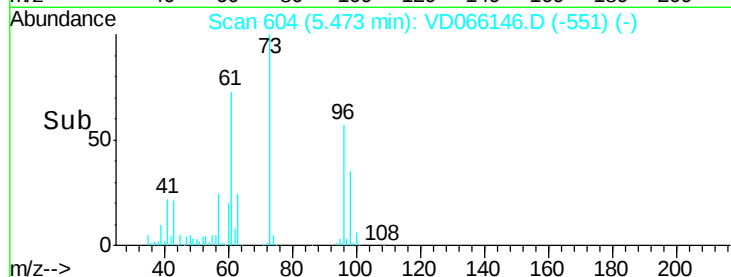
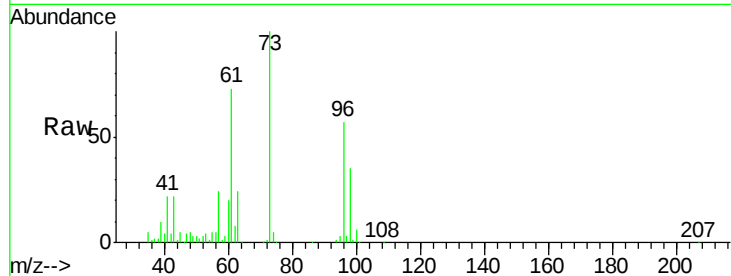
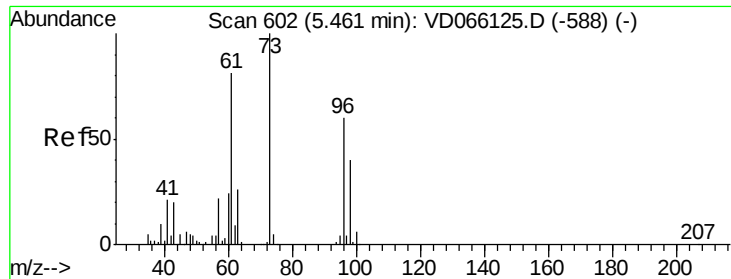


#20

Methylene Chloride
 Concen: 60.878 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	93.5	140.3
51	35.9	28.2	42.4
86	60.0	49.5	74.3





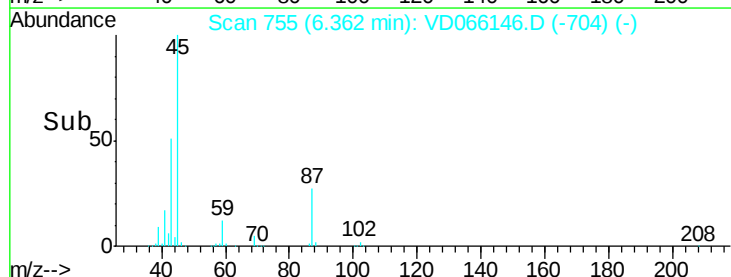
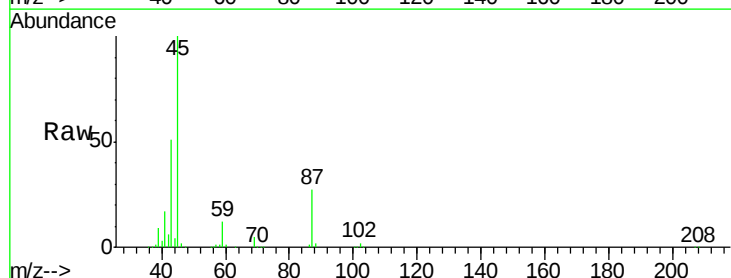
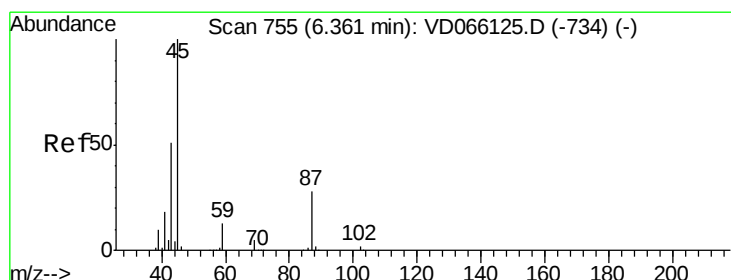
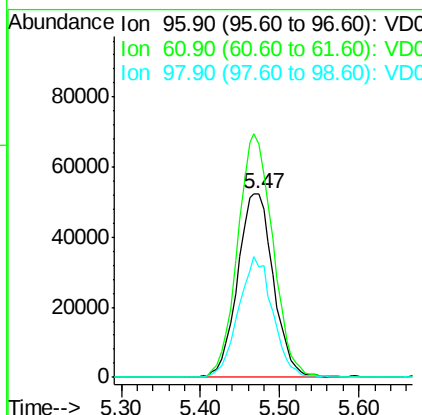
#21
trans-1,2-Dichloroethene
Concen: 51.602 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	106.9	160.3
98	60.5	53.4	80.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

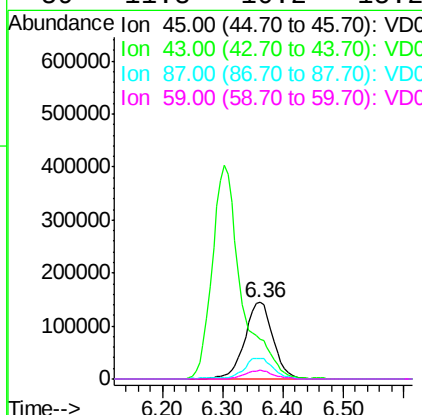
Manual Integrations
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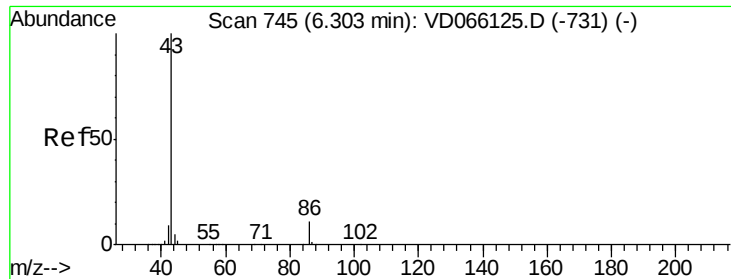
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#22
Diisopropyl ether
Concen: 56.782 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	50.6	41.2	61.8
87	27.0	22.8	34.2
59	11.8	10.2	15.2





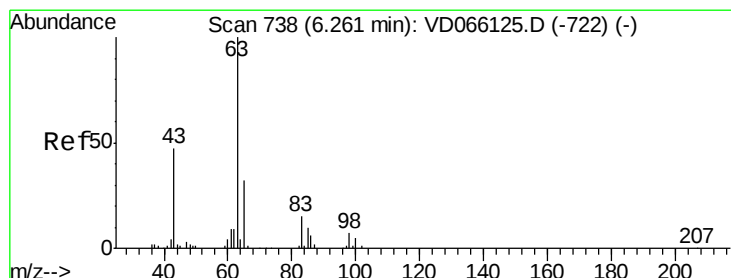
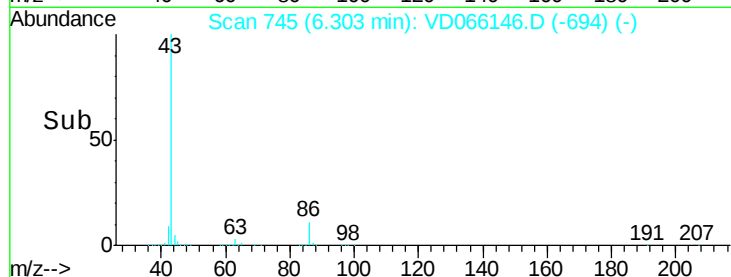
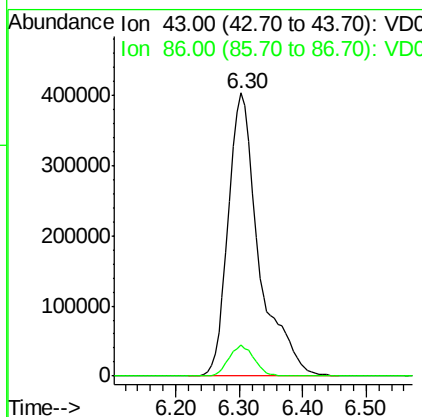
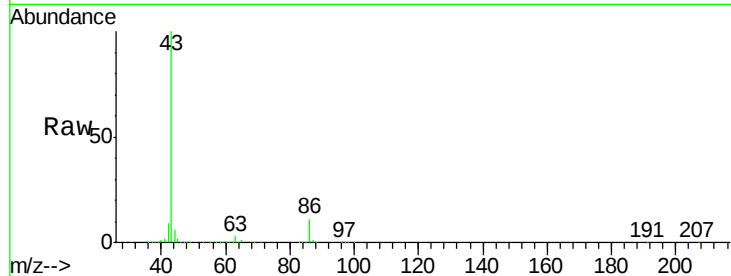
#23
 Vinyl Acetate
 Concen: 277.893 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1349977
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.1 13.7

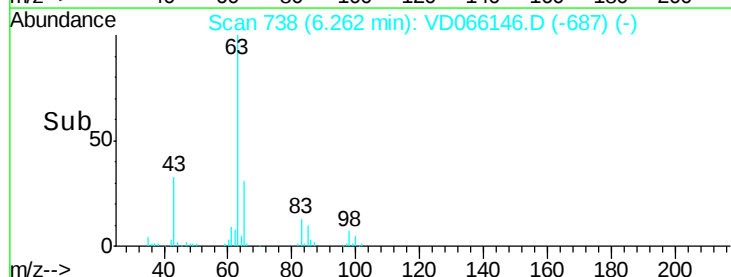
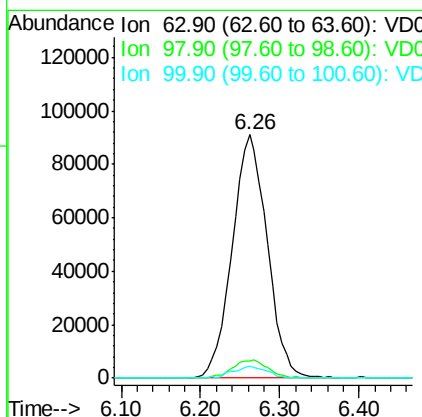
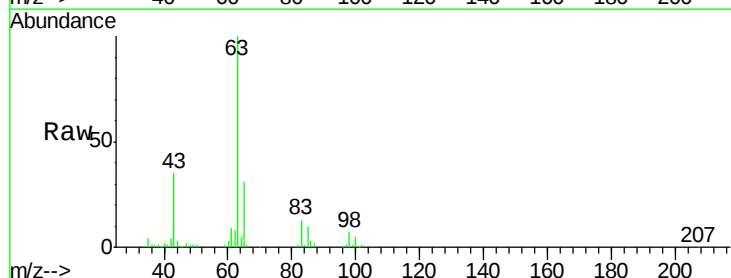
Manual Integrations
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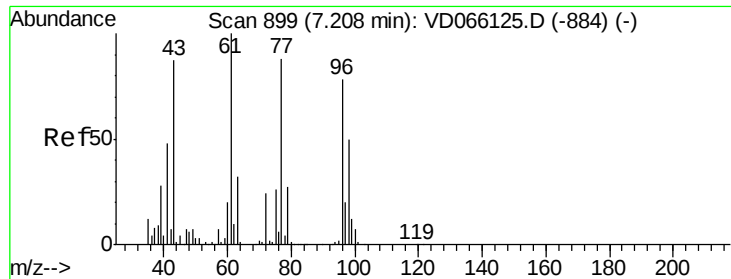
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#24
 1,1-Dichloroethane
 Concen: 54.263 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion: 63 Resp: 278462
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.5
 100 4.9 2.4 7.2





#25

2-Butanone

Concen: 251.700 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 195860

Ion Ratio Lower Upper

43 100

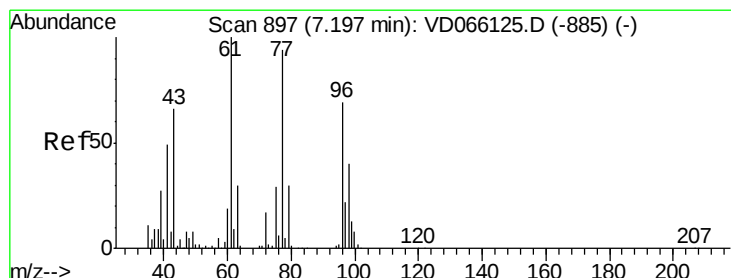
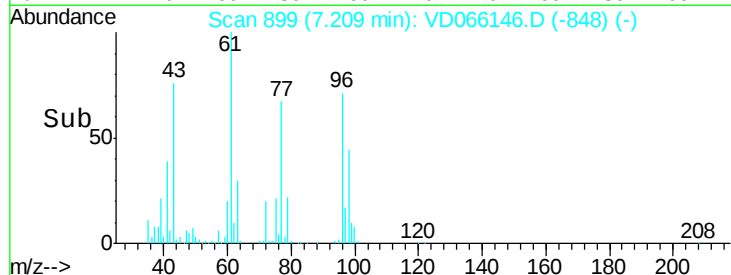
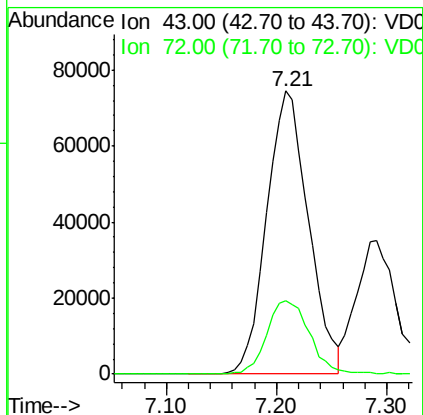
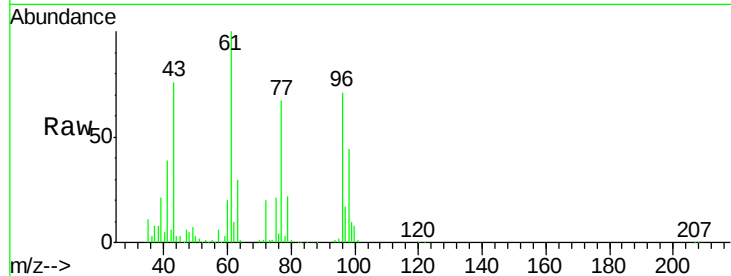
72 25.8 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.778 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066146.D

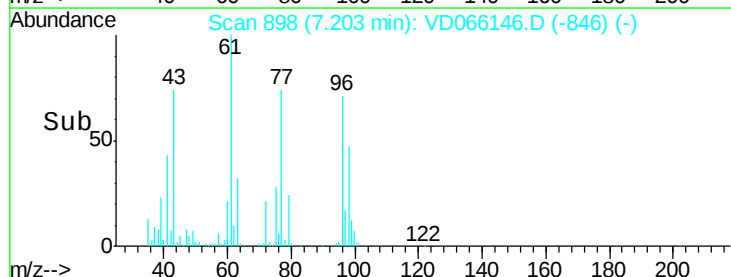
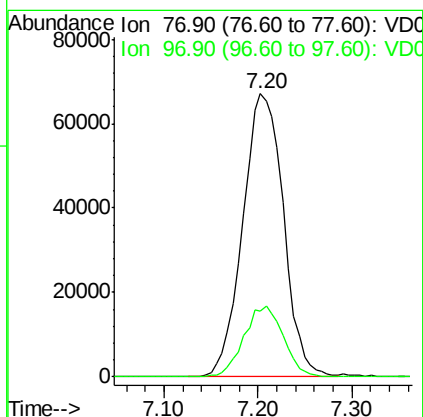
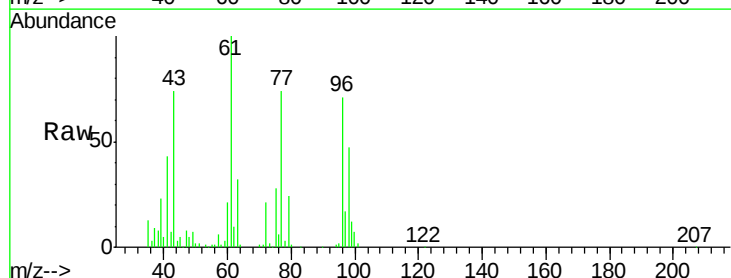
Acq: 06 Aug 2020 20:35

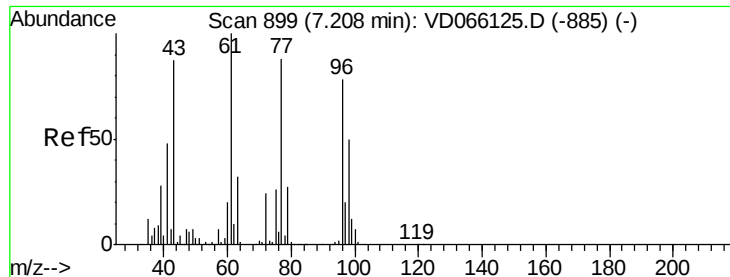
Tgt Ion: 77 Resp: 201356

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

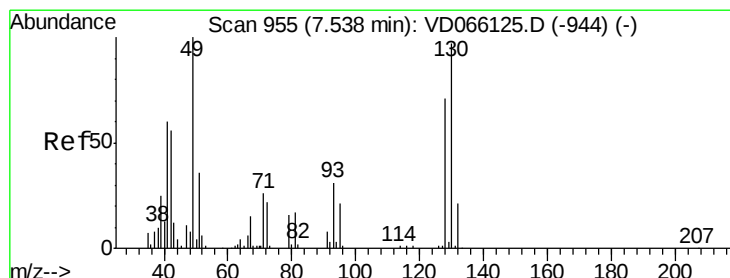
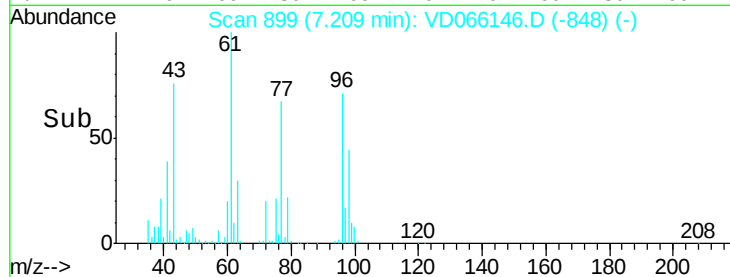
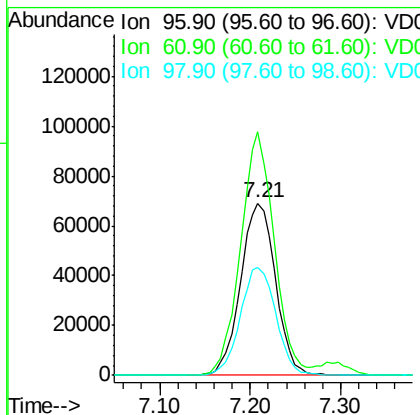
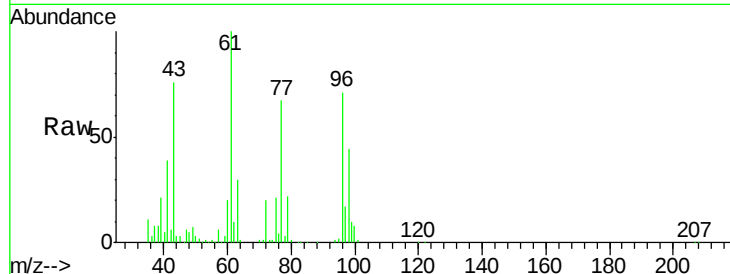
cis-1,2-Dichloroethene
Concen: 55.567 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		185320		
61	136.1	0.0	281.6		
98	64.0	0.0	130.8		

Manual Integrations
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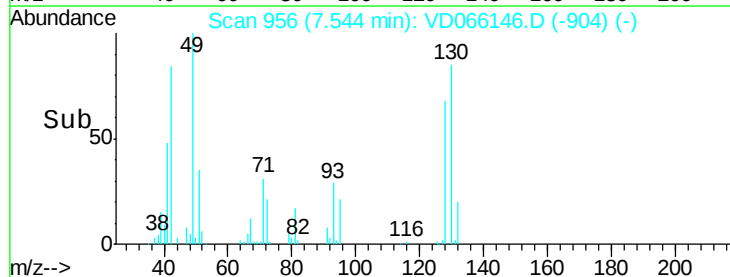
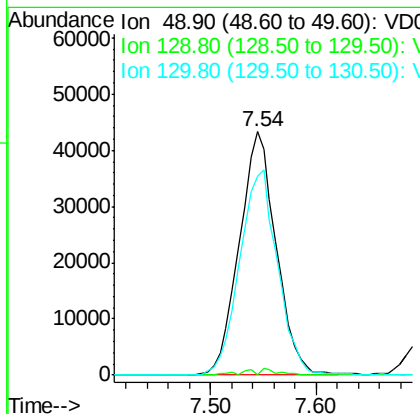
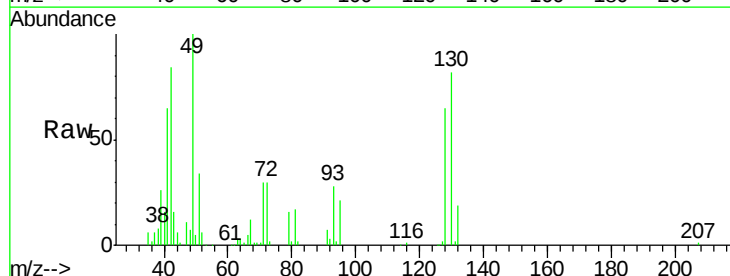
MMDadoda
8/7/2020 12:48:38 PM

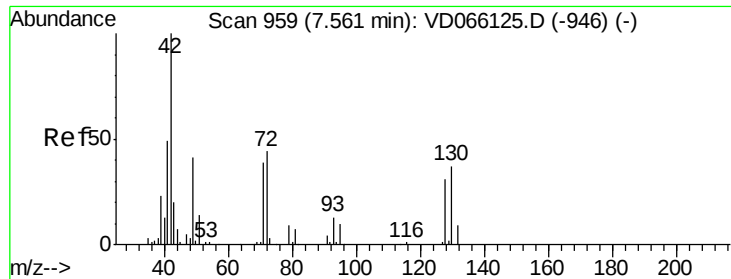


#28

Bromochloromethane
Concen: 58.201 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		104902		
129	1.2	0.0	6.0		
130	86.9	73.8	110.6		





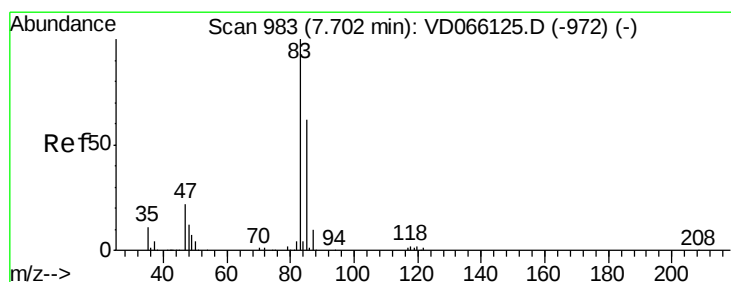
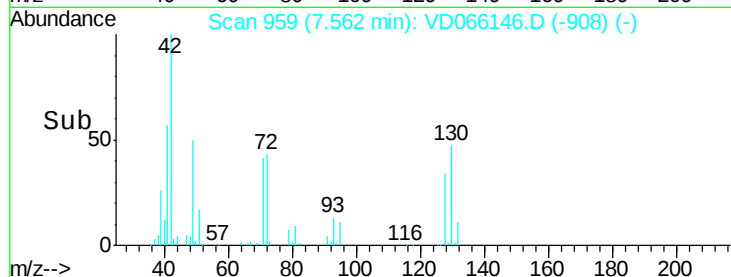
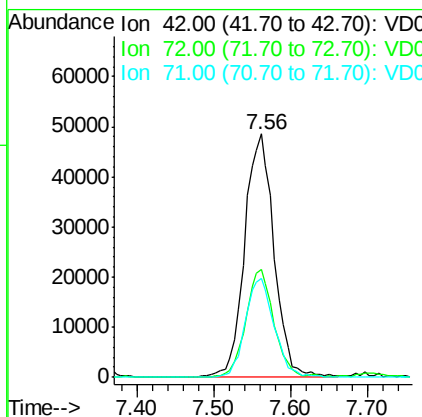
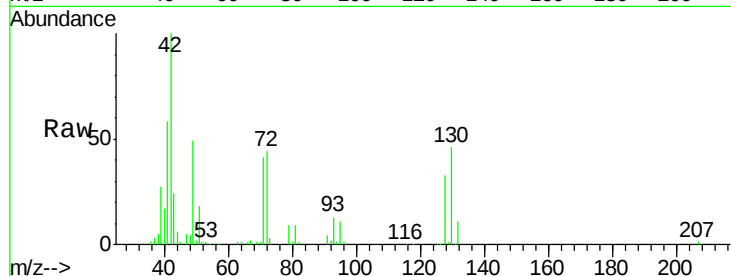
#29
Tetrahydrofuran
Concen: 270.281 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.8	52.2
71	39.8	33.5	50.3

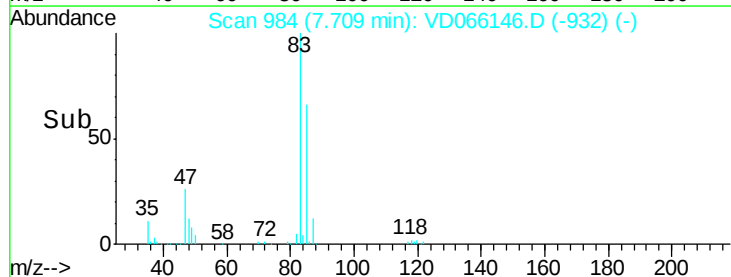
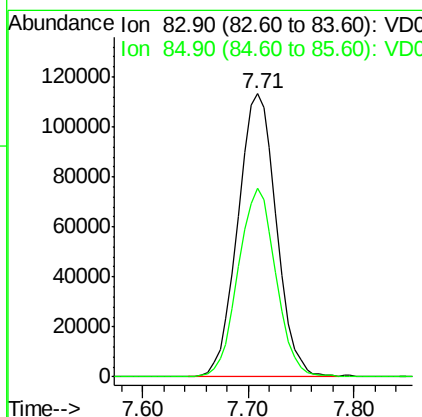
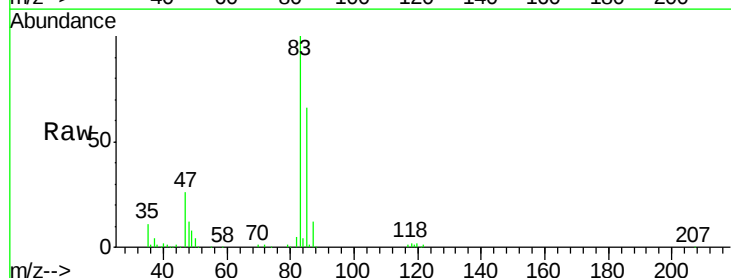
Manual Integrations
APPROVED

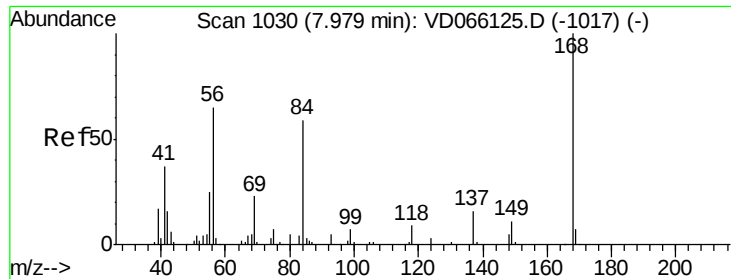
MMDadoda
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#30
Chloroform
Concen: 53.114 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	49.5	74.3





#31

Cyclohexane

Concen: 46.552 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 227402

Ion Ratio Lower Upper

56 100

69 33.2 28.8 43.2

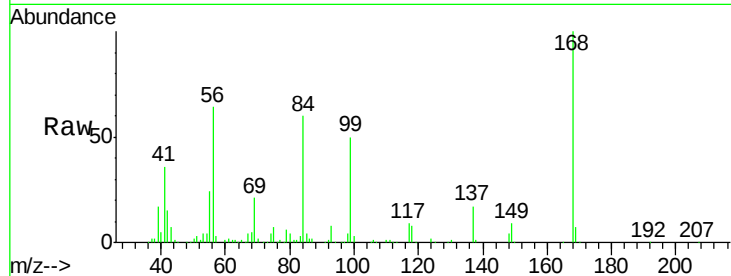
84 91.3 73.0 109.6

Manual Integrations

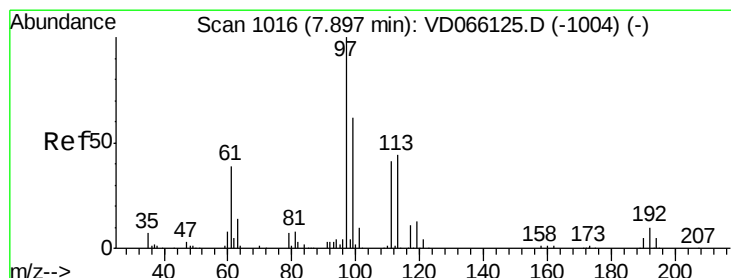
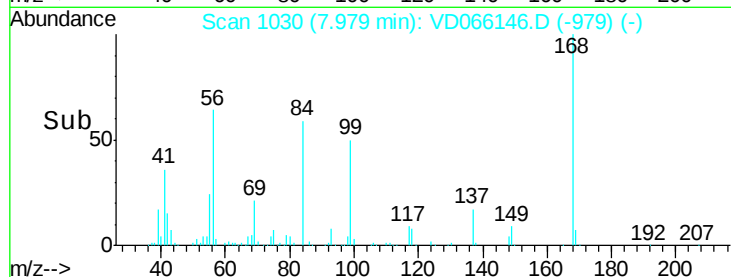
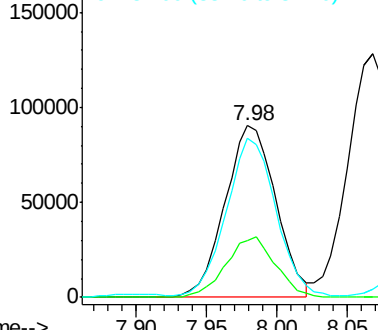
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.627 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

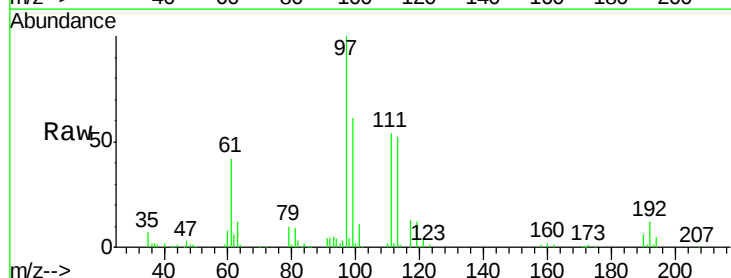
Tgt Ion: 97 Resp: 255783

Ion Ratio Lower Upper

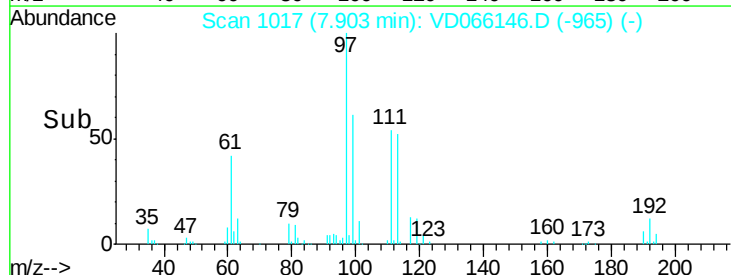
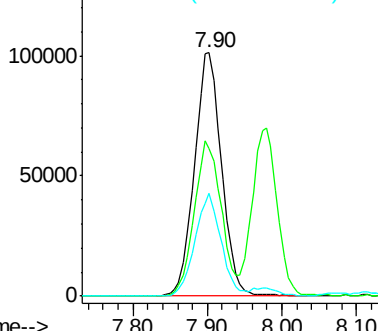
97 100

99 64.5 51.1 76.7

61 40.8 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





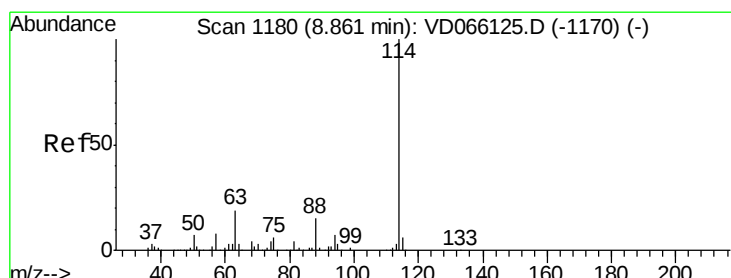
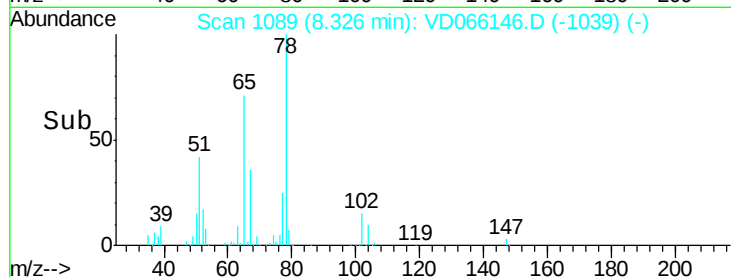
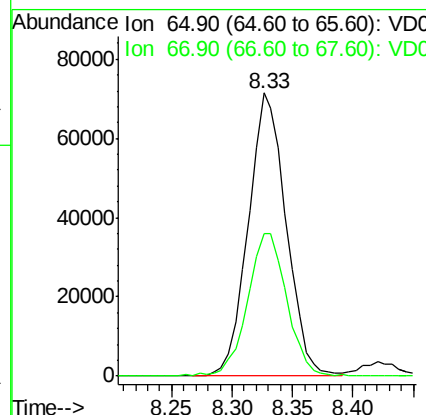
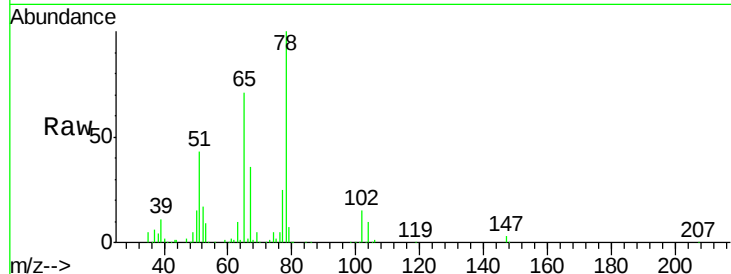
#33
 1,2-Dichloroethane-d4
 Concen: 55.885 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	155824		
67	52.5	0.0	104.6	

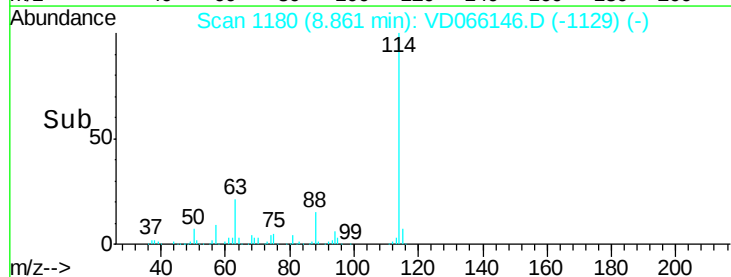
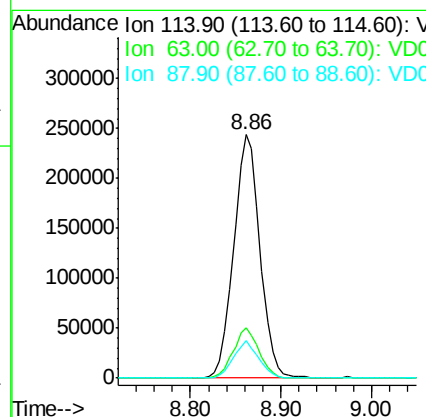
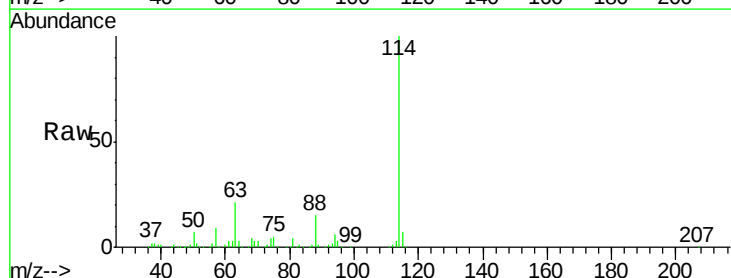
Manual Integrations
 APPROVED

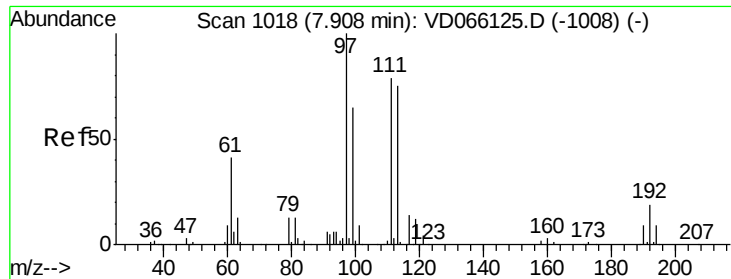
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	490759		
63	20.7	0.0	38.6	
88	15.2	0.0	30.0	





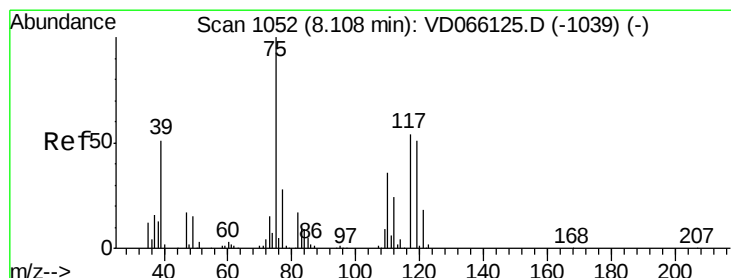
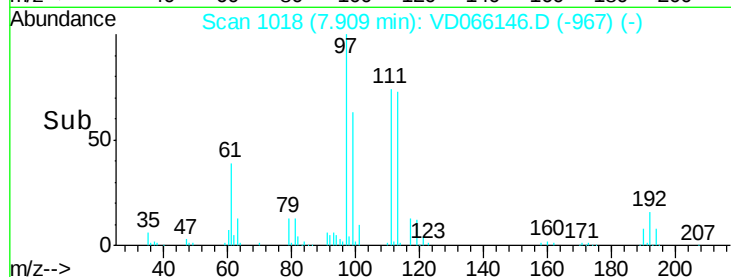
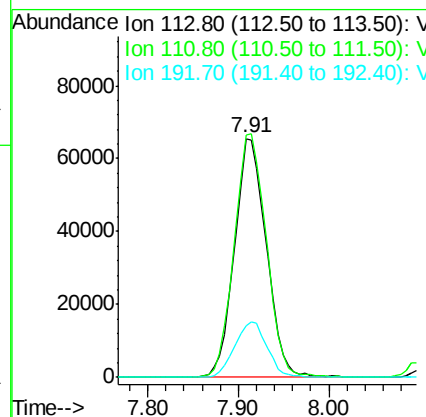
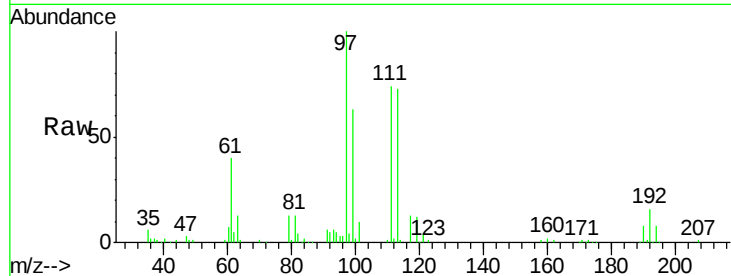
#35
 Dibromofluoromethane
 Concen: 51.452 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159961		
111	103.3	80.7	121.1	
192	23.4	18.4	27.6	

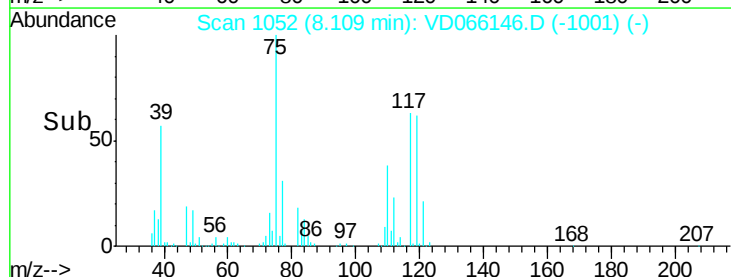
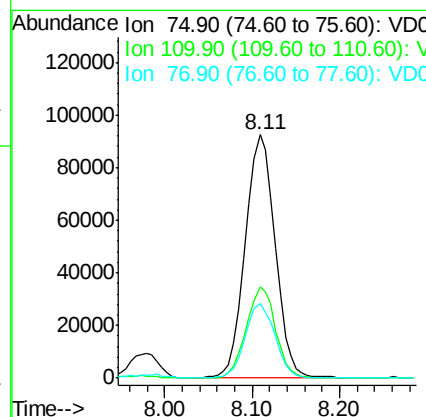
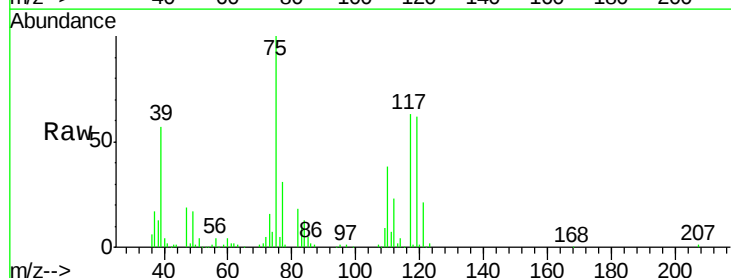
Manual Integrations
 APPROVED

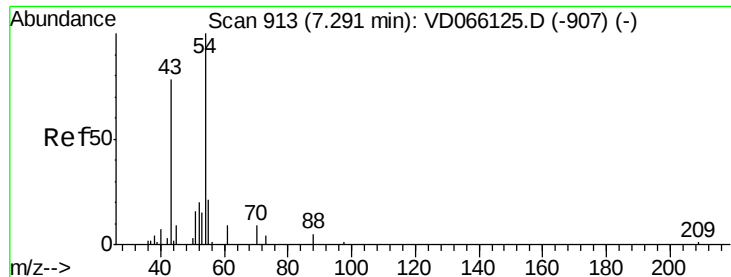
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 8/7/2020 12:48:38 PM



#36
 1,1-Dichloropropene
 Concen: 46.314 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213582		
110	37.0	18.8	56.3	
77	30.9	24.2	36.2	





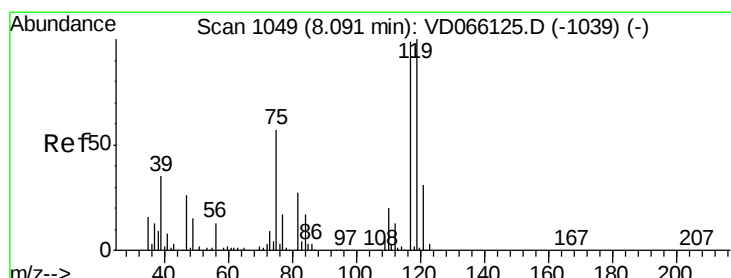
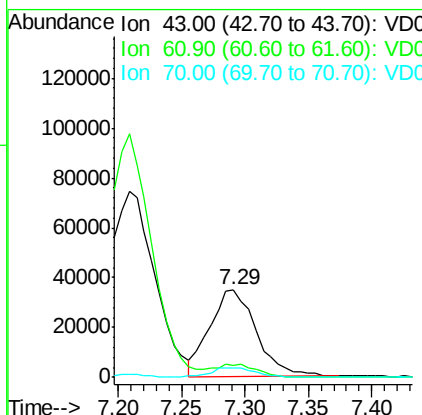
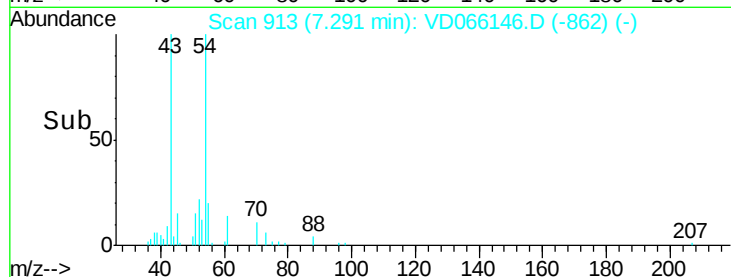
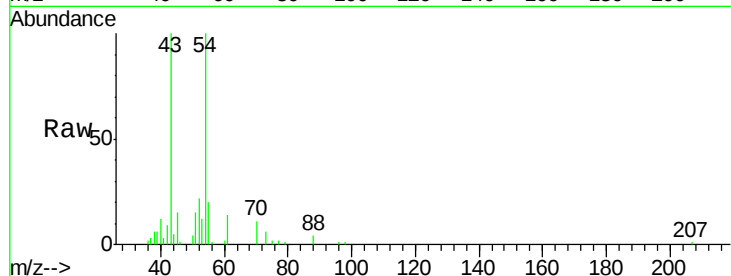
#37
Ethyl Acetate
Concen: 48.371 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	12.0	18.0
70	10.8	9.7	14.5

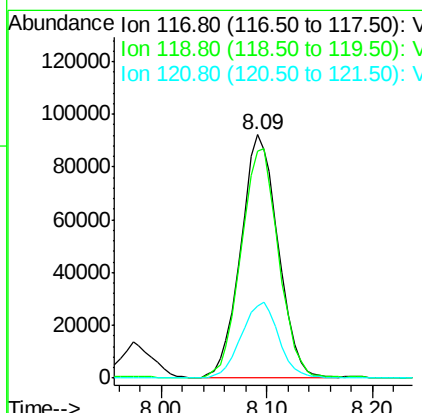
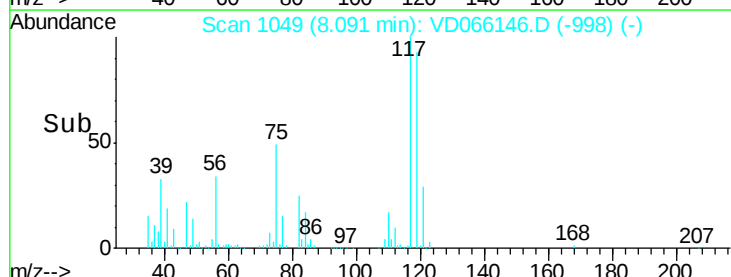
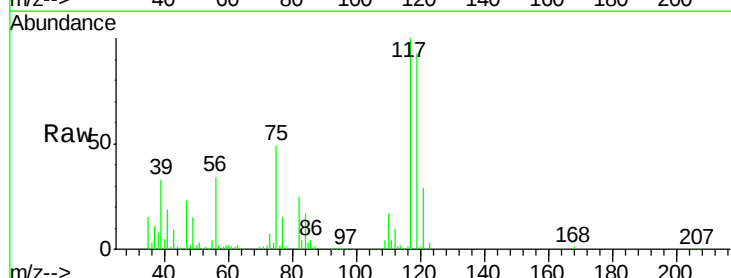
Manual Integrations
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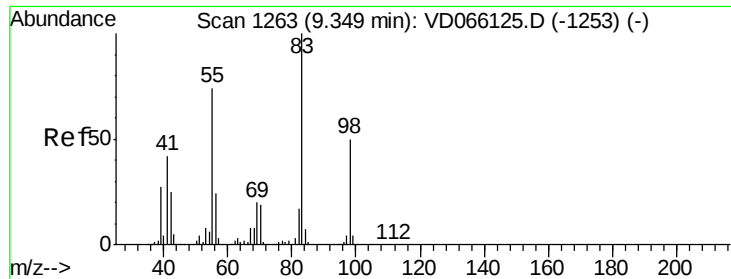
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#38
Carbon Tetrachloride
Concen: 43.881 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	81.0	121.4
121	29.4	24.8	37.2





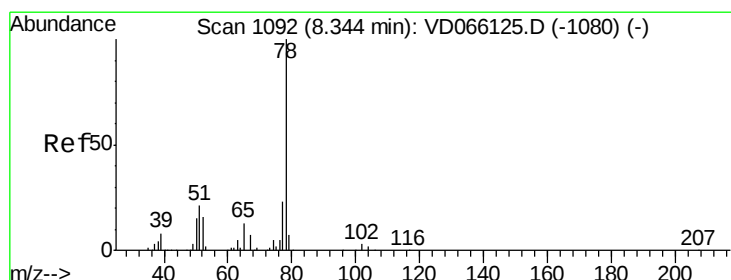
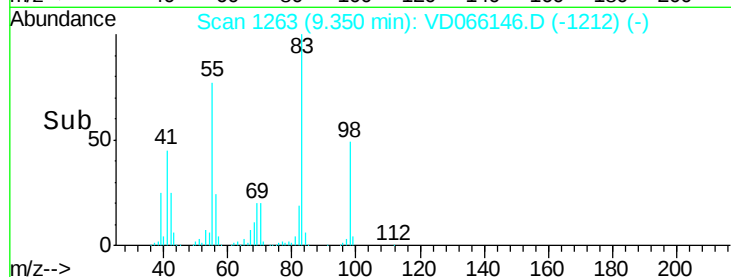
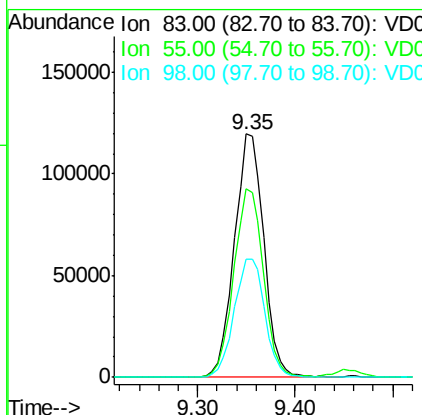
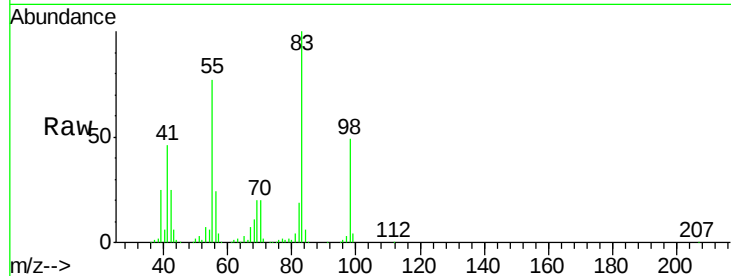
#39
Methvlcvclohexane
Concen: 45.201 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	251982
Ion Ratio	Lower	Upper	
83	100		
55	77.5	59.2	88.8
98	48.8	39.8	59.6

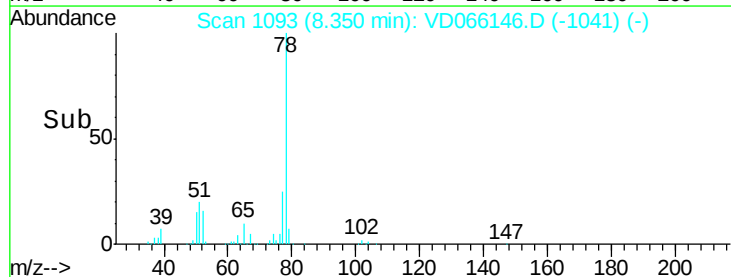
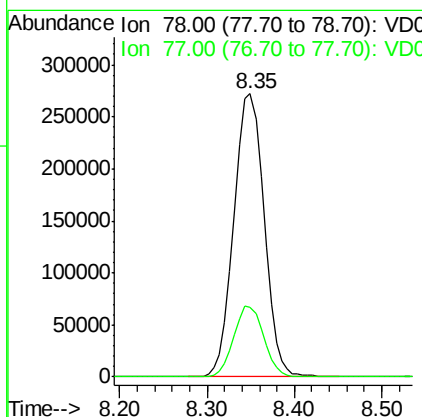
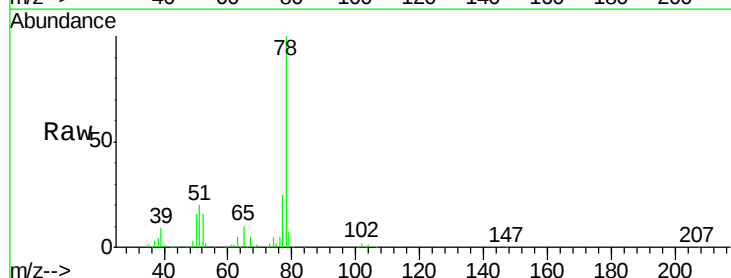
Manual Integrations
APPROVED

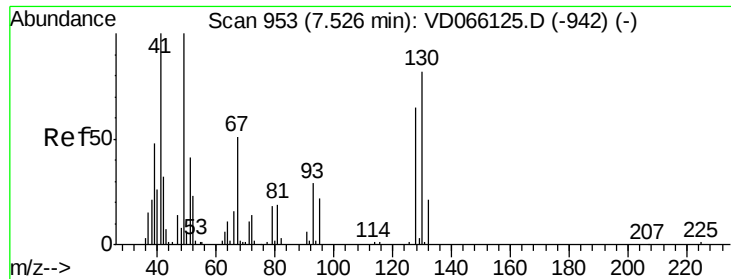
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#40
Benzene
Concen: 50.113 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	78	Resp	641104
Ion Ratio	Lower	Upper	
78	100		
77	24.6	18.6	27.8





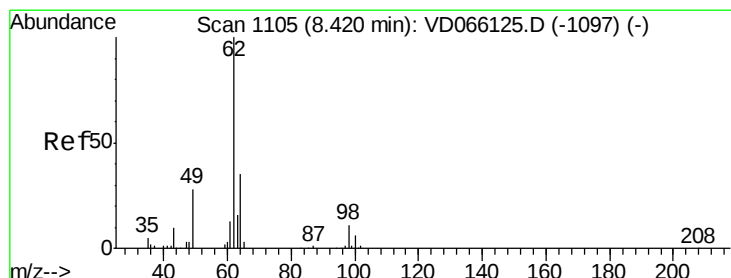
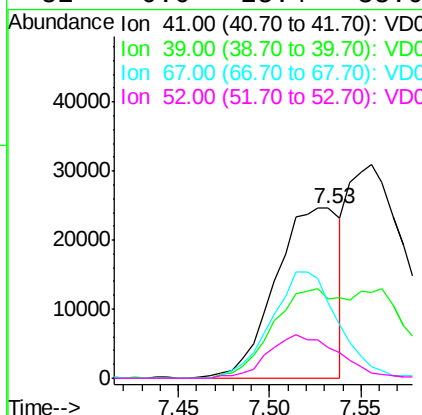
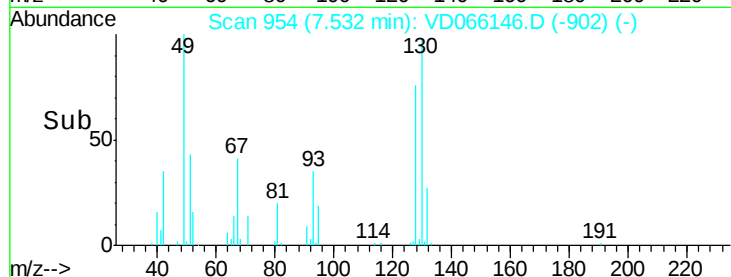
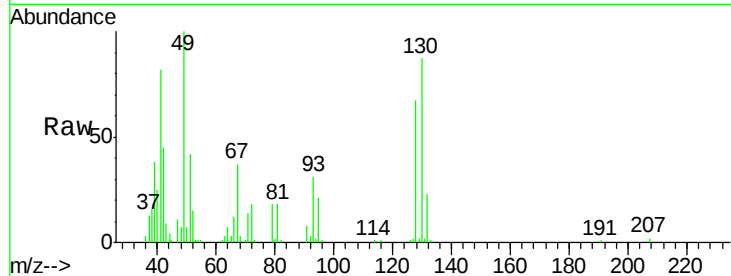
#41
Methacrylonitrile
Concen: 56.276 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	60459
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

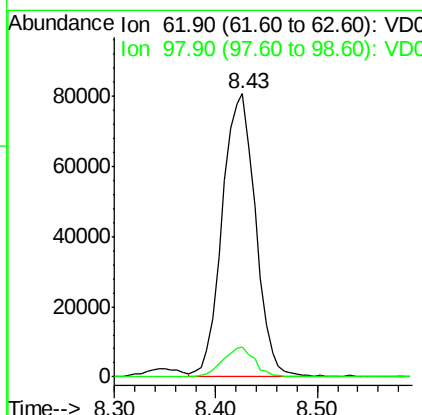
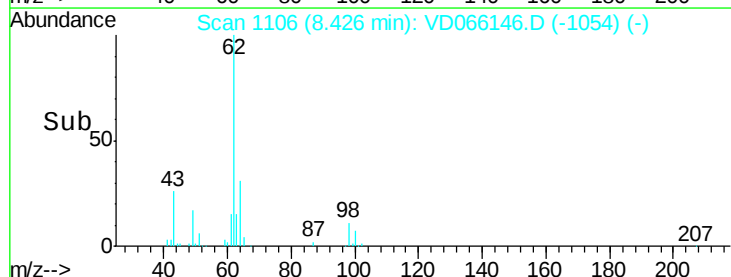
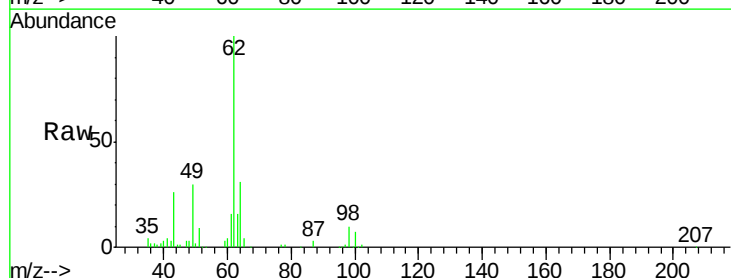
Manual Integrations
APPROVED

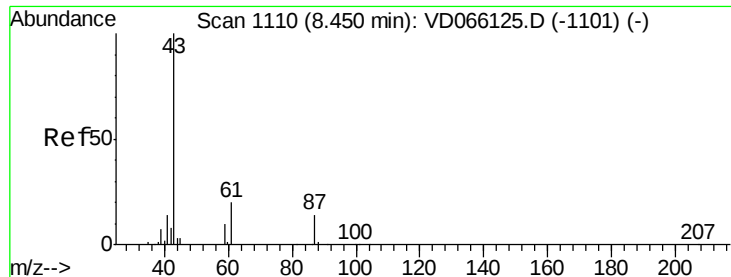
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#42
1,2-Dichloroethane
Concen: 48.772 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	62	Resp	183298
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





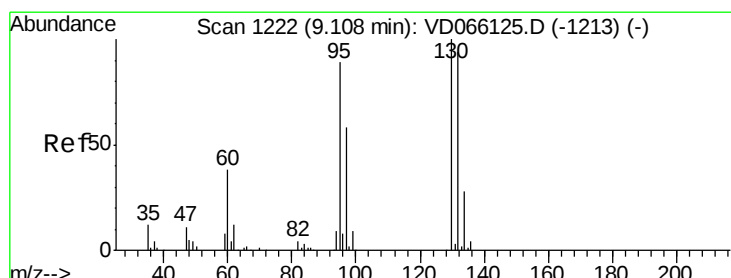
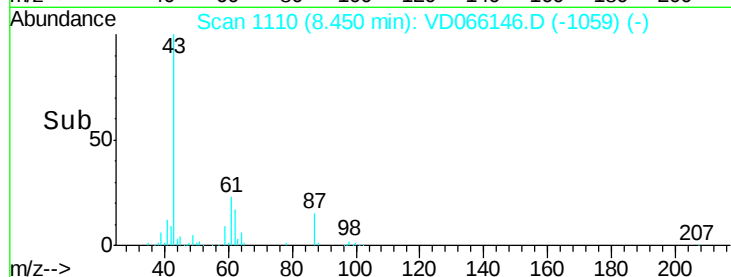
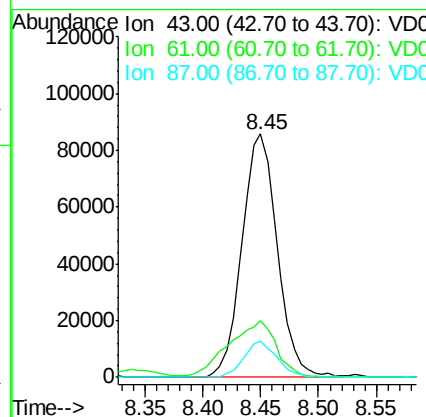
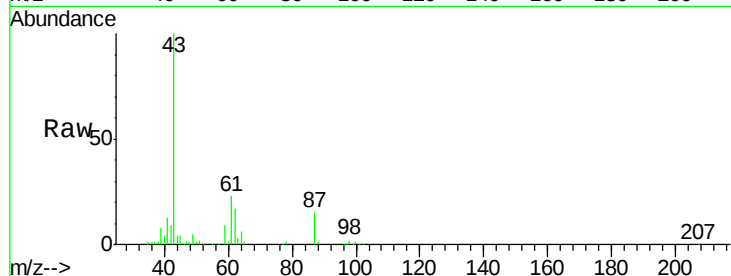
#43
Isopropyl Acetate
Concen: 50.691 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	182492		
61	30.9		25.5	38.3
87	14.1		11.2	16.8

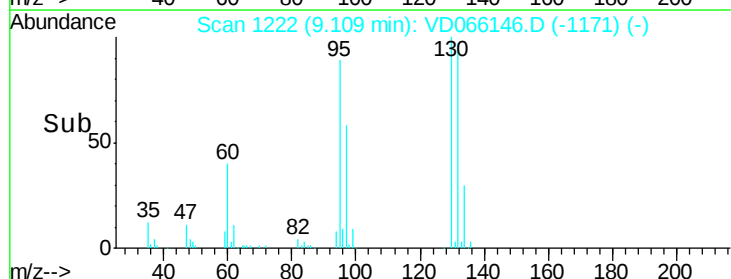
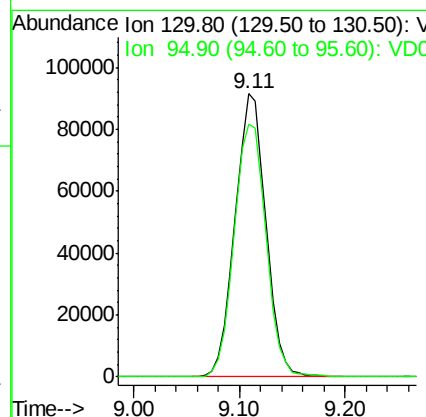
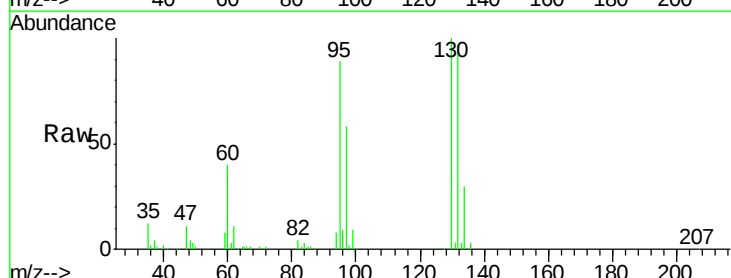
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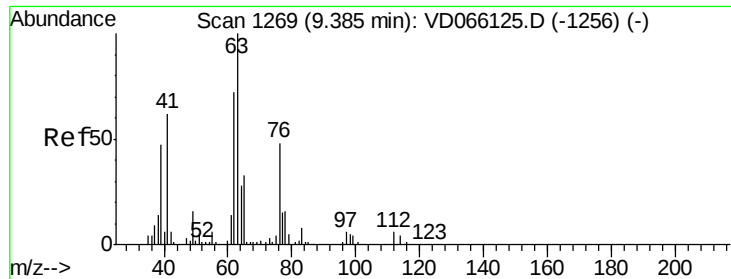
MMDadoda
8/7/2020 12:48:38 PM



#44
Trichloroethene
Concen: 47.875 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	184559		
95	89.3		0.0	178.4





#45

1,2-Dichloropropane

Concen: 51.278 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 160442

Ion Ratio Lower Upper

63 100

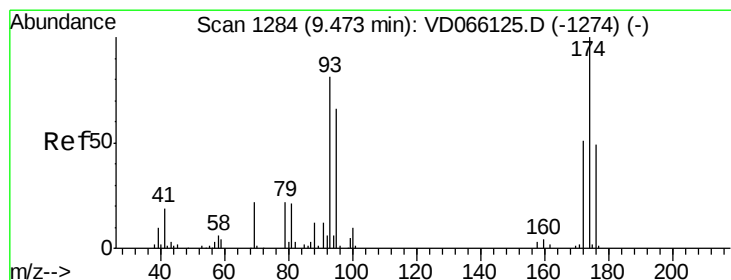
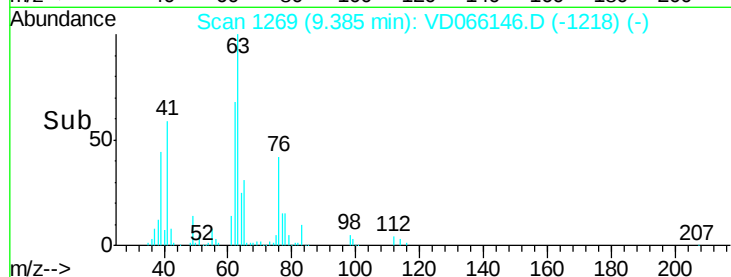
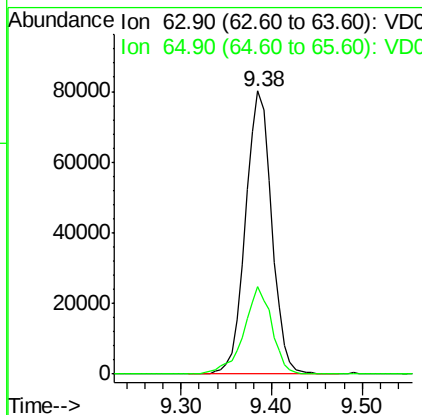
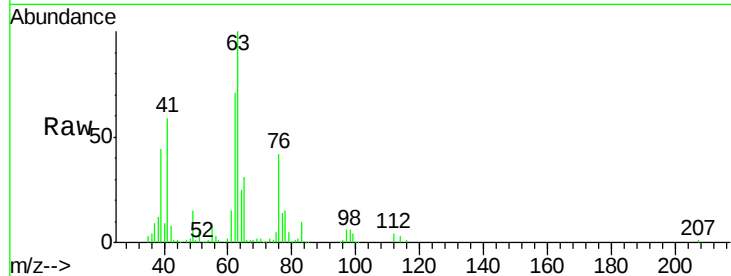
65 31.1 26.5 39.7

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#46

Dibromomethane

Concen: 49.554 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

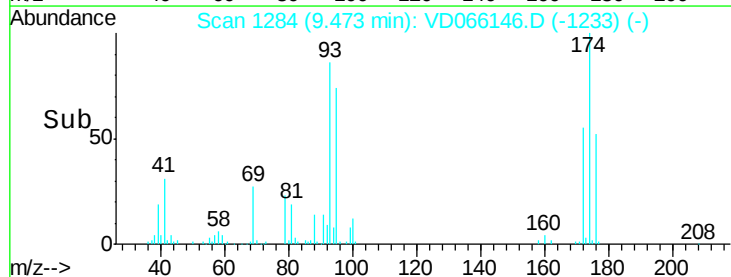
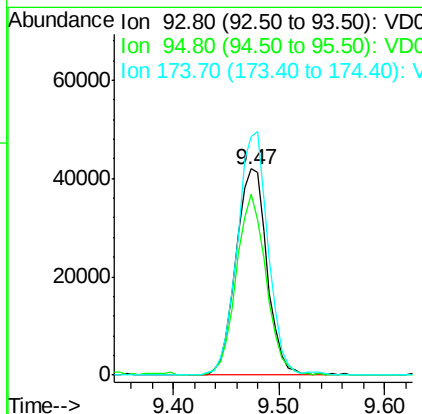
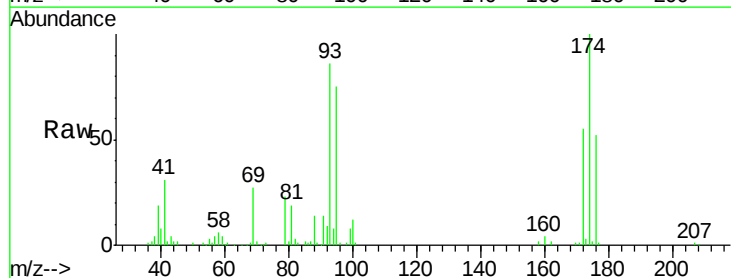
Tgt Ion: 93 Resp: 85404

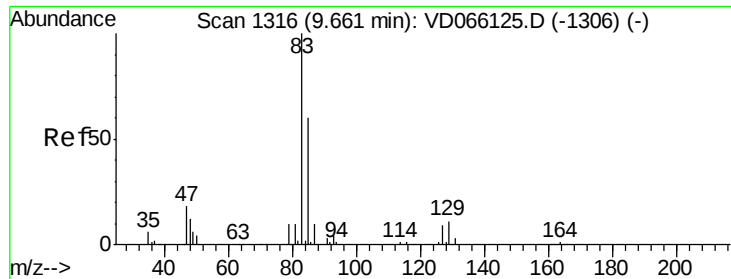
Ion Ratio Lower Upper

93 100

95 84.2 65.8 98.6

174 116.1 92.8 139.2





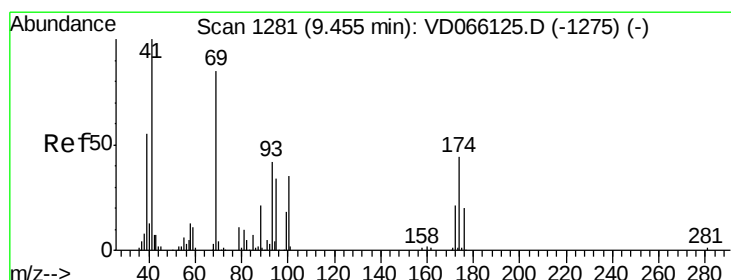
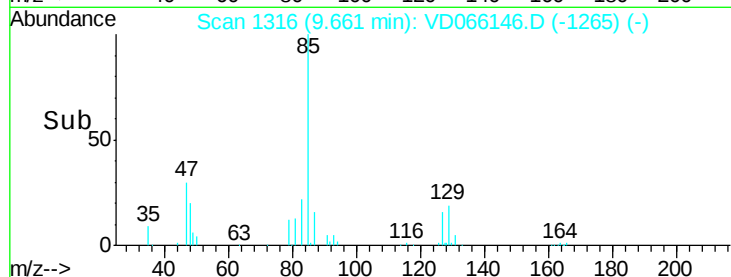
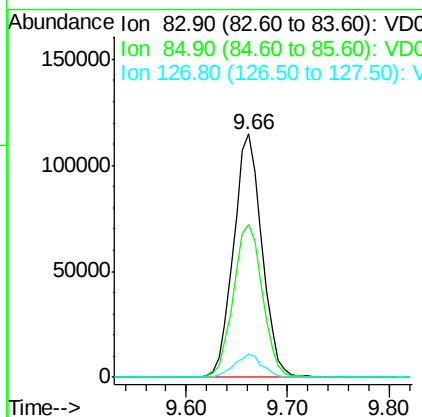
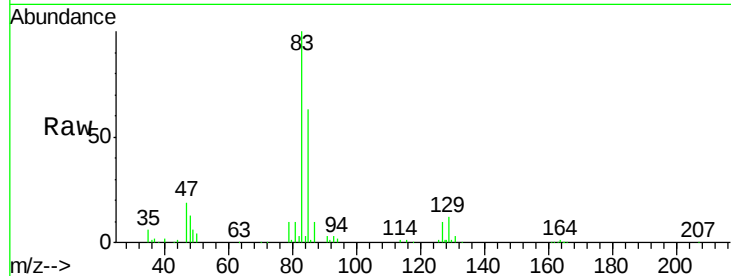
#47
Bromodichloromethane
Concen: 49.072 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	223523
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	48.2	72.4
127	9.8	7.3	10.9

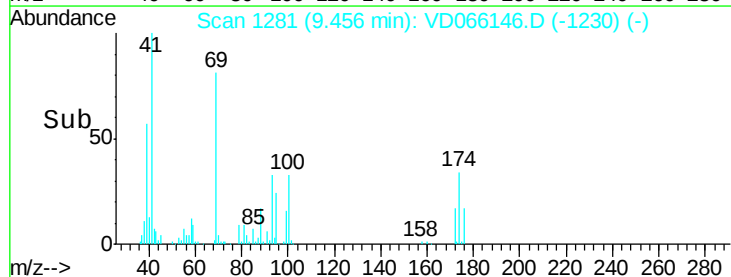
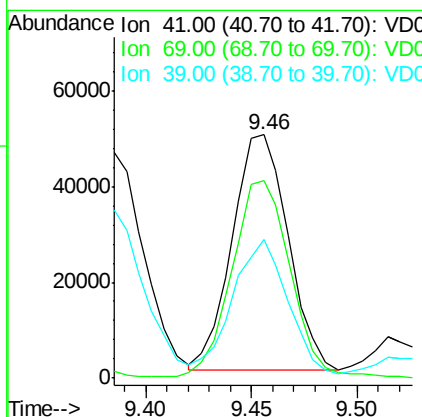
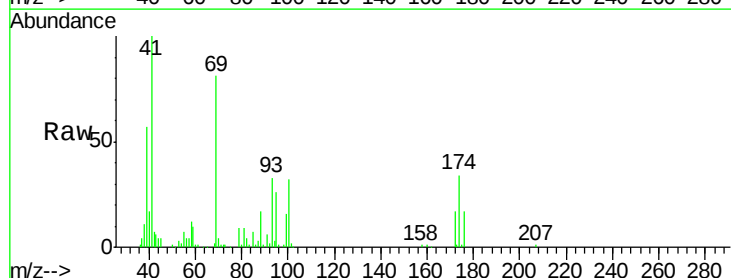
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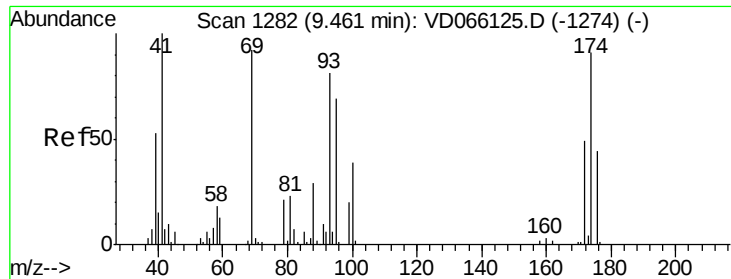
MMDadoda
8/7/2020 12:48:38 PM



#48
Methyl methacrylate
Concen: 49.183 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	41	Resp	90412
Ion Ratio	100	Lower	Upper
41	100		
69	87.2	63.9	95.9
39	55.4	42.6	64.0





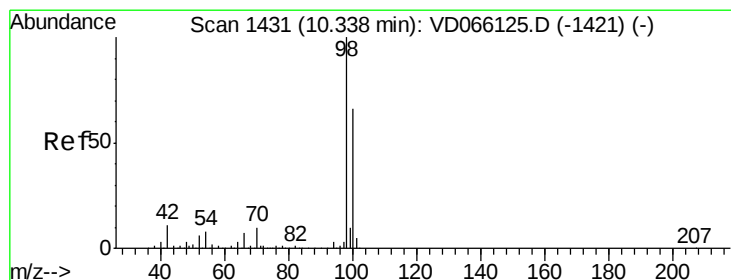
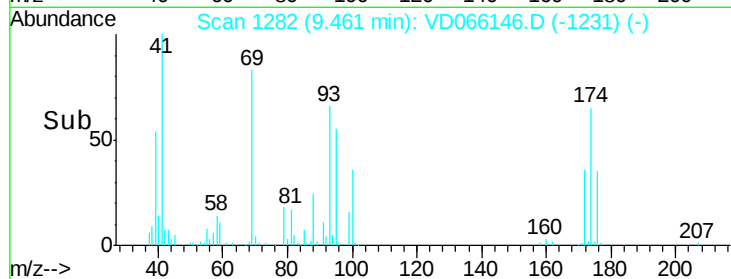
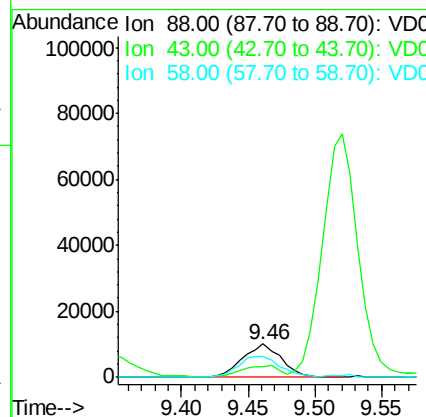
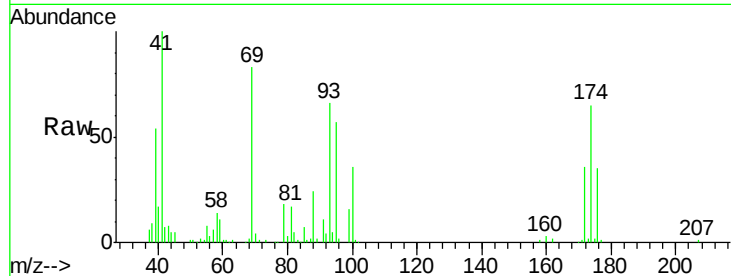
#49
1,4-Dioxane
Concen: 925.662 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	27.5	41.3
58	68.2	50.2	75.4

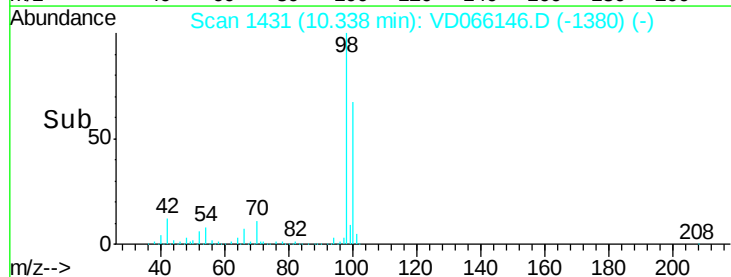
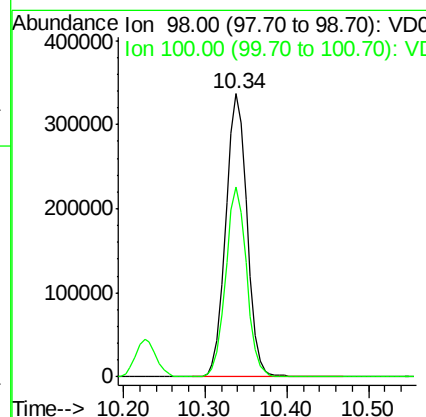
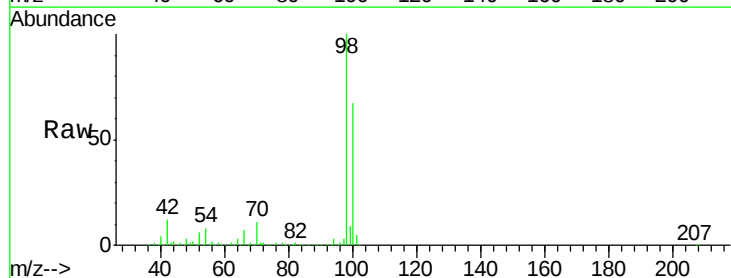
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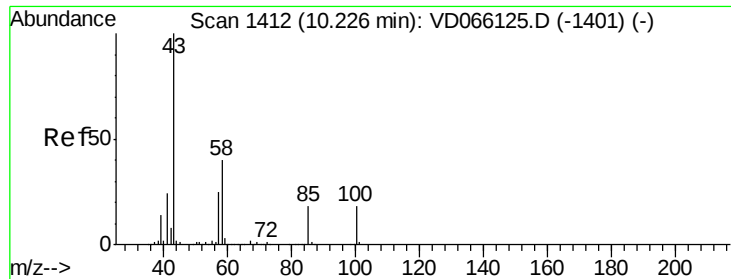
MMDadoda
8/7/2020 12:48:38 PM



#50
Toluene-d8
Concen: 53.116 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8





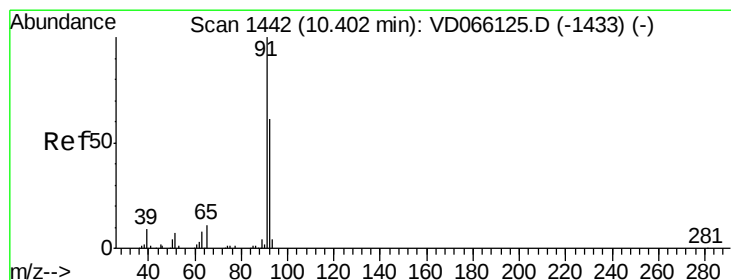
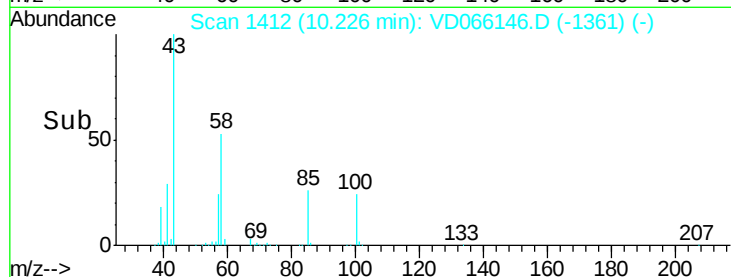
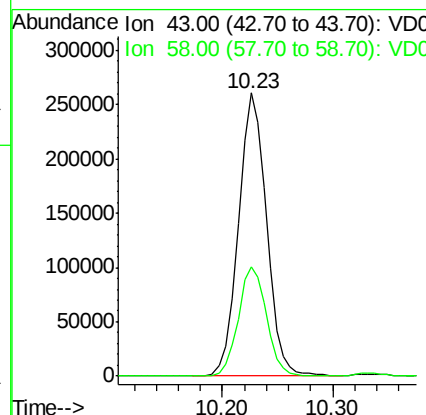
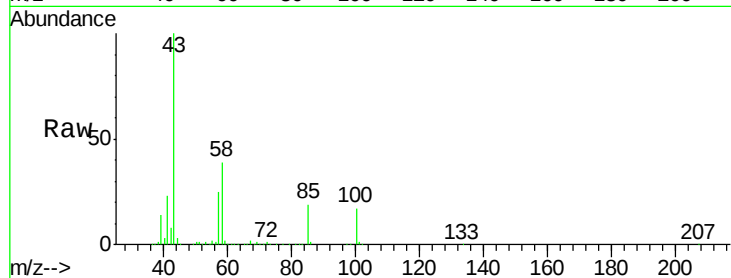
#51
4-Methyl-2-Pentanone
Concen: 251.738 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	465522
Ion Ratio	100	Lower	Upper
43	100		
58	38.9	31.1	46.7

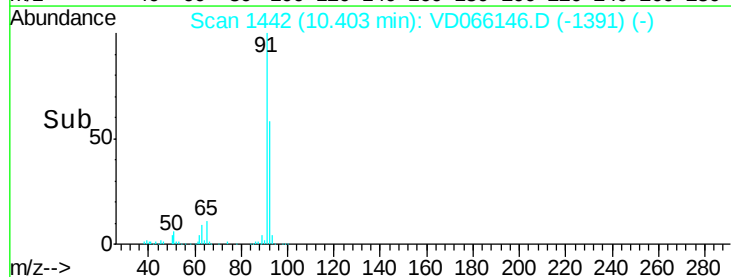
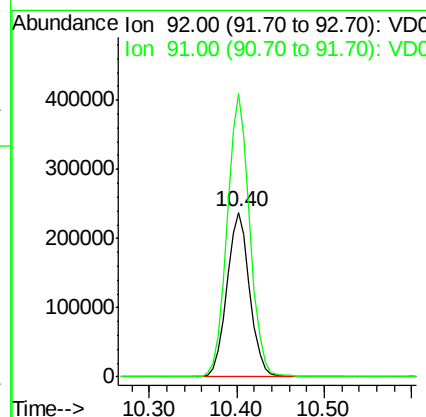
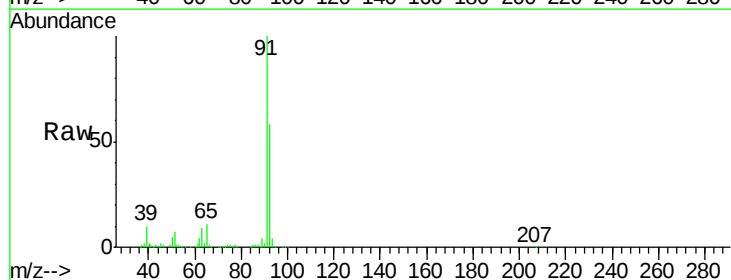
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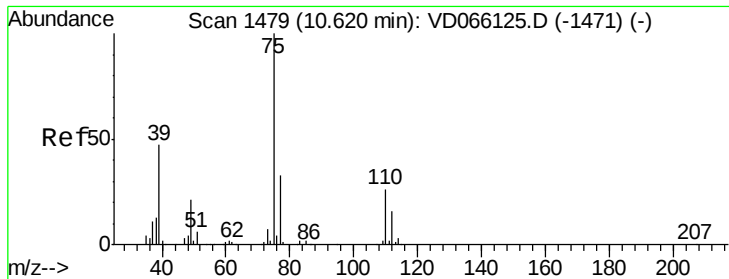
MMDadoda
8/7/2020 12:48:38 PM



#52
Toluene
Concen: 50.260 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	92	Resp	423096
Ion Ratio	100	Lower	Upper
92	100		
91	170.9	135.2	202.8





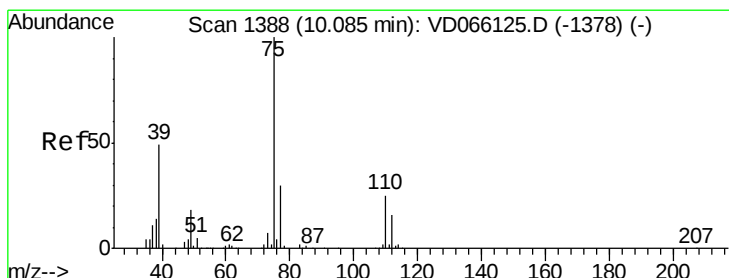
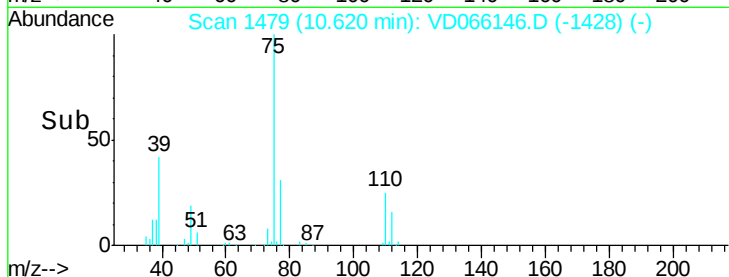
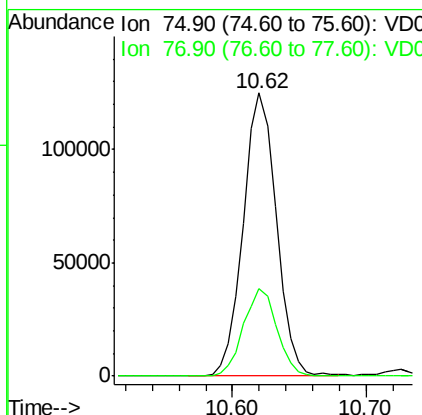
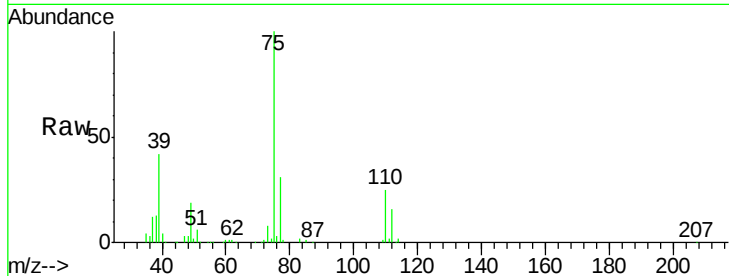
#53
 t-1,3-Dichloropropene
 Concen: 49.573 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	26.2	39.2

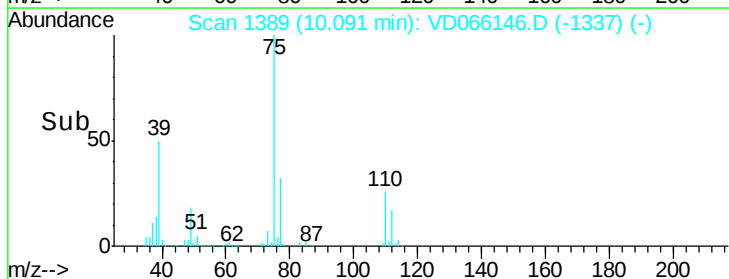
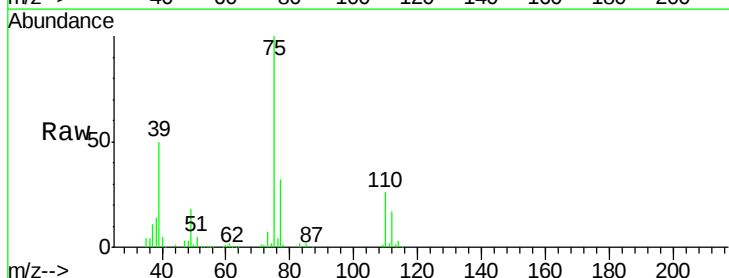
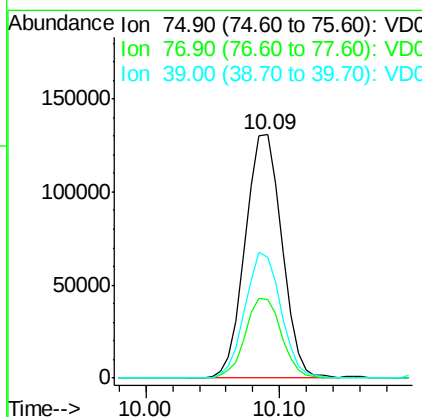
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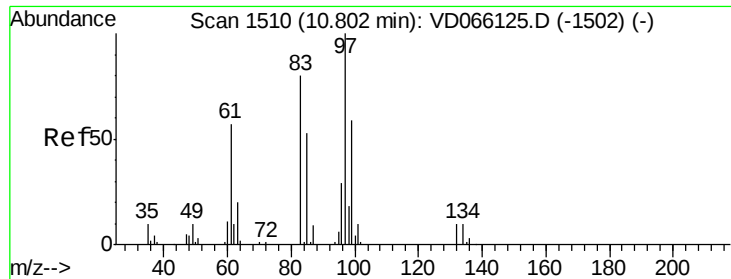
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#54
 cis-1,3-Dichloropropene
 Concen: 49.239 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.3	36.5
39	49.6	39.3	58.9





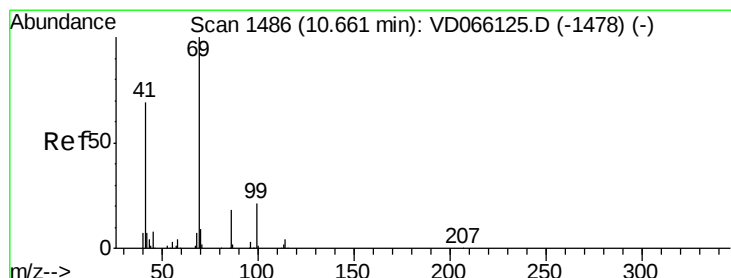
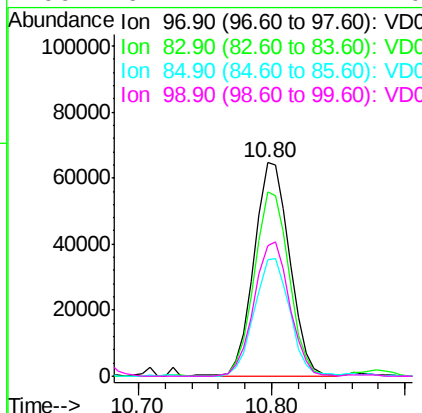
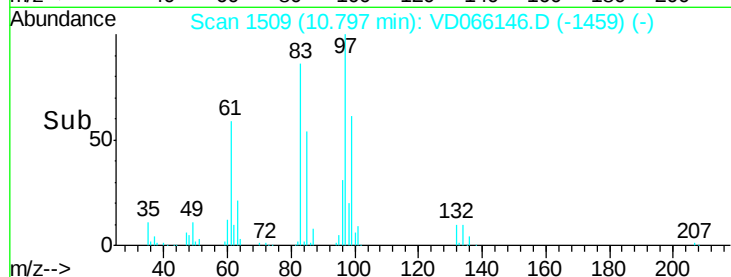
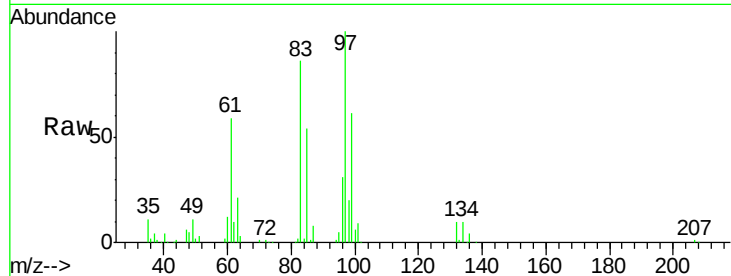
#55
 1,1,2-Trichloroethane
 Concen: 48.309 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		119888		
83	86.4	63.9	95.9		
85	54.4	42.5	63.7		
99	61.2	47.4	71.0		

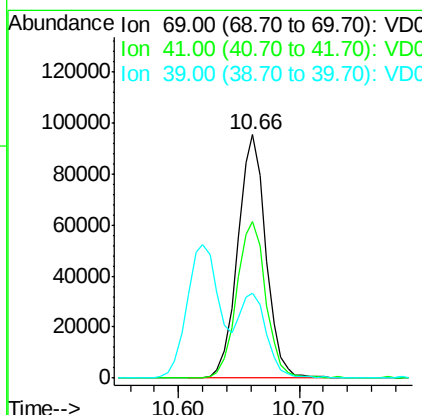
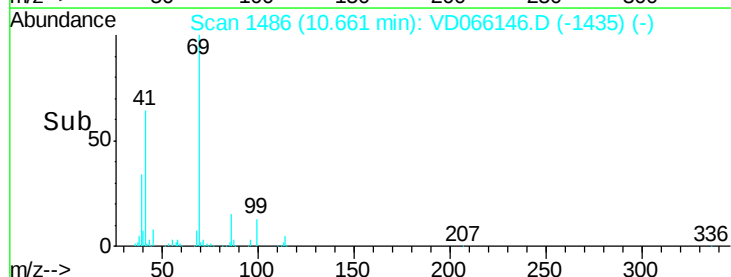
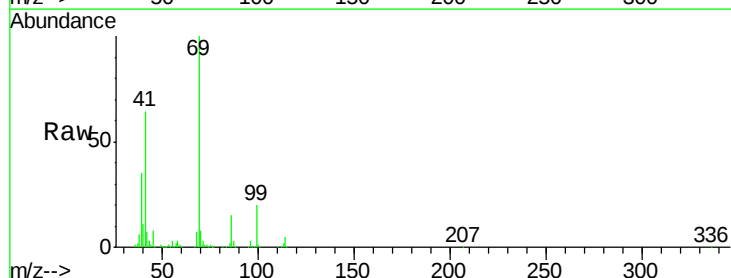
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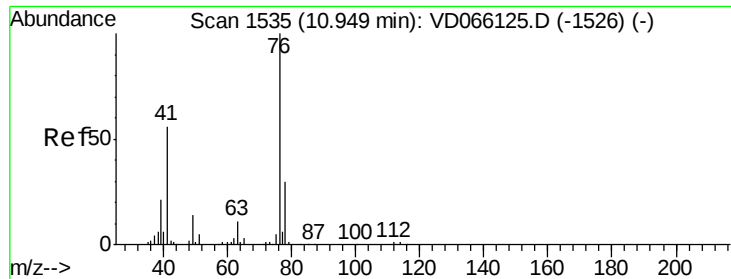
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 8/7/2020 12:48:38 PM



#56
 Ethyl methacrylate
 Concen: 52.143 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		155449		
41	66.9	54.1	81.1		
39	33.7	28.6	43.0		





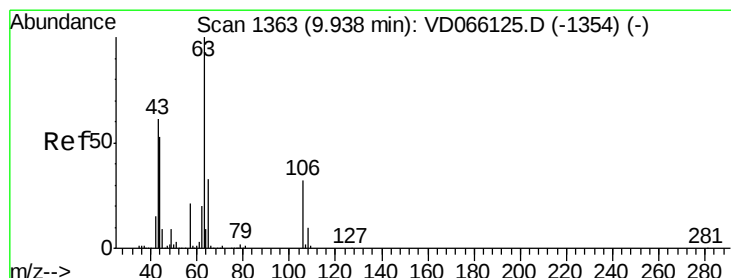
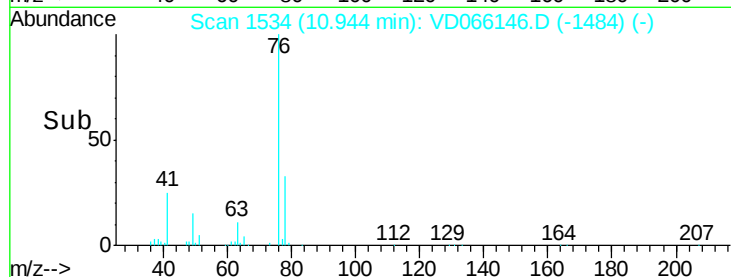
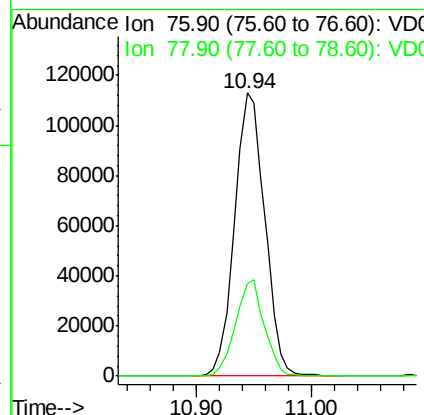
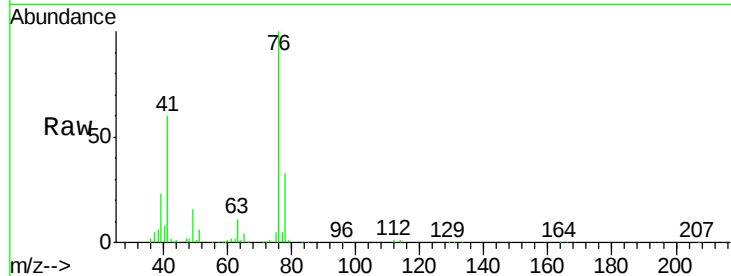
#57
 1,3-Dichloropropane
 Concen: 49.653 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

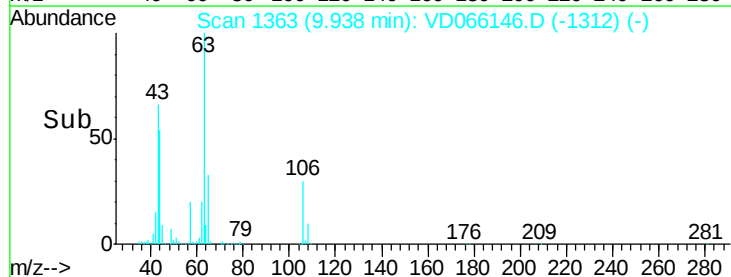
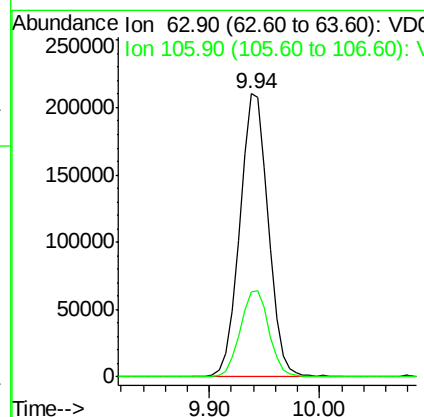
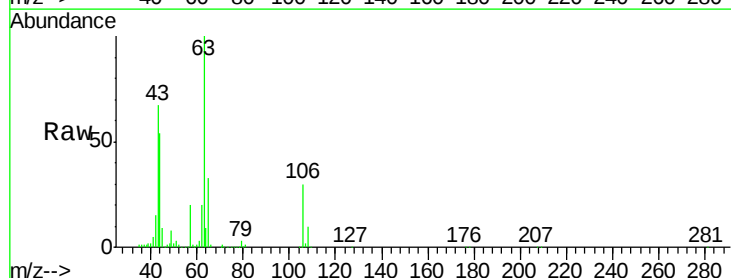
Manual Integrations
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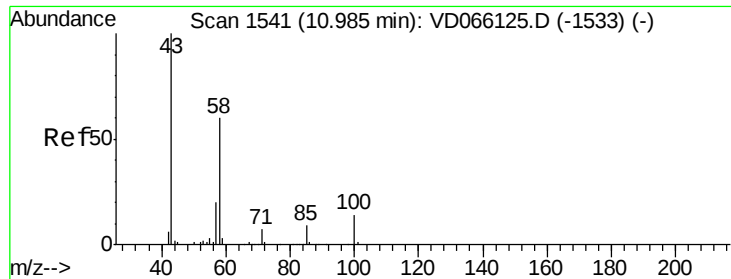
MMDadoda
 8/7/2020 12:48:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.437 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	25.3	37.9





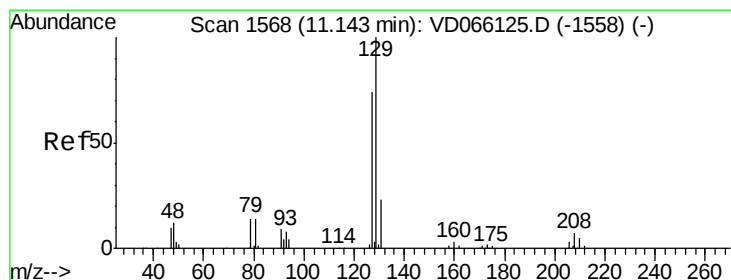
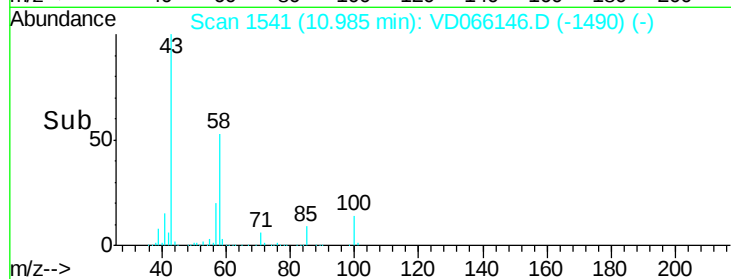
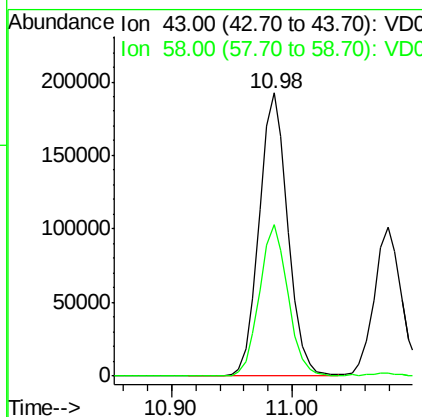
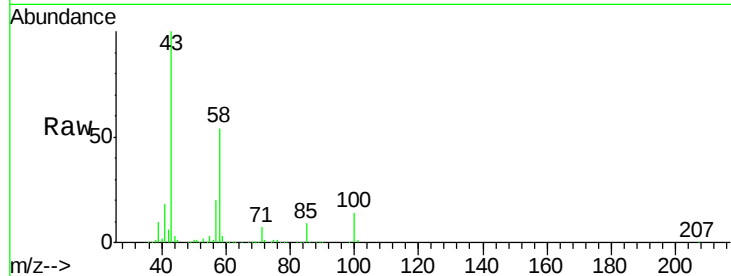
#59
2-Hexanone
Concen: 245.713 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 318892
Ion Ratio Lower Upper
43 100
58 53.3 27.8 83.4

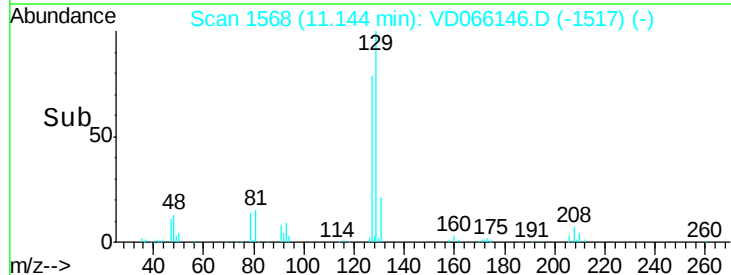
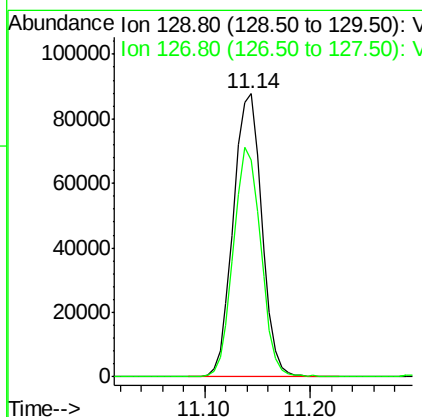
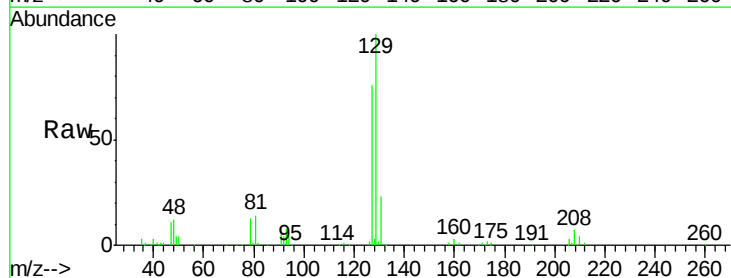
Manual Integrations
APPROVED

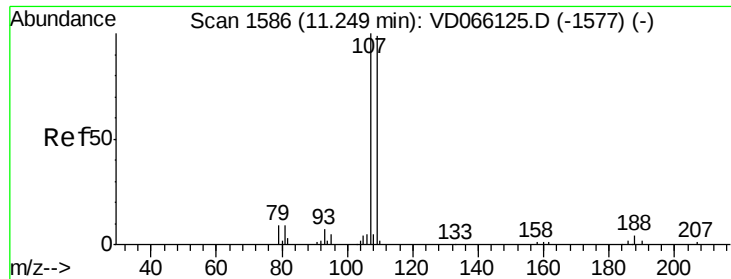
MMDadoda
8/7/2020 12:48:38 PM



#60
Dibromochloromethane
Concen: 47.918 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion: 129 Resp: 164175
Ion Ratio Lower Upper
129 100
127 78.1 38.0 114.1





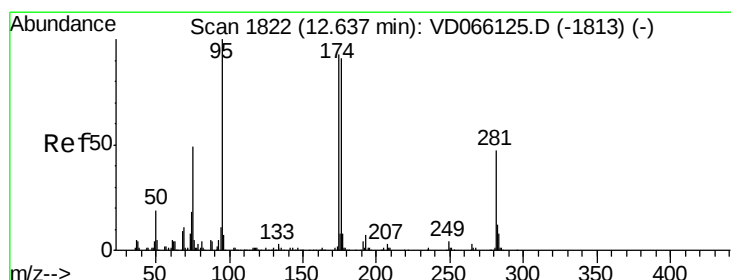
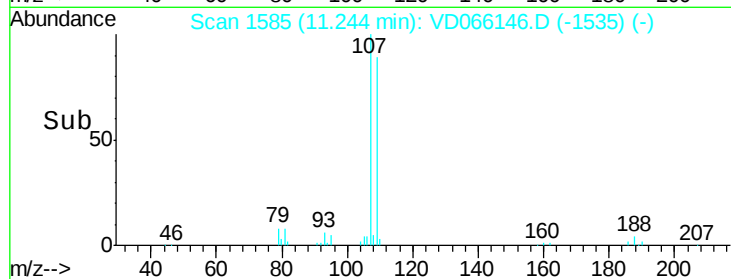
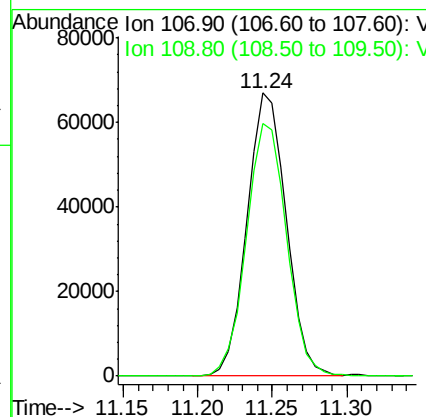
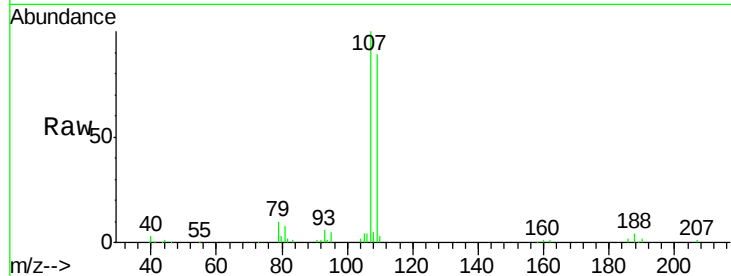
#61
 1,2-Dibromoethane
 Concen: 50.943 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	121583		
109	91.6	76.5	114.7	

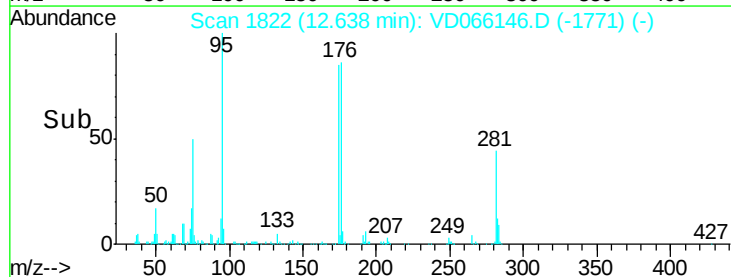
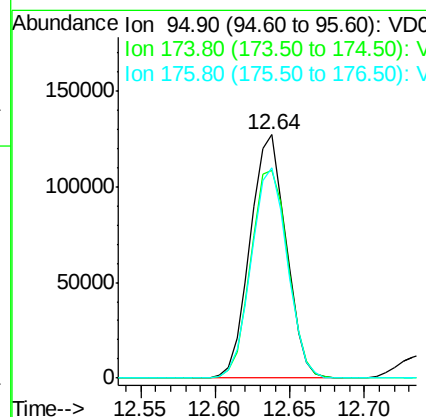
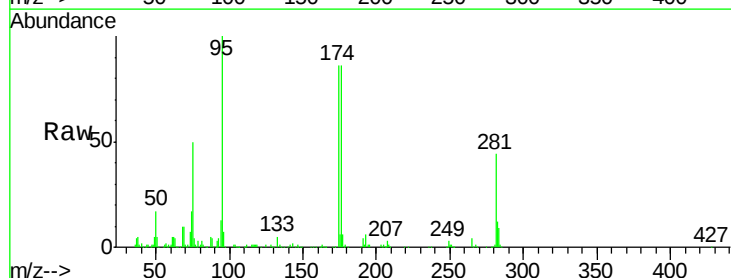
Manual Integrations
 APPROVED

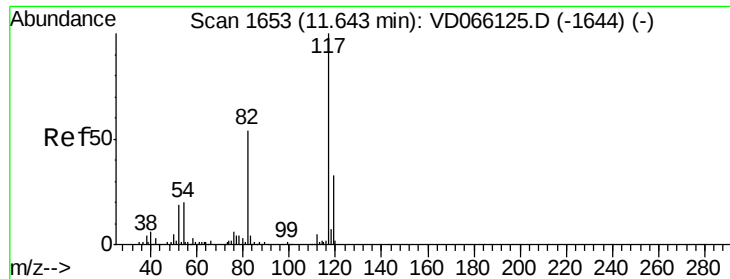
MMDadoda
 8/7/2020 12:48:38 PM



#62
 4-Bromofluorobenzene
 Concen: 51.143 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	211500		
174	88.4	0.0	180.8	
176	86.7	0.0	181.2	





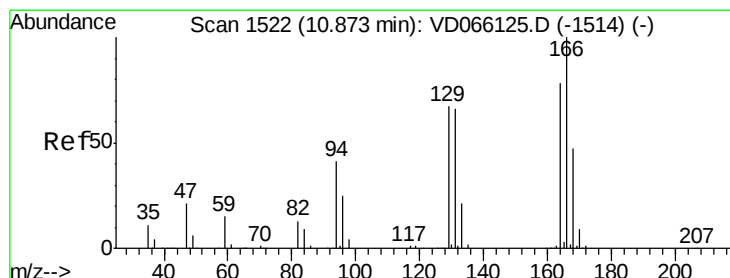
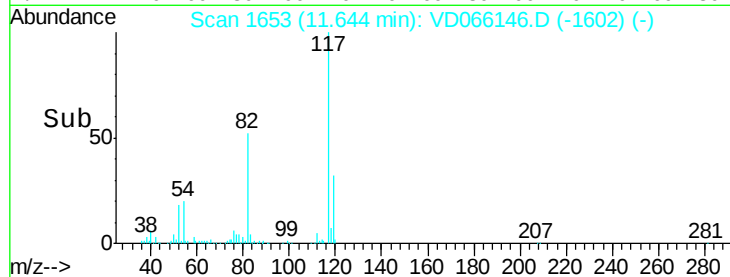
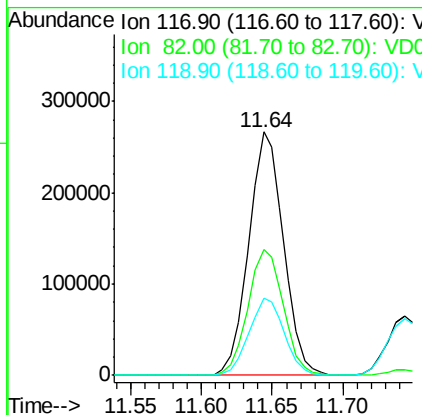
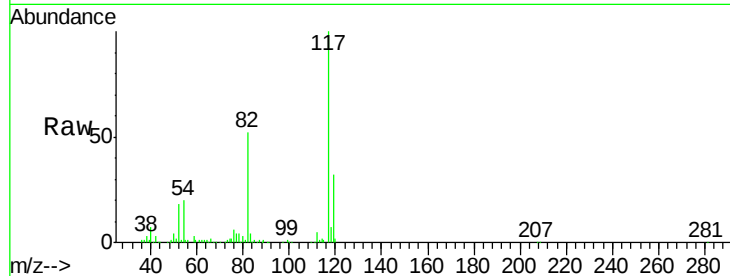
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	43.0	64.4
119	31.6	26.1	39.1

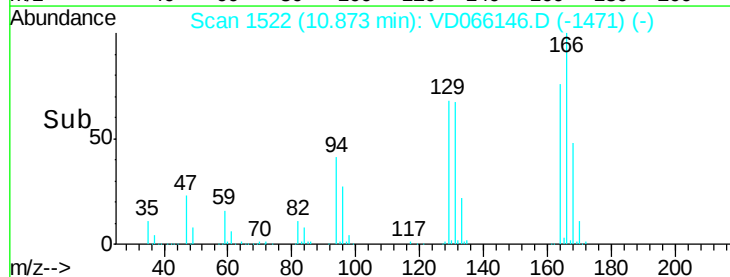
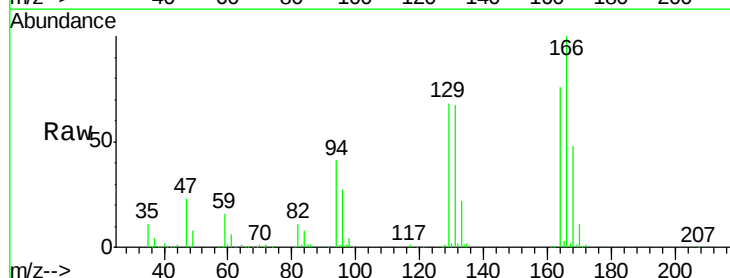
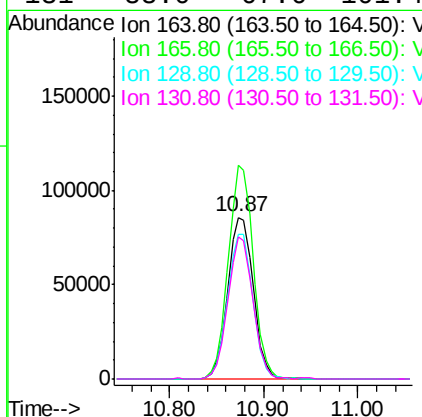
Manual Integrations
APPROVED

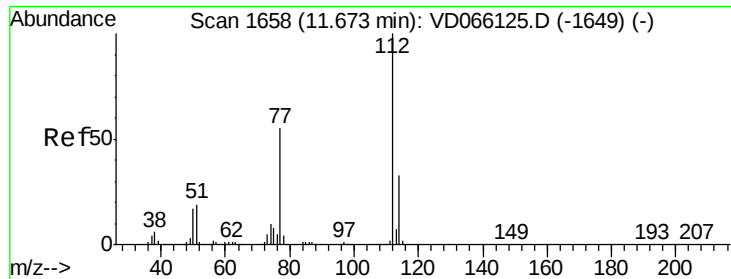
MMDadoda
8/7/2020 12:48:38 PM



#64
Tetrachloroethene
Concen: 45.621 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	101.9	152.9
129	89.4	68.1	102.1
131	88.0	67.6	101.4





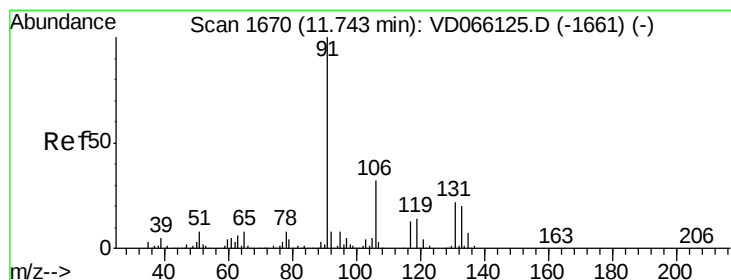
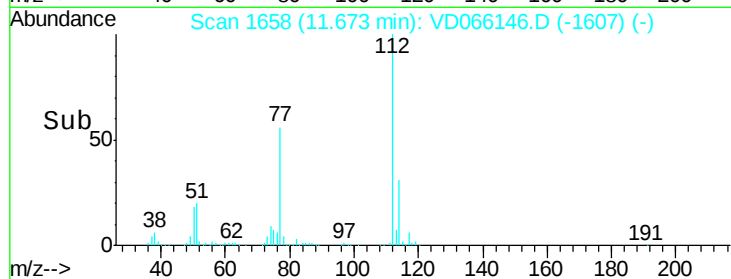
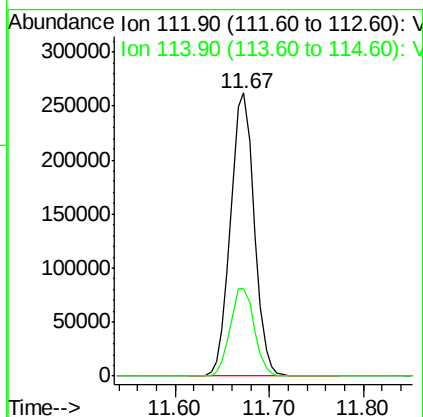
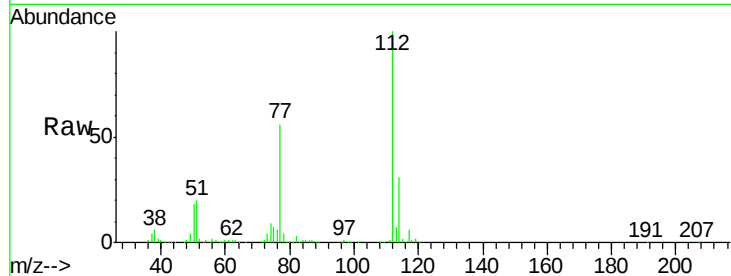
#65
Chlorobenzene
Concen: 49.170 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	26.1	39.1

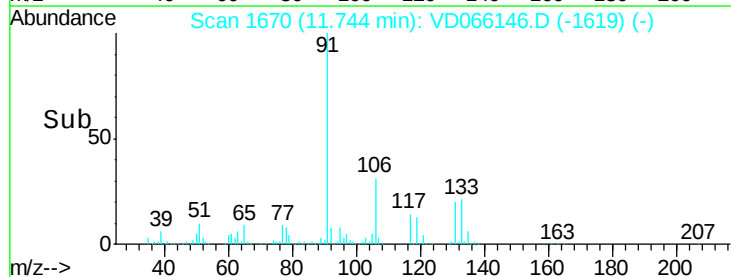
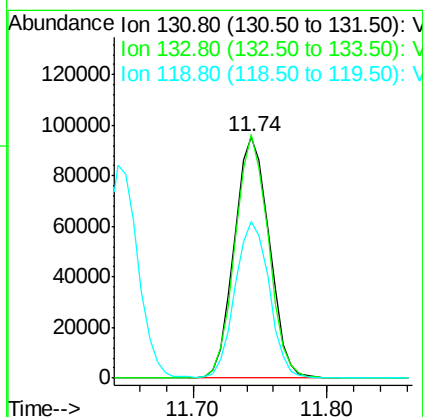
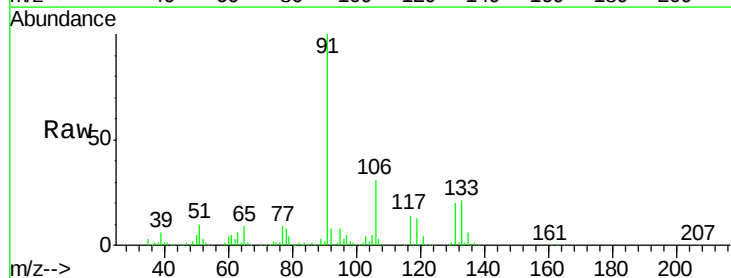
Manual Integrations
APPROVED

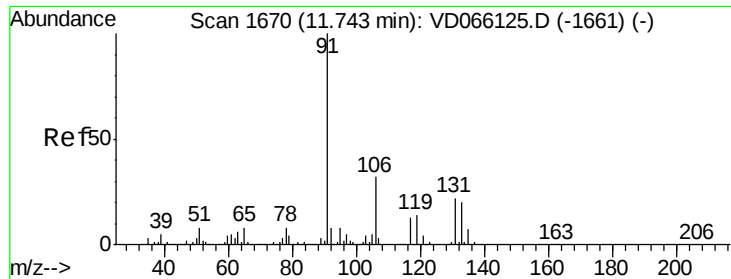
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.350 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.1	141.4
119	63.6	31.6	94.7





#67

Ethyl Benzene

Concen: 48.515 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 786230

Ion Ratio Lower Upper

91 100

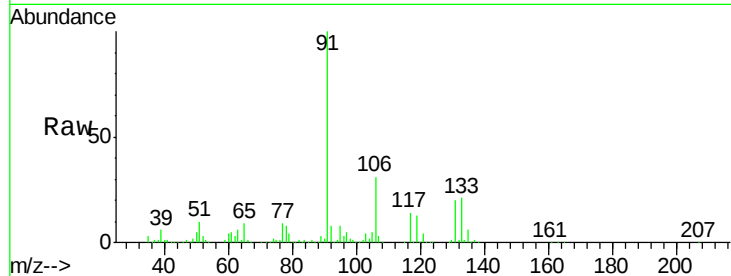
106 31.1 25.7 38.5

Manual Integrations

APPROVED

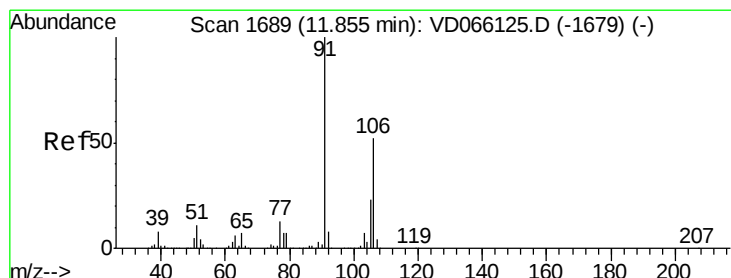
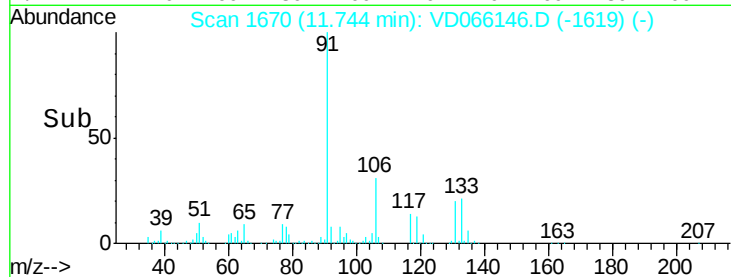
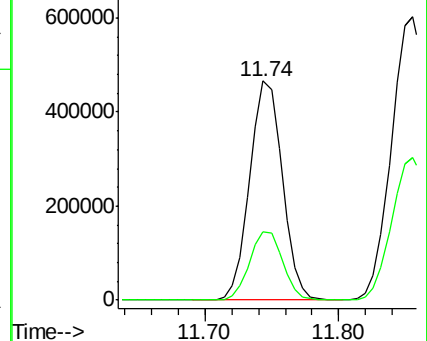
MMDadoda

8/7/2020 12:48:38 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 96.419 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066146.D

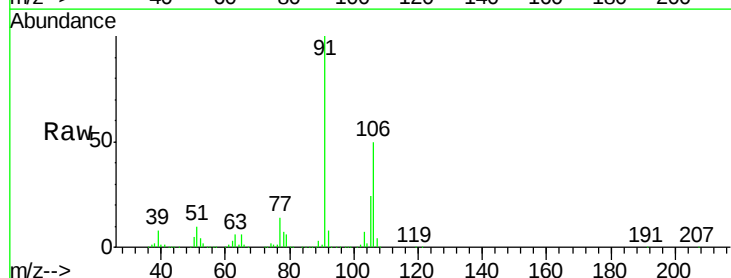
Acq: 06 Aug 2020 20:35

Tgt Ion: 106 Resp: 605399

Ion Ratio Lower Upper

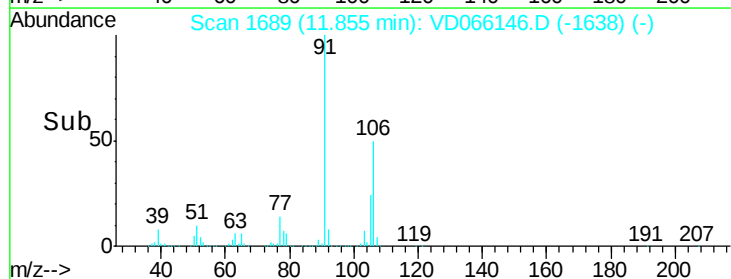
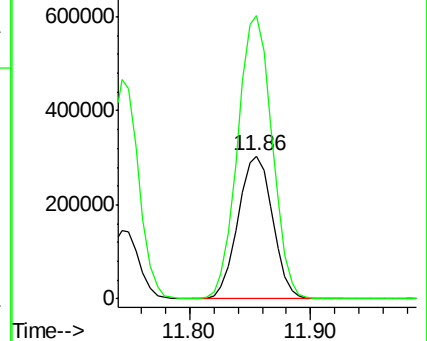
106 100

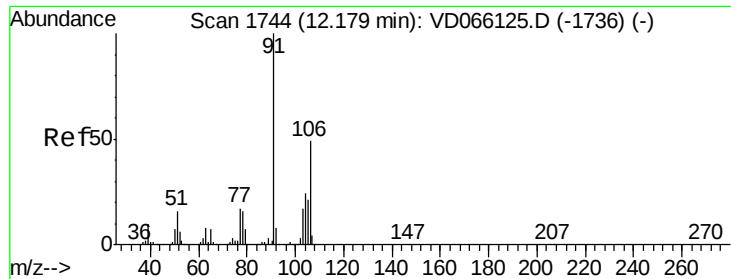
91 197.9 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





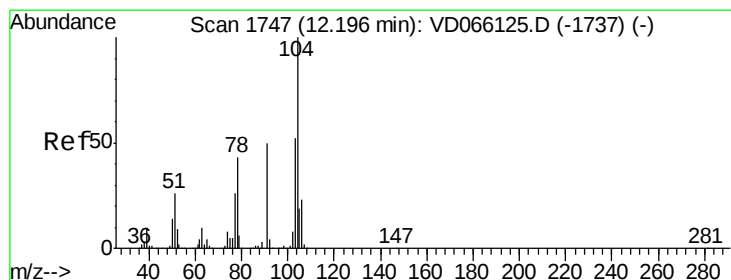
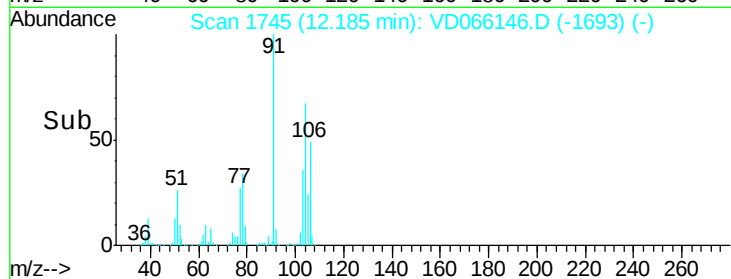
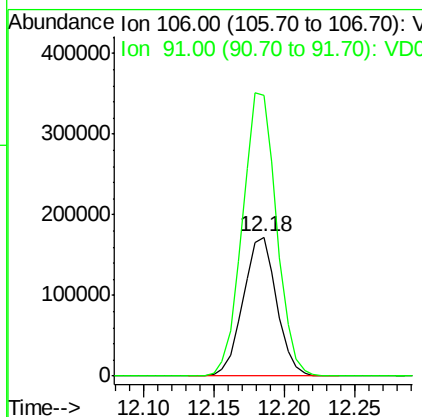
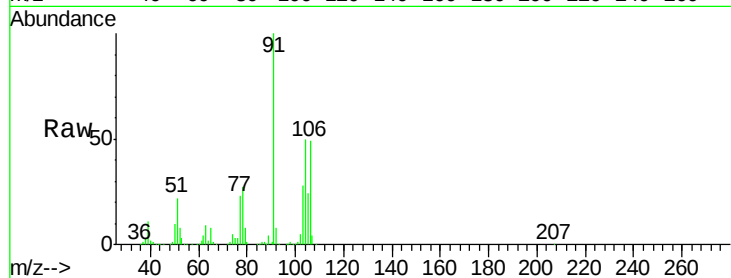
#69
o-Xylene
Concen: 50.046 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		285846		
91	208.4	105.7	317.1		

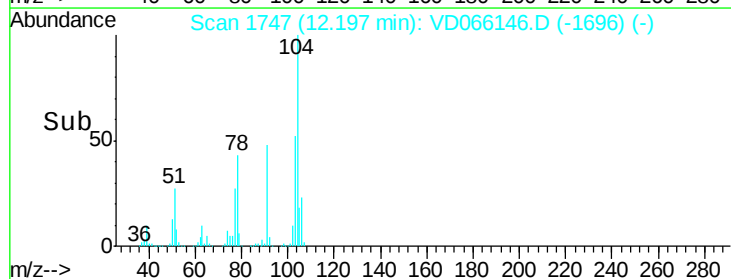
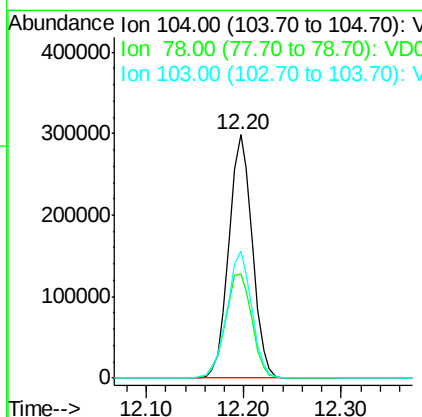
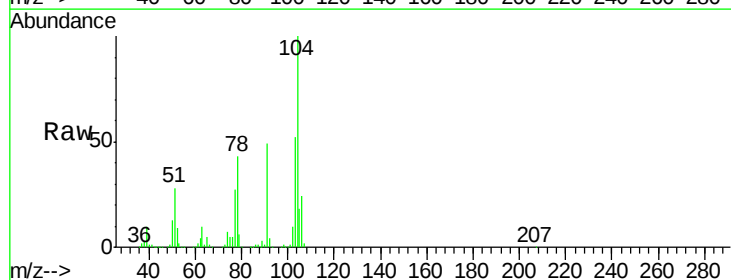
Manual Integrations
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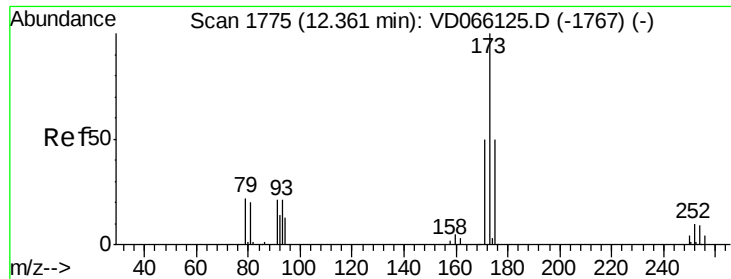
MMDadoda
8/7/2020 12:48:38 PM



#70
Styrene
Concen: 49.732 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		497808		
78	48.2	38.6	58.0		
103	54.7	44.1	66.1		





#71

Bromoform

Concen: 46.052 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 99838

Ion Ratio Lower Upper

173 100

175 48.2 24.6 73.6

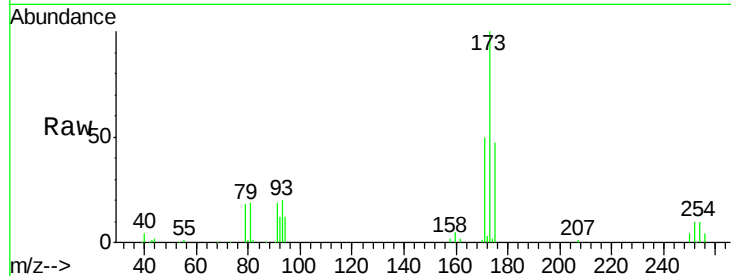
254 0.0 0.2 0.2#

Manual Integrations

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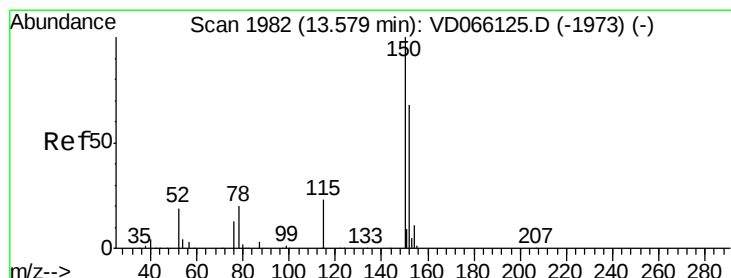
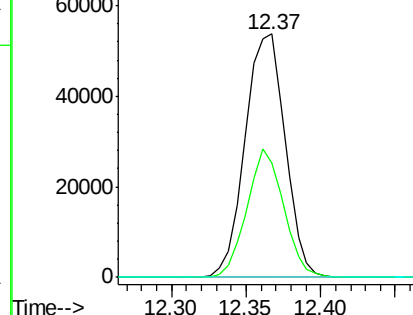
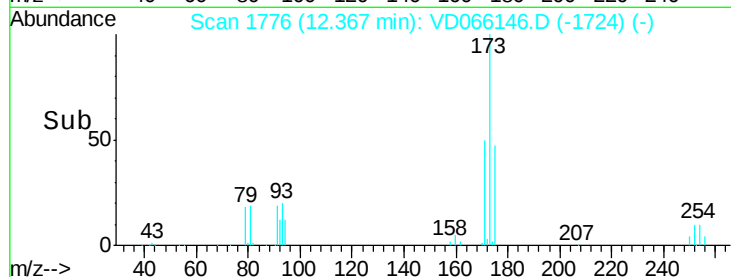
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD066146.D

Acq: 06 Aug 2020 20:35

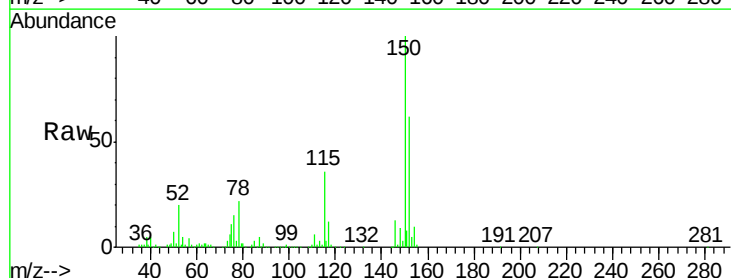
Tgt Ion:152 Resp: 227301

Ion Ratio Lower Upper

152 100

115 55.9 28.0 83.9

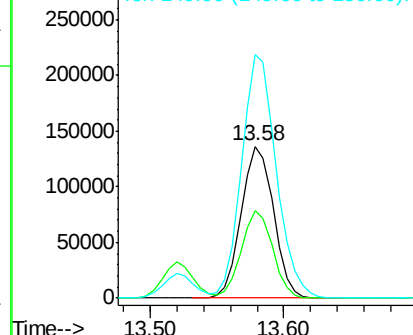
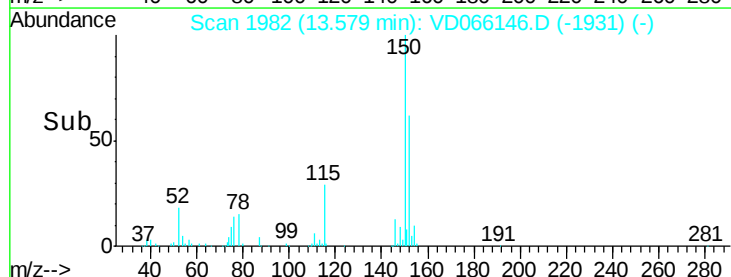
150 172.3 0.0 346.4

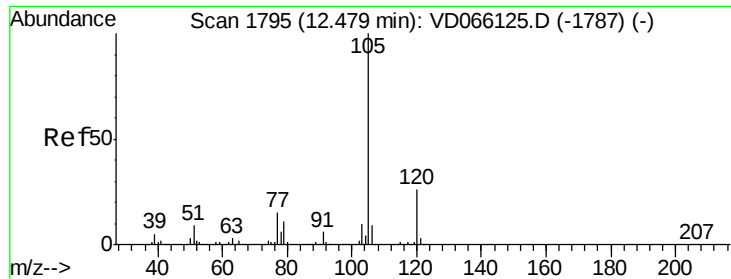


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.589 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 767578

Ion Ratio Lower Upper

105 100

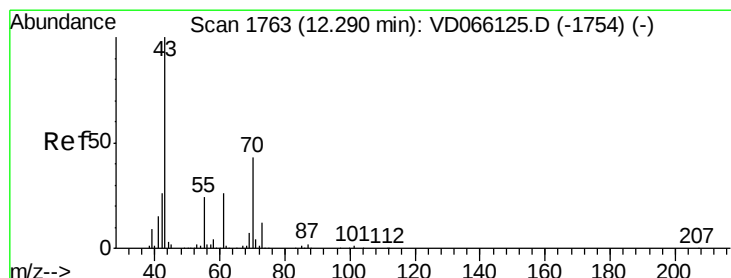
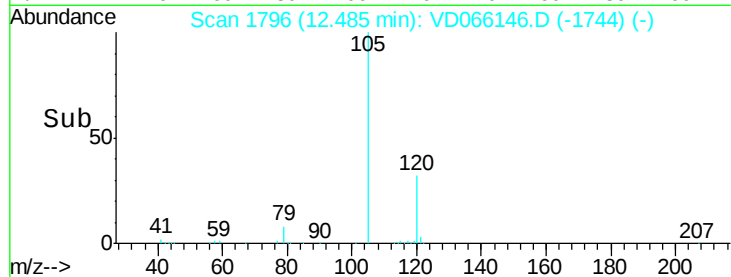
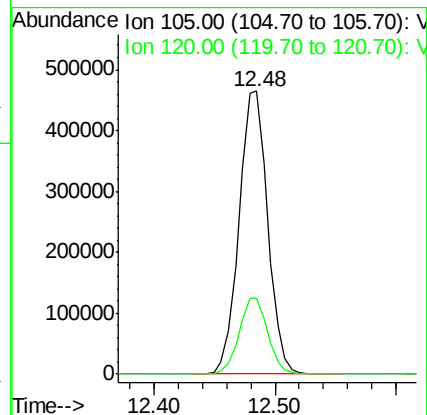
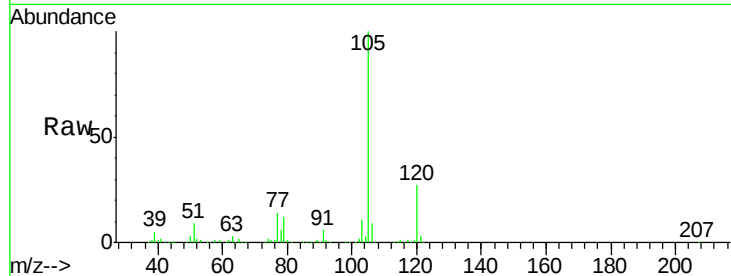
120 26.7 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.545 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Tgt Ion: 43 Resp: 175561

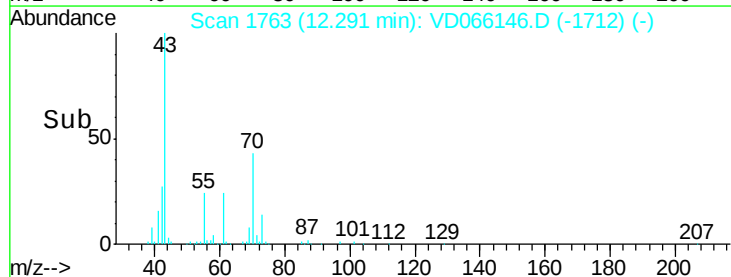
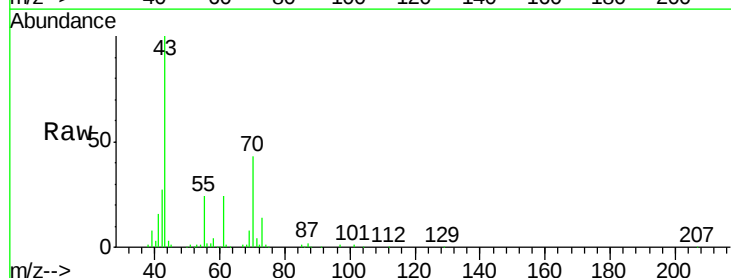
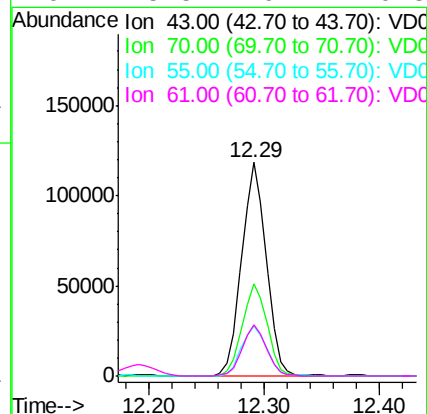
Ion Ratio Lower Upper

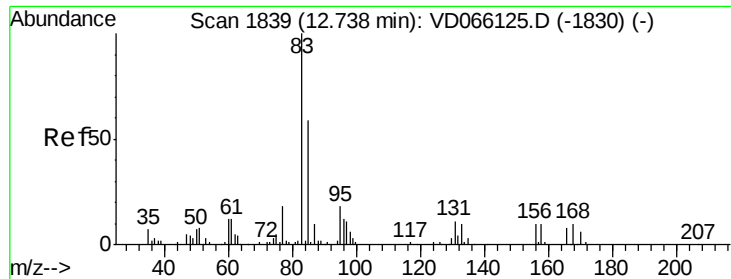
43 100

70 43.3 34.9 52.3

55 24.0 19.2 28.8

61 23.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.155 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

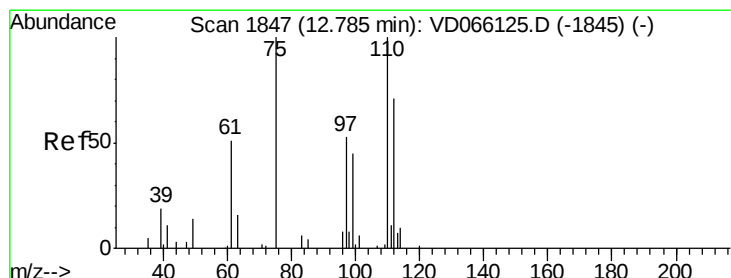
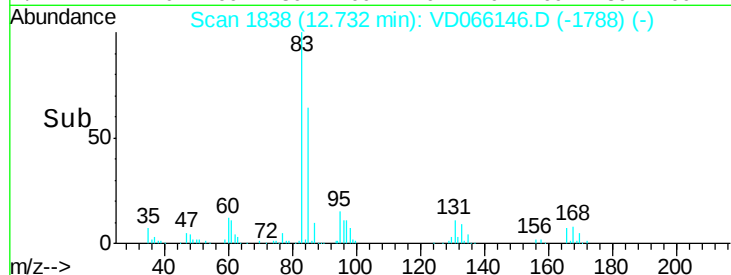
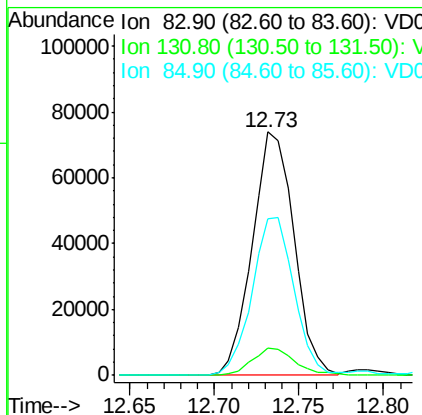
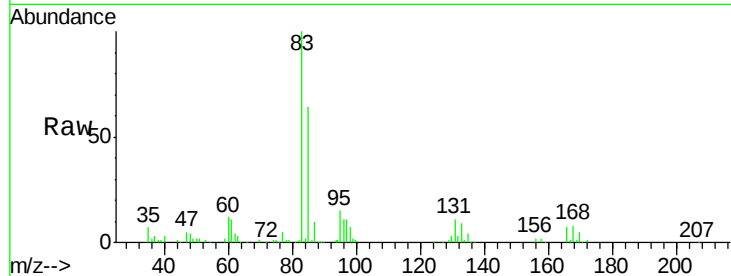
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	127175
Ion Ratio	Lower	Upper	
83	100		
131	11.6	6.2	18.6
85	65.3	32.4	97.2

Manual Integrations
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8/7/2020 12:48:38 PM



#76

1,2,3-Trichloropropane

Concen: 48.290 ug/l m

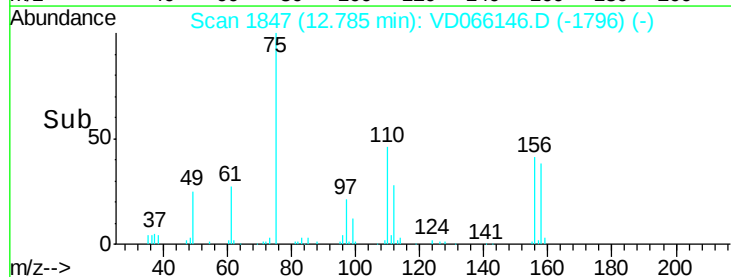
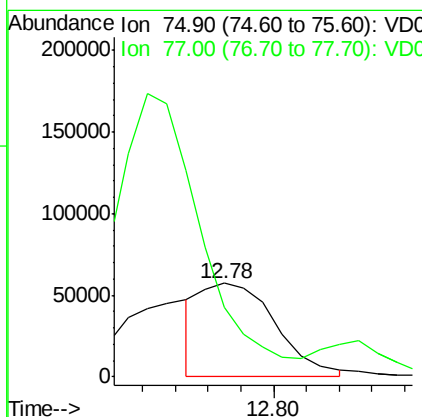
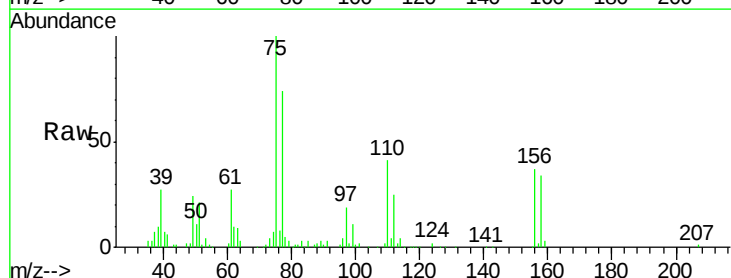
RT: 12.78 min Scan# 1847

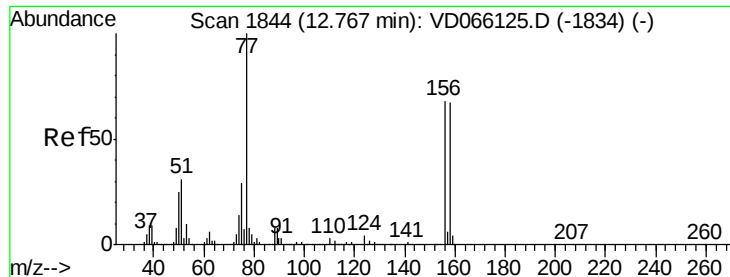
Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Tgt Ion:	75	Resp:	91536
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.588 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

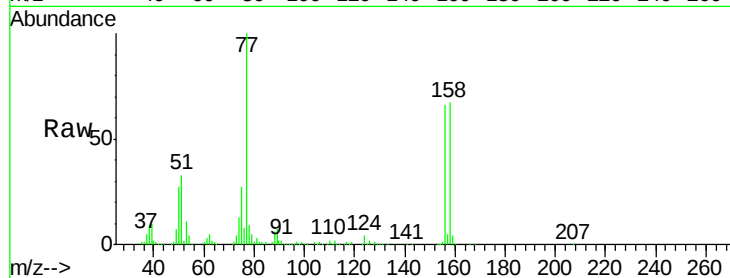
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	193681
Ion Ratio	Lower	Upper	
156	100		
77	168.6	81.0	243.1
158	98.8	48.8	146.3

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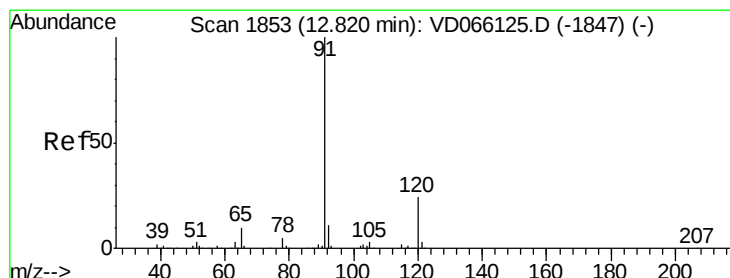
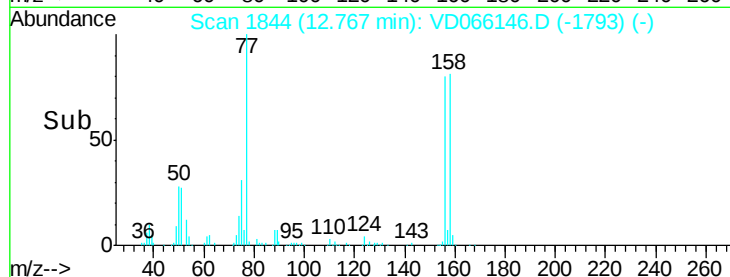
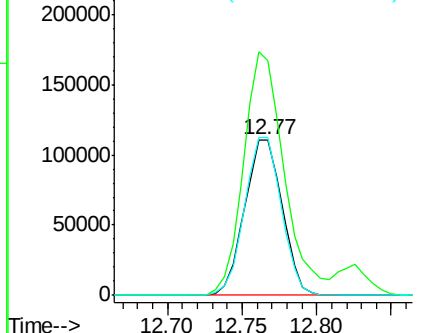
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.725 ug/l

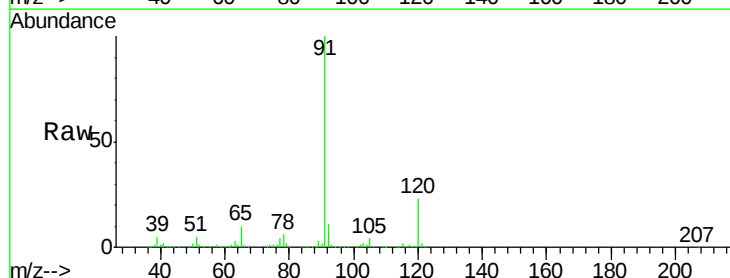
RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD066146.D

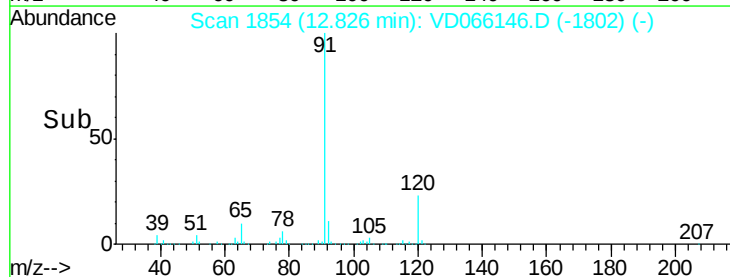
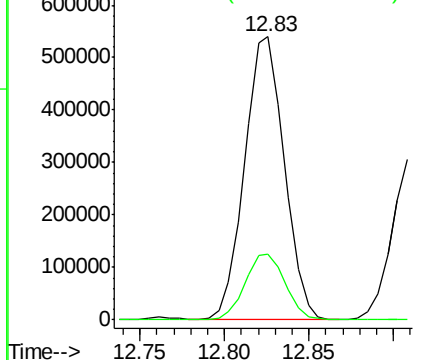
Acq: 06 Aug 2020 20:35

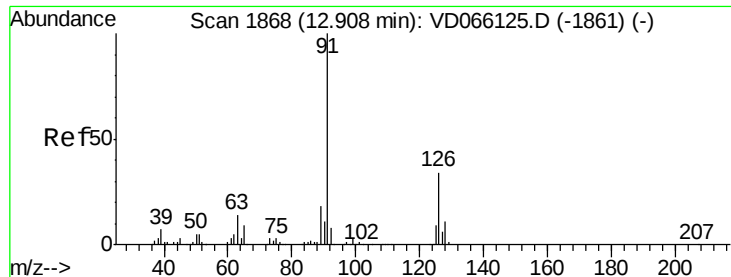
Tgt Ion:	91	Resp:	877019
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





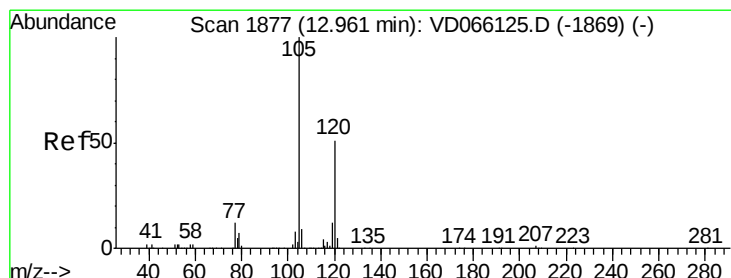
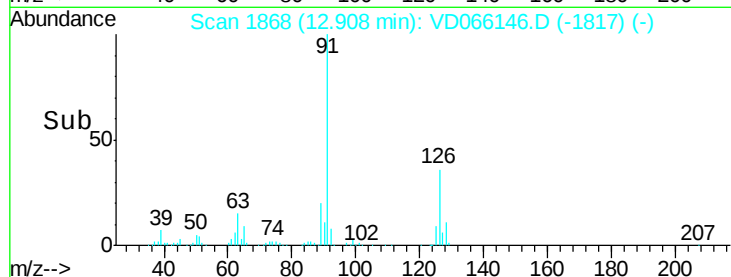
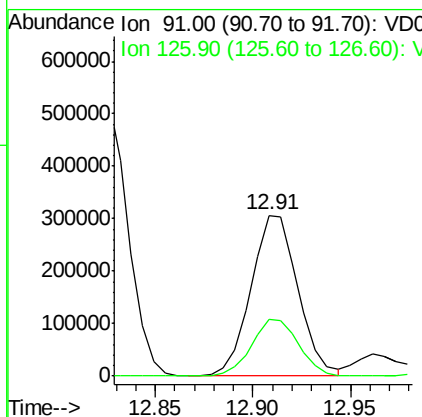
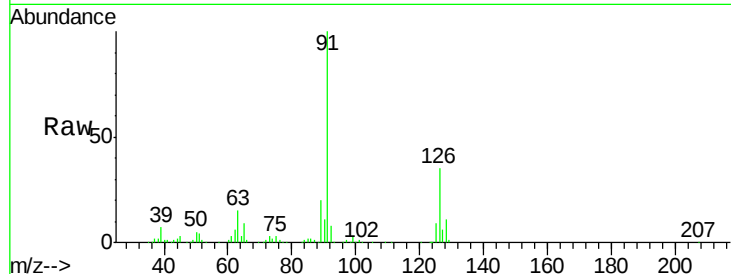
#79
 2-Chlorotoluene
 Concen: 50.575 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 510170
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.5 52.6

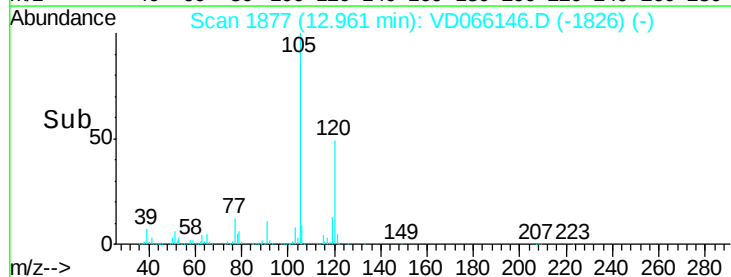
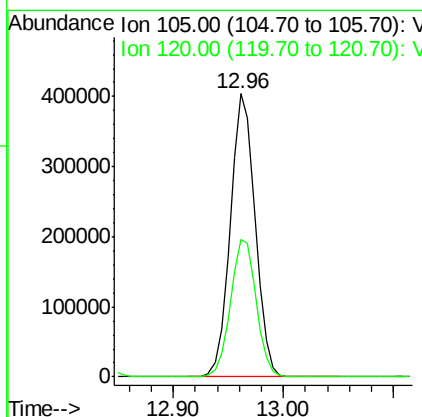
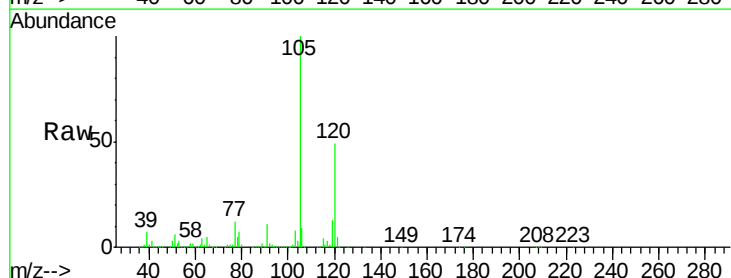
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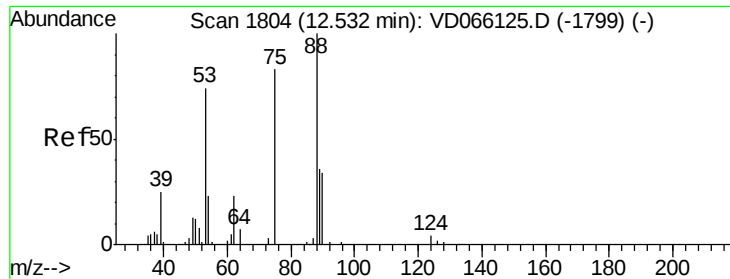
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.220 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion: 105 Resp: 637258
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.078 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

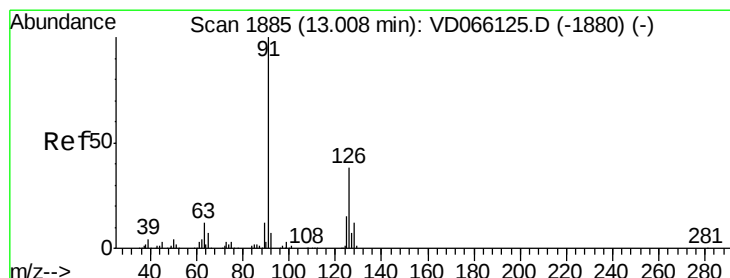
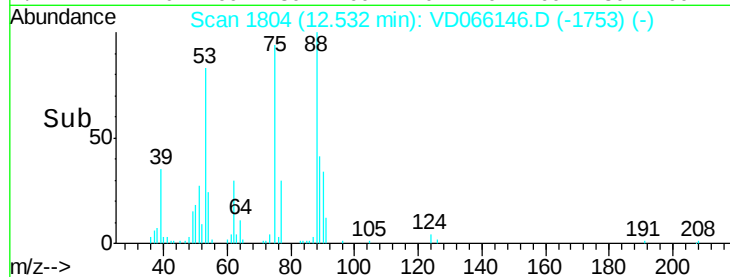
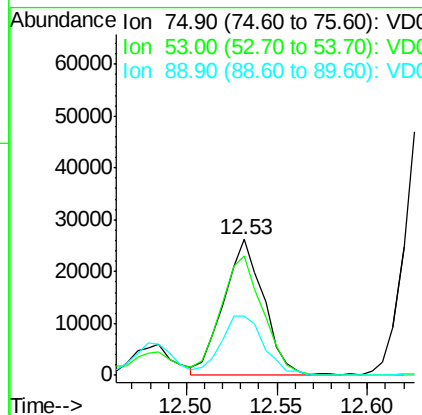
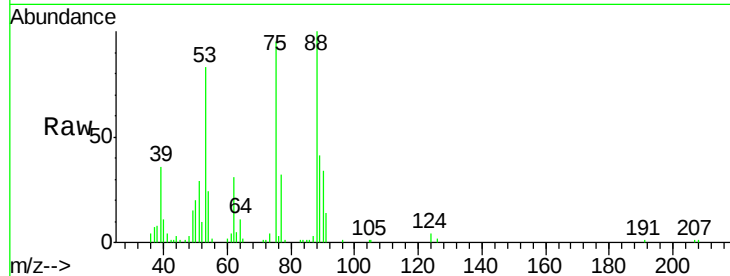
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	39511
Ion	Ratio	Lower	Upper
75	100		
53	94.3	73.4	110.2
89	47.7	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.525 ug/l

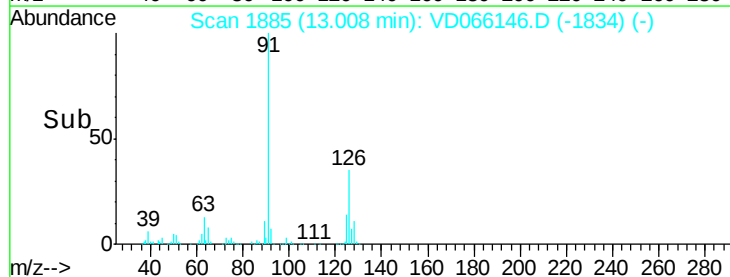
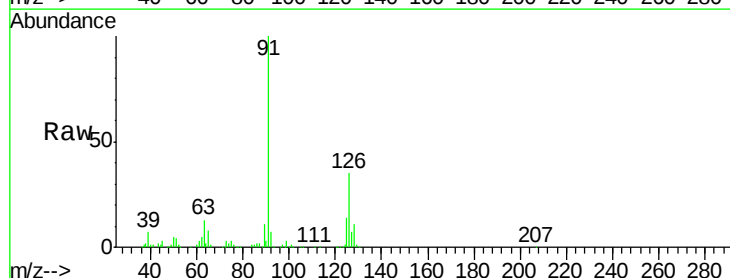
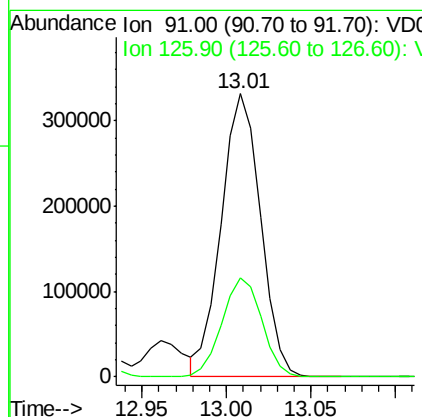
RT: 13.01 min Scan# 1885

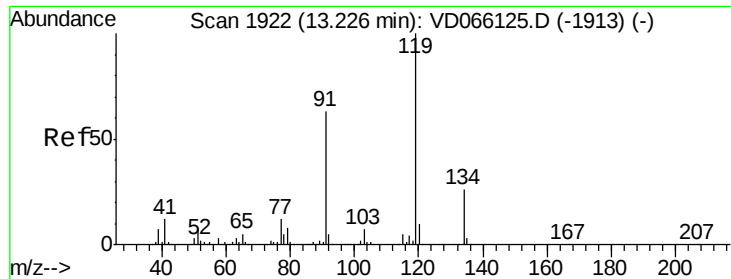
Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Tgt Ion:	91	Resp:	538030
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3





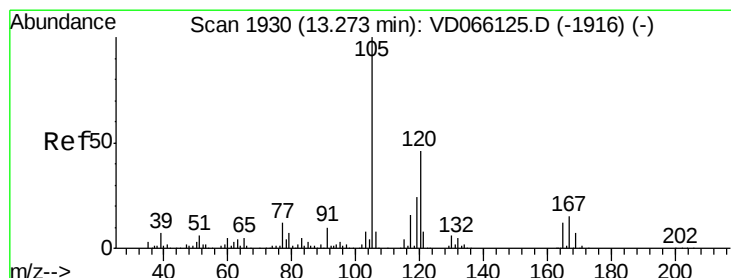
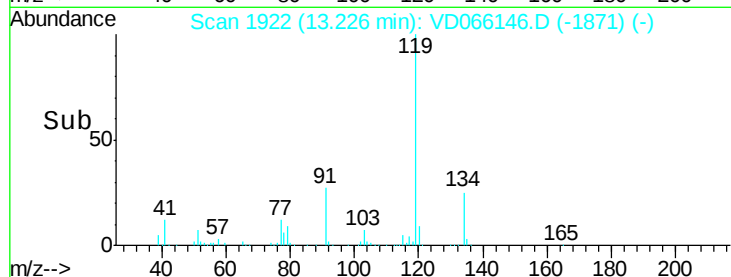
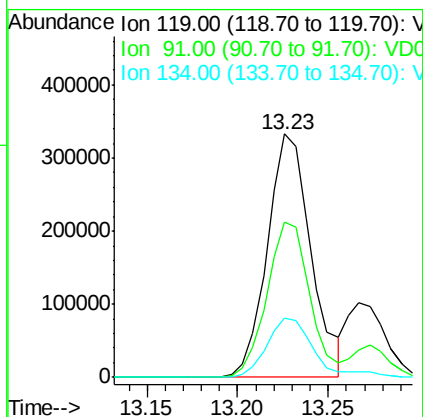
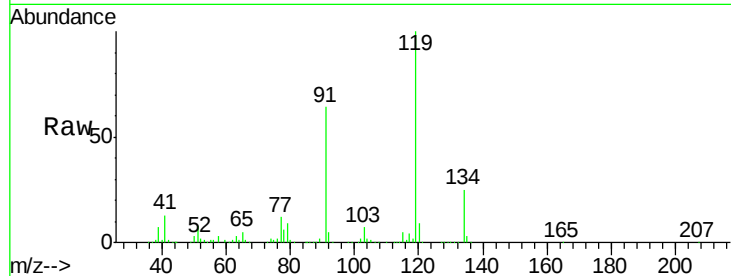
#83
tert-Butylbenzene
Concen: 49.973 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	557664		
91	62.6		30.8	92.4
134	26.7		13.6	40.8

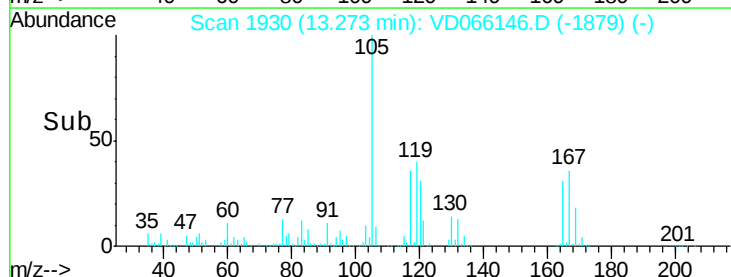
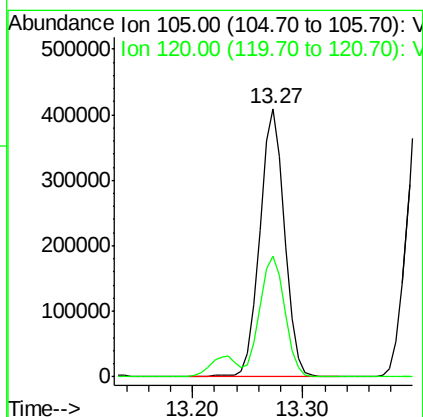
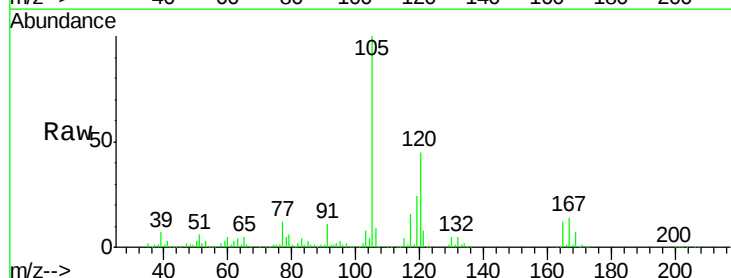
Manual Integrations
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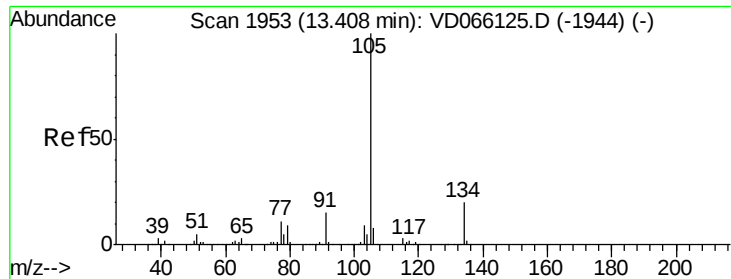
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#84
1,2,4-Trimethylbenzene
Concen: 50.686 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	643654		
120	45.7		23.1	69.2





#85

sec-Butylbenzene

Concen: 48.753 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 734533

Ion Ratio Lower Upper

105 100

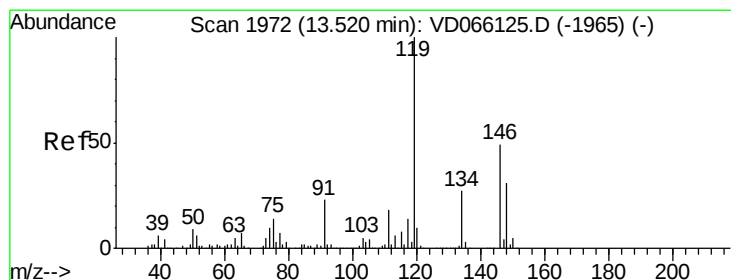
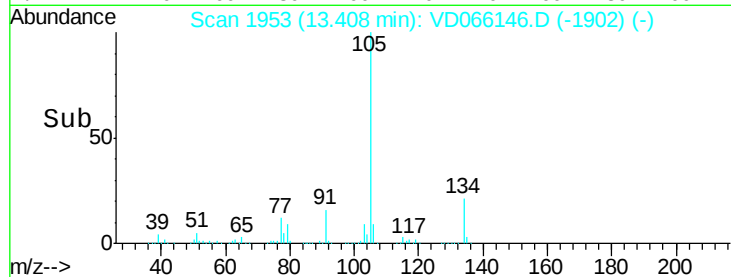
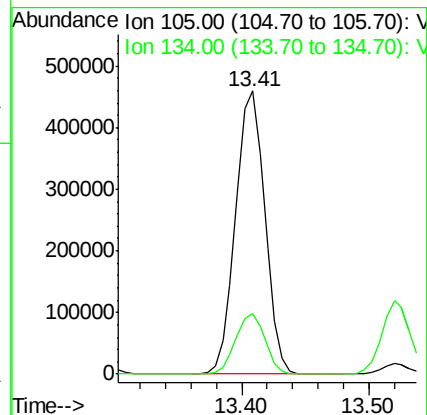
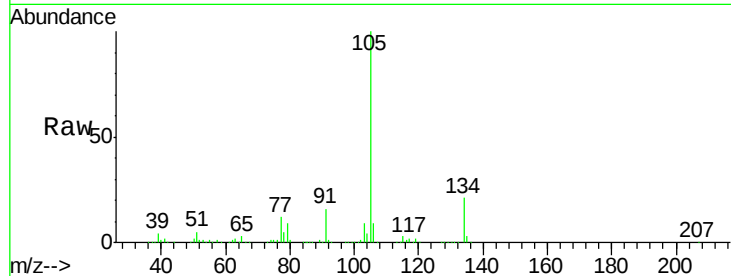
134 21.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 48.554 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

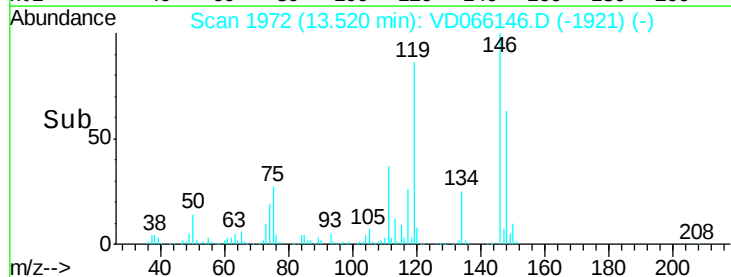
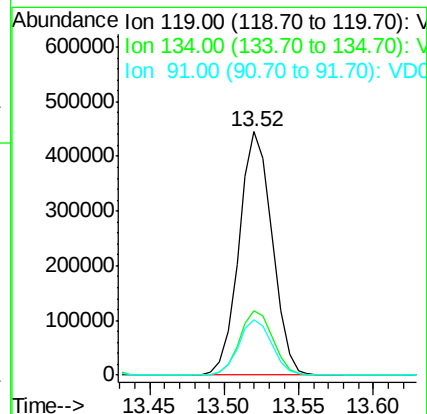
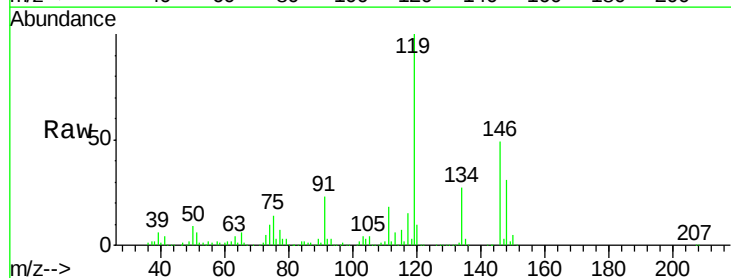
Tgt Ion:119 Resp: 686124

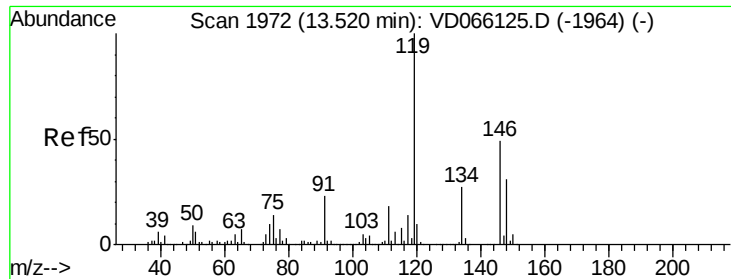
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.592 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

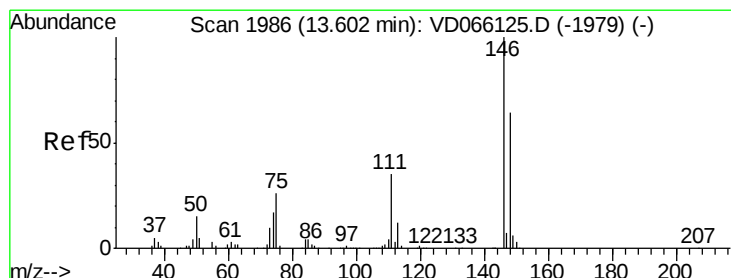
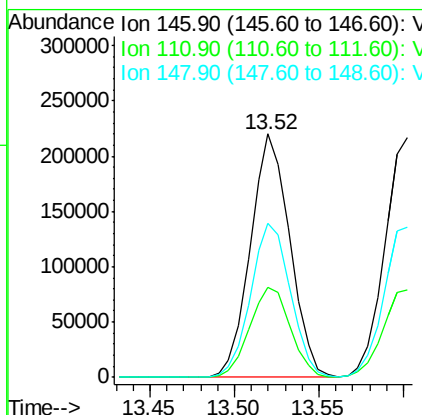
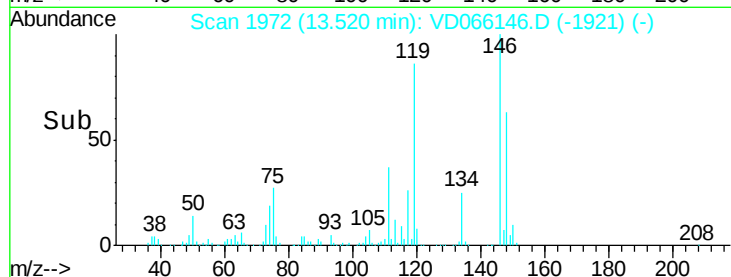
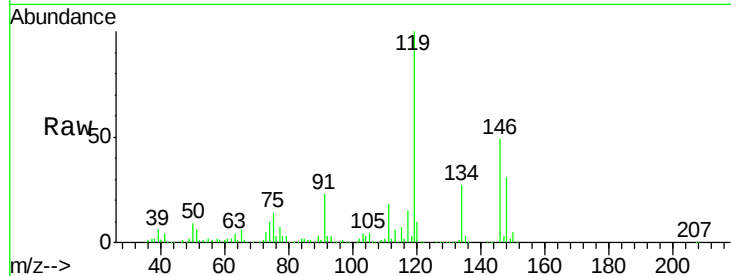
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	356704
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.9	56.9
148	63.7	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 48.755 ug/l

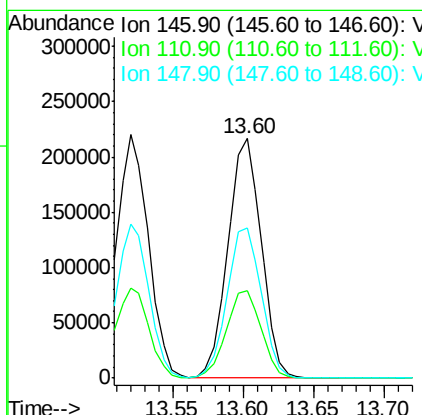
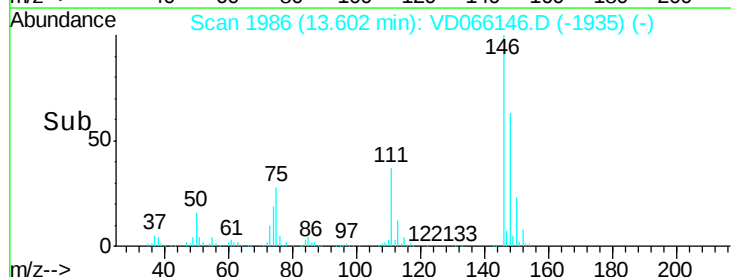
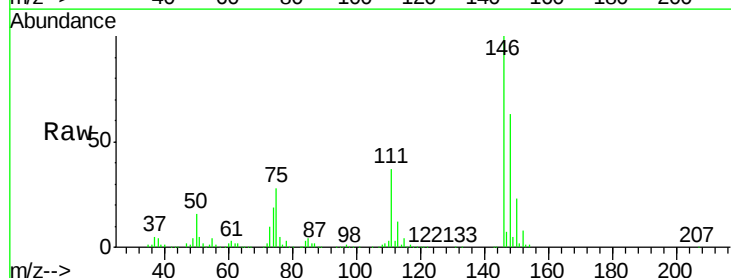
RT: 13.60 min Scan# 1986

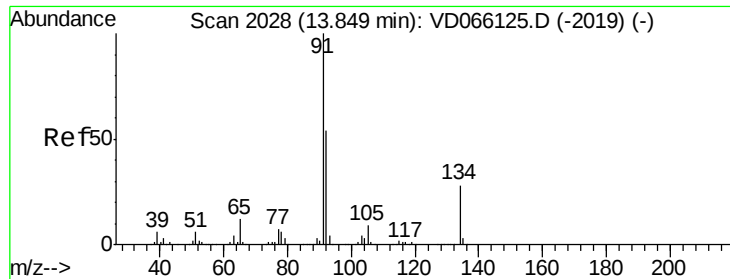
Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Tgt Ion:	146	Resp:	356925
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.6	55.8
148	64.5	32.4	97.0





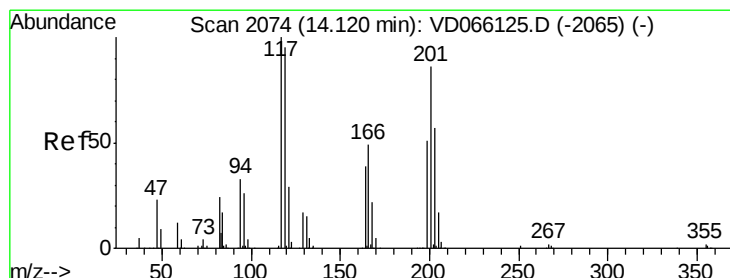
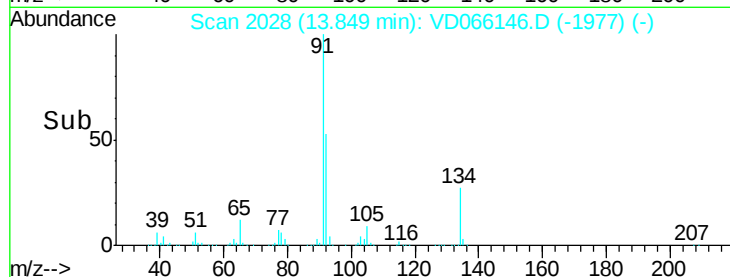
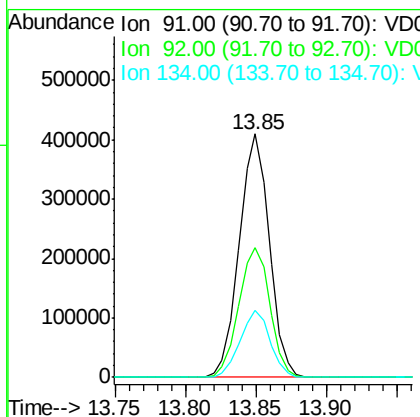
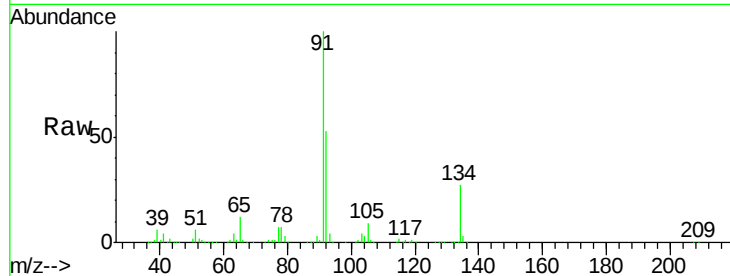
#89
n-Butylbenzene
Concen: 48.157 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	26.8	80.3
134	27.6	14.0	41.9

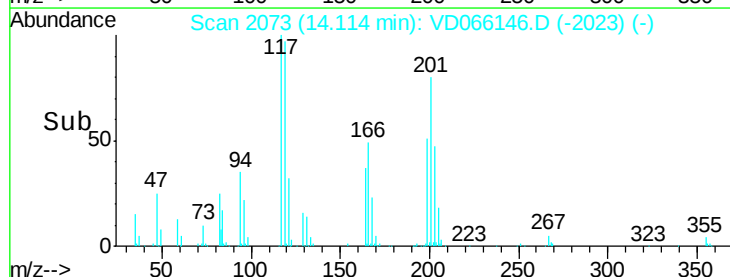
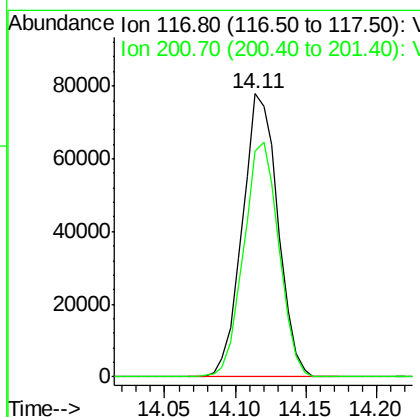
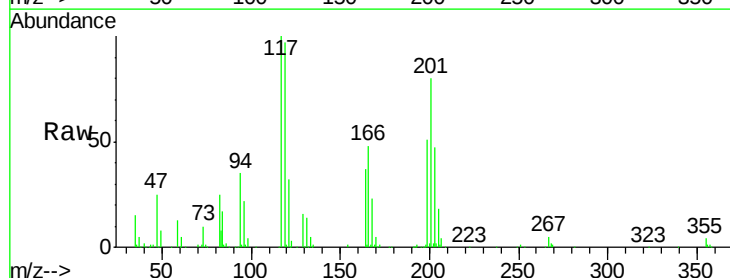
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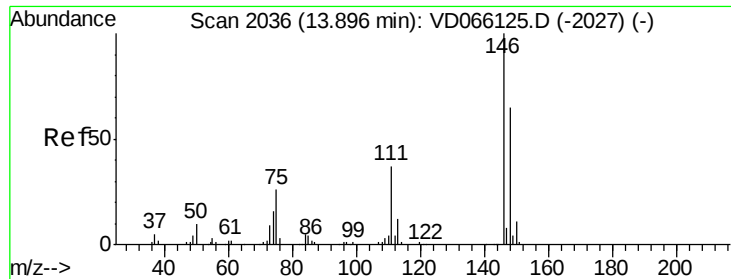
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#90
Hexachloroethane
Concen: 48.753 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066146.D
Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	42.7	128.1





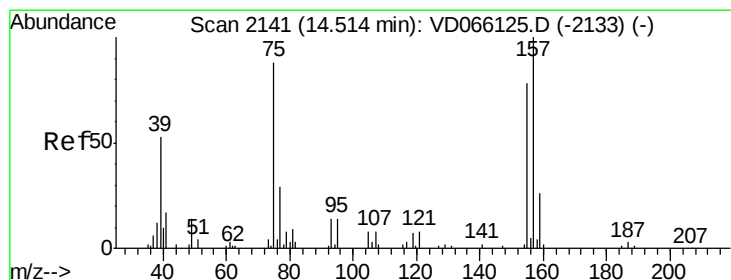
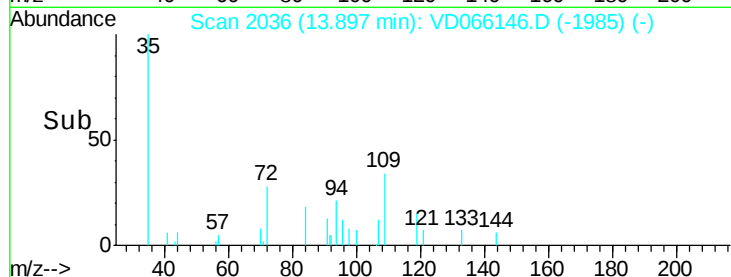
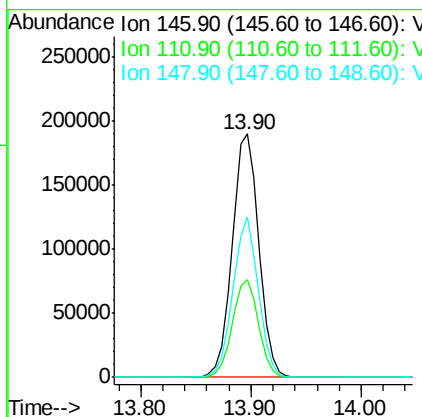
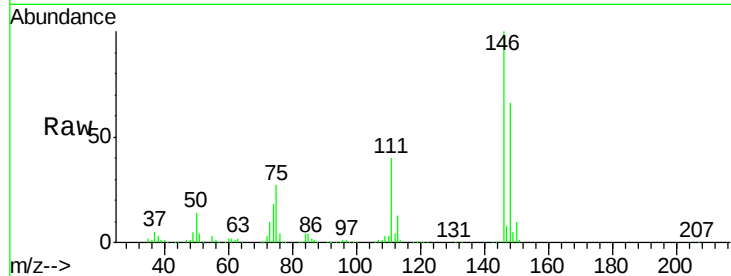
#91
 1,2-Dichlorobenzene
 Concen: 49.334 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.8	56.3
148	62.9	31.9	95.5

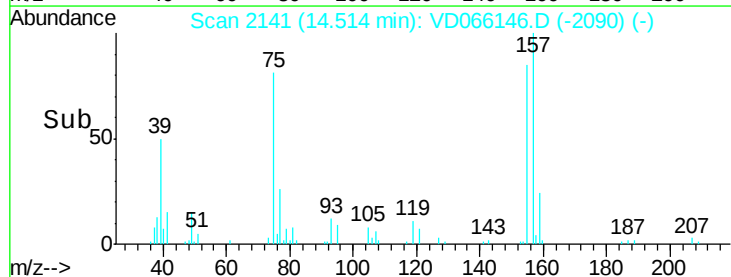
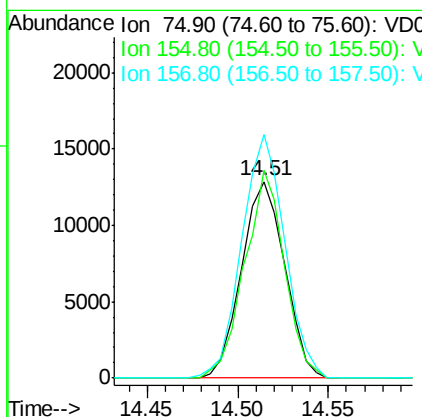
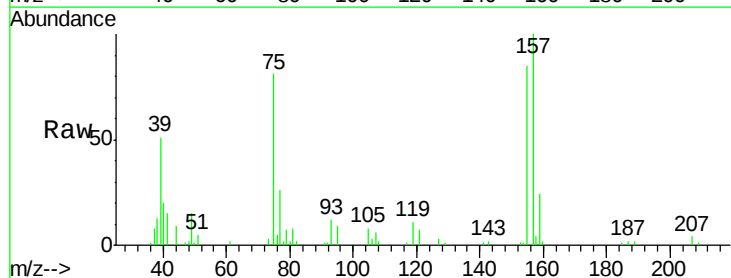
Manual Integrations
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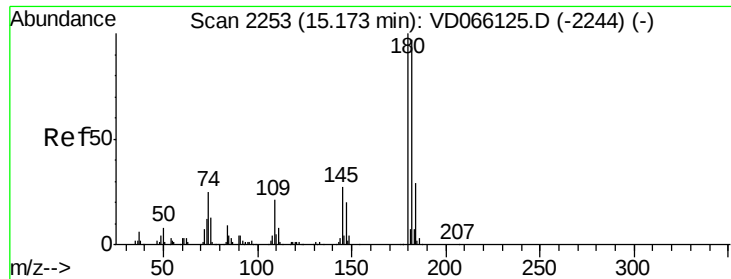
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.865 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	47.7	143.1
157	123.5	62.1	186.2





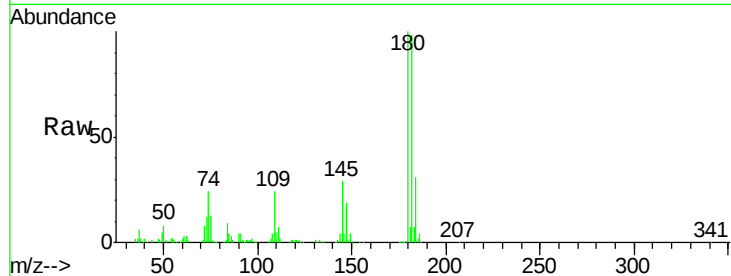
#93
 1,2,4-Trichlorobenzene
 Concen: 47.245 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

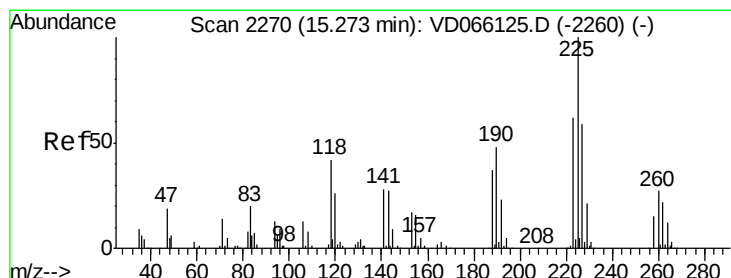
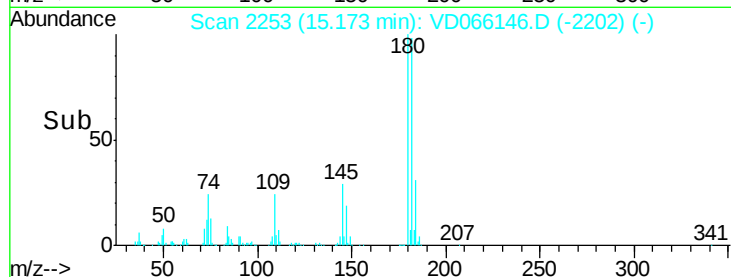
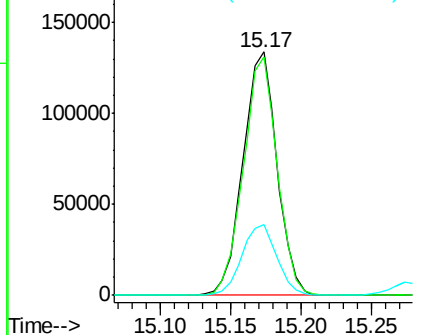
Tot Ion	Ratio	Resp	Lower	Upper
180	100	226030		
182	97.1		47.4	142.2
145	29.8		14.5	43.6

Manual Integrations
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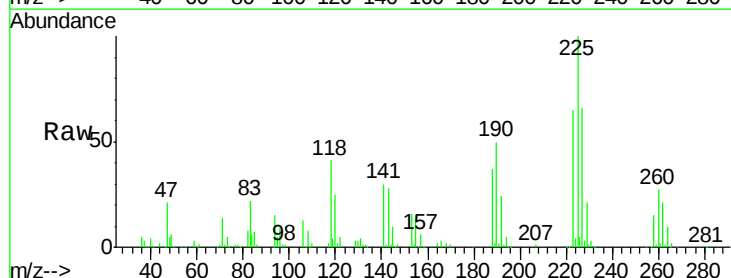


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

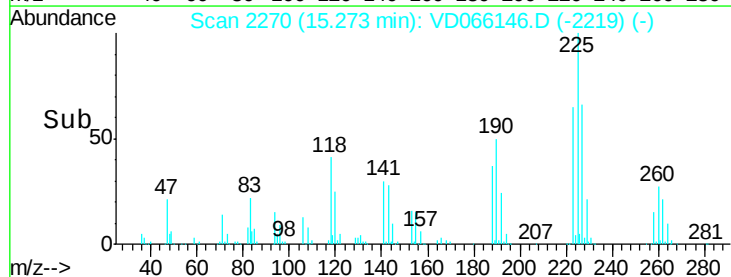
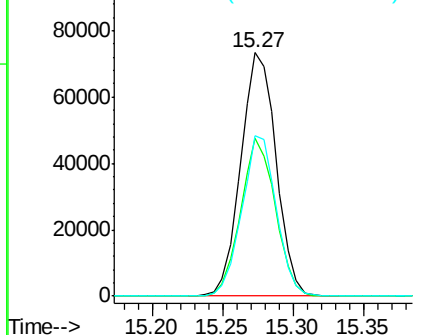


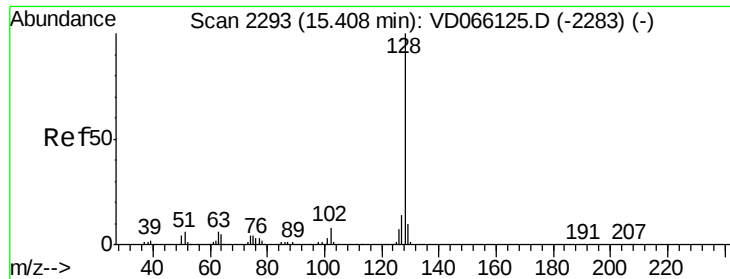
#94
 Hexachlorobutadiene
 Concen: 45.588 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066146.D
 Acq: 06 Aug 2020 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128434		
223	63.4		32.3	96.9
227	64.4		32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.550 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Instrument :

MSVOA_D

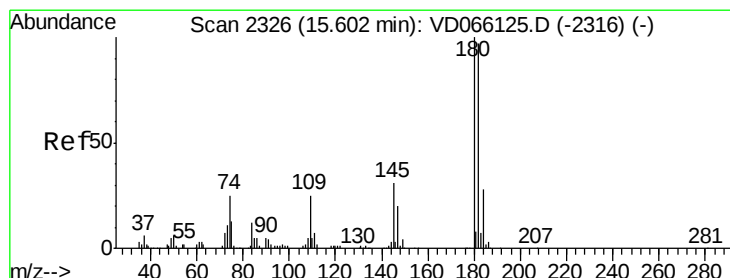
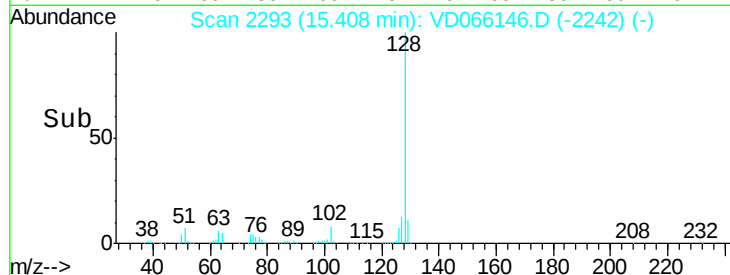
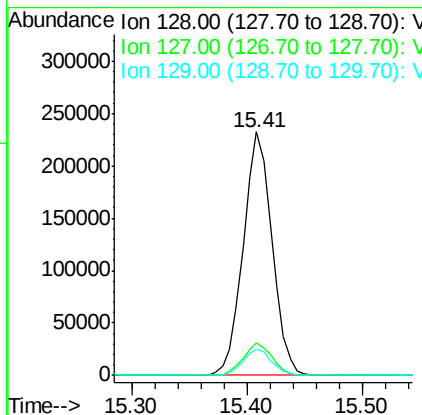
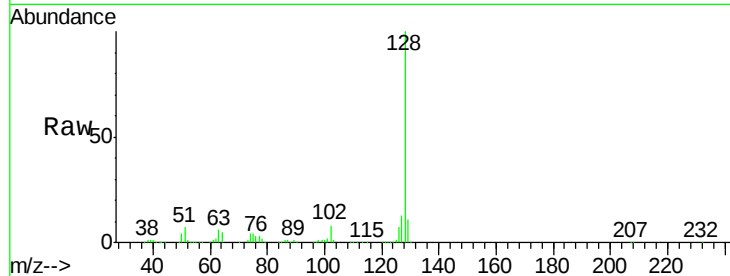
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	401855
Ion Ratio	Lower	Upper	
128	100		
127	13.5	11.0	16.4
129	11.0	8.8	13.2

Manual Integrations
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8/7/2020 12:48:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.035 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066146.D

Acq: 06 Aug 2020 20:35

Tgt Ion:	180	Resp:	202872
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.4
145	31.0	14.9	44.9

