

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081220\
 Data File : VD066200.D
 Acq On : 12 Aug 2020 13:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 4:20:59 PM

Quant Time: Aug 12 16:06:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	299276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	423270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	390927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	140863	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	7.91	113	138258	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.33	98	516392	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.63	95	183336	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	121251	45.985	ug/l	98
3) Chloromethane	2.20	50	83675	40.795	ug/l	96
4) Vinyl Chloride	2.34	62	87039	47.932	ug/l	100
5) Bromomethane	2.76	94	57672	47.870	ug/l	97
6) Chloroethane	2.91	64	54587	48.972	ug/l	96
7) Trichlorofluoromethane	3.27	101	244721	51.693	ug/l	95
8) Diethyl Ether	3.70	74	66241	49.589	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	144940	51.588	ug/l	99
10) Methyl Iodide	4.29	142	140111	54.135	ug/l	98
11) Tert butyl alcohol	5.21	59	51318	258.723	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	130063	49.073	ug/l	97
13) Acrolein	3.92	56	43815	206.163	ug/l	94
14) Allyl chloride	4.71	41	195223	48.619	ug/l	96
15) Acrylonitrile	5.41	53	146668	260.559	ug/l	100
16) Acetone	4.16	43	159256	314.355	ug/l	97
17) Carbon Disulfide	4.40	76	382117	45.344	ug/l	98
18) Methyl Acetate	4.71	43	60511	47.024	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	318546	52.436	ug/l	99
20) Methylene Chloride	4.96	84	148035	50.972	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	151590	49.788	ug/l	96
22) Diisopropyl ether	6.35	45	395748	49.840	ug/l	93
23) Vinyl Acetate	6.30	43	1225439	263.434	ug/l	100
24) 1,1-Dichloroethane	6.26	63	249487	50.771	ug/l	98
25) 2-Butanone	7.20	43	196535	263.759	ug/l	98
26) 2,2-Dichloropropane	7.20	77	242848	55.139	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	165856	51.935	ug/l	99
28) Bromochloromethane	7.54	49	89978	52.133	ug/l	98
29) Tetrahydrofuran	7.56	42	117932	255.453	ug/l	99
30) Chloroform	7.70	83	269183	52.169	ug/l	96
31) Cyclohexane	7.97	56	216675	46.321	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	261068	53.963	ug/l	99
36) 1,1-Dichloropropene	8.10	75	210211	52.851	ug/l	100
37) Ethyl Acetate	7.28	43	84014	53.311	ug/l	99
38) Carbon Tetrachloride	8.08	117	245776	55.411	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	254148	52.858	ug/l	98
40) Benzene	8.34	78	562700	50.998	ug/l	97
41) Methacrylonitrile	7.53	41	52322m	56.467	ug/l	
42) 1,2-Dichloroethane	8.41	62	177068	54.627	ug/l	99
43) Isopropyl Acetate	8.44	43	165234	53.215	ug/l	100
44) Trichloroethene	9.10	130	173346	52.136	ug/l	95
45) 1,2-Dichloropropane	9.38	63	136670	50.645	ug/l	99
46) Dibromomethane	9.47	93	80491	54.150	ug/l	99
47) Bromodichloromethane	9.66	83	211844	53.923	ug/l	95
48) Methyl methacrylate	9.45	41	78651	49.607	ug/l	86
49) 1,4-Dioxane	9.46	88	20148	1055.033	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	433291	271.669	ug/l	99
52) Toluene	10.40	92	385616	53.112	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	203776	54.656	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	235319	53.871	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	108394	50.642	ug/l	96
56) Ethyl methacrylate	10.66	69	141756	55.131	ug/l	99
57) 1,3-Dichloropropane	10.94	76	190048	53.484	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	330672	285.905	ug/l	100
59) 2-Hexanone	10.98	43	320087	285.959	ug/l	96
60) Dibromochloromethane	11.14	129	160046	54.161	ug/l	98
61) 1,2-Dibromoethane	11.24	107	110103	53.488	ug/l	98
64) Tetrachloroethene	10.87	164	156732	52.211	ug/l	98
65) Chlorobenzene	11.67	112	420248	52.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	163961	52.804	ug/l	98
67) Ethyl Benzene	11.74	91	749596	54.507	ug/l	99
68) m/p-Xylenes	11.85	106	570706	107.111	ug/l	97
69) o-Xylene	12.18	106	262482	54.155	ug/l	99
70) Styrene	12.19	104	460322	54.192	ug/l	98
71) Bromoform	12.36	173	100016	54.365	ug/l #	100
73) Isopropylbenzene	12.48	105	748208	54.871	ug/l	100
74) N-amyl acetate	12.28	43	165797	55.216	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	123798	53.243	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	78391m	46.017	ug/l	
77) Bromobenzene	12.76	156	187584	53.440	ug/l	99
78) n-propylbenzene	12.82	91	873292	55.095	ug/l	99
79) 2-Chlorotoluene	12.91	91	485528	53.557	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	635506	55.728	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	43290	56.175	ug/l	98
82) 4-Chlorotoluene	13.00	91	525582	54.920	ug/l	99
83) tert-Butylbenzene	13.23	119	554234	55.264	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	627686	55.000	ug/l	100
85) sec-Butylbenzene	13.40	105	752755	55.594	ug/l	99
86) p-Isopropyltoluene	13.52	119	702529	55.319	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	345921	52.435	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	349596	53.136	ug/l	99
89) n-Butylbenzene	13.84	91	645210	56.705	ug/l	100
90) Hexachloroethane	14.11	117	137164	54.155	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	311122	53.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21981	55.005	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	241226	56.105	ug/l	99
94) Hexachlorobutadiene	15.27	225	144098	56.914	ug/l	99
95) Naphthalene	15.41	128	402518	57.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	209075	55.084	ug/l	99

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

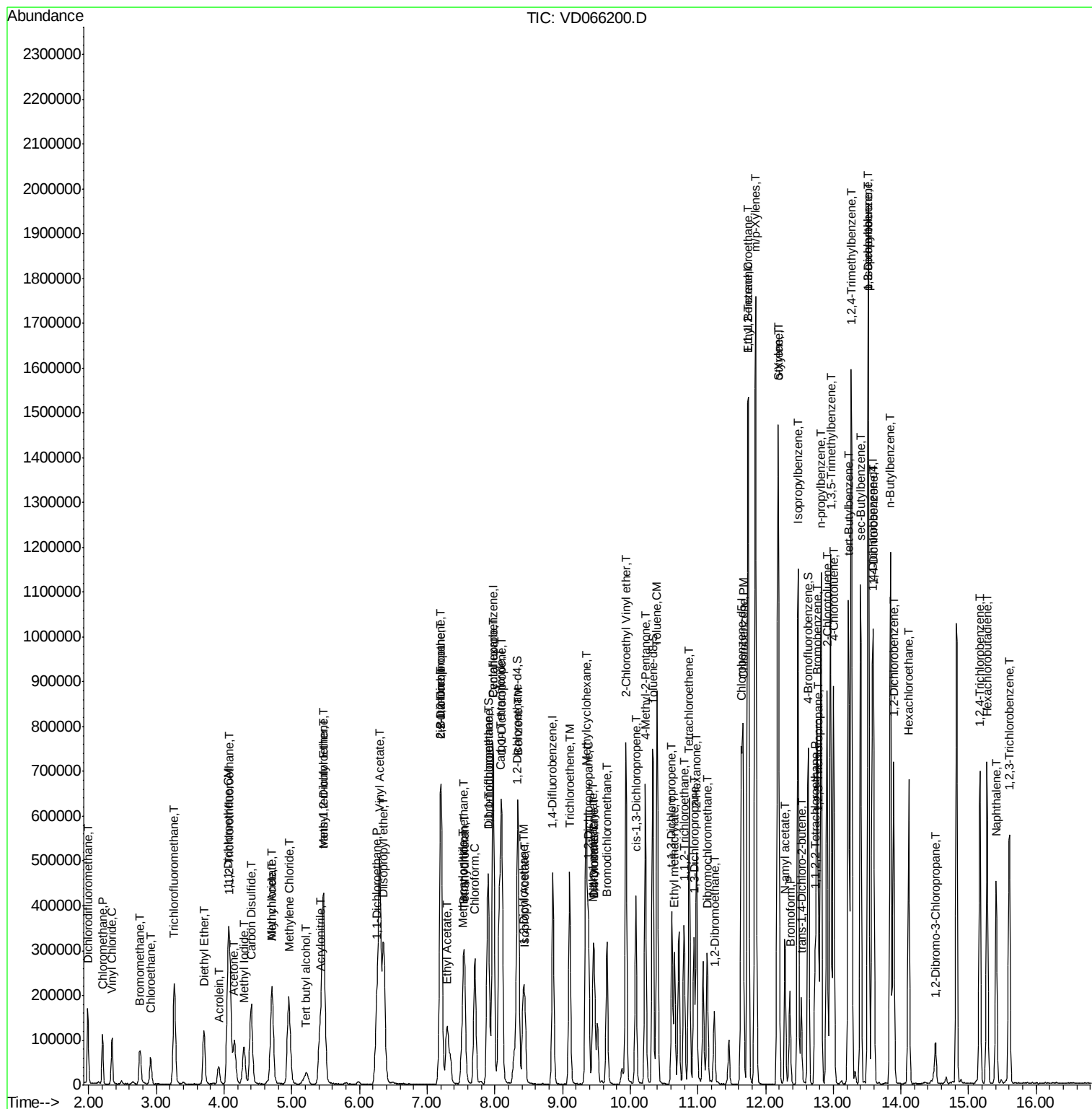
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Data File : VD066200.D
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Operator : VA/SY
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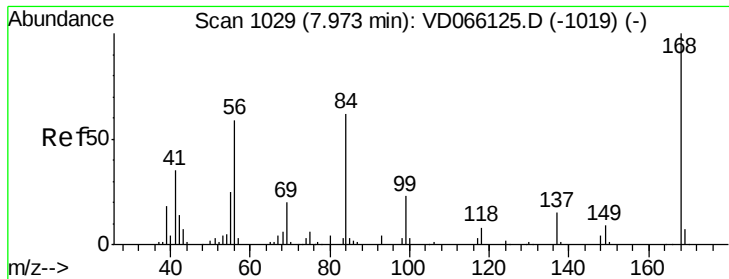
Instrument :
MSVOA_D
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 299276

Ion Ratio Lower Upper

168 100

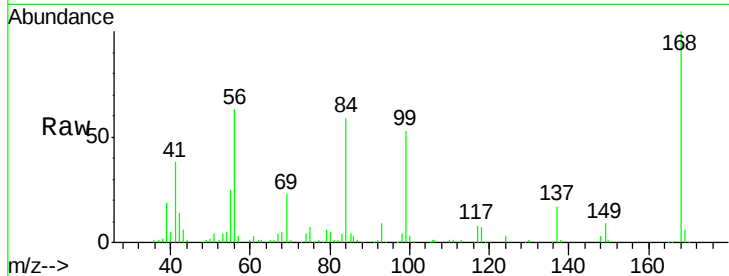
99 52.7 42.2 63.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

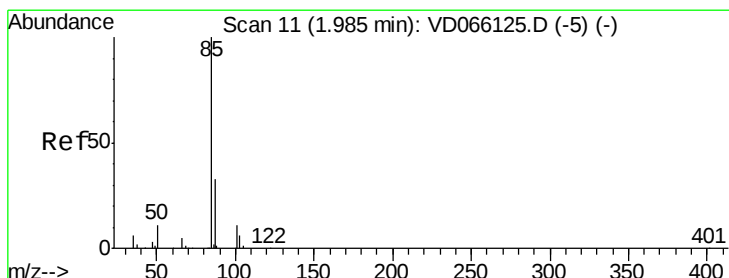
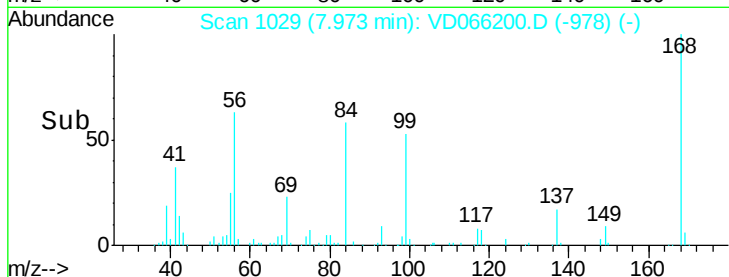
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 45.985 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066200.D

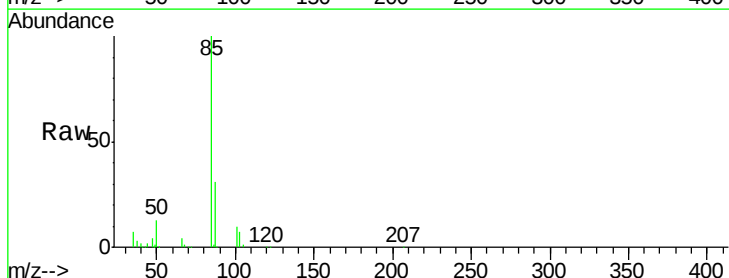
Acq: 12 Aug 2020 13:12

Tgt Ion: 85 Resp: 121251

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

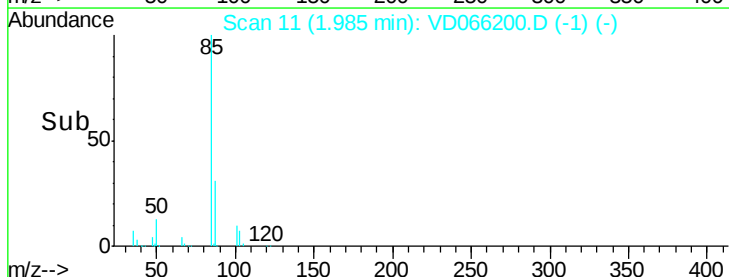
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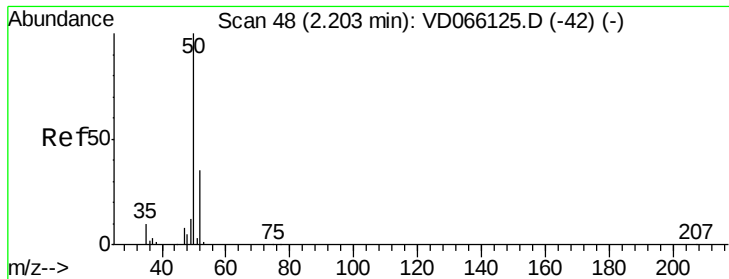
40000

20000

0

Time--> 1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 40.795 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 83675

Ion Ratio Lower Upper

50 100

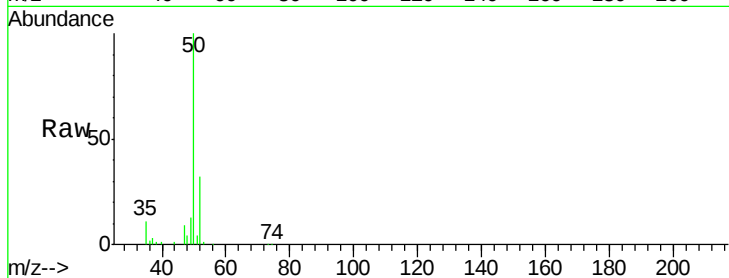
52 32.5 27.9 41.9

Manual Integrations

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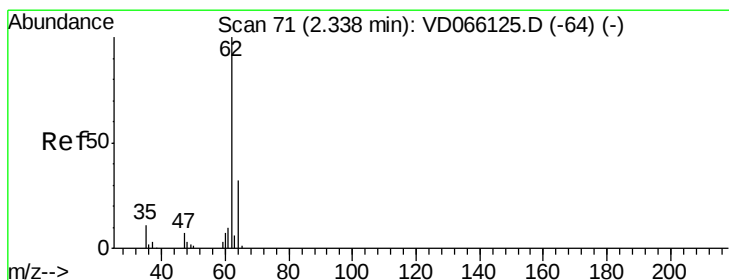
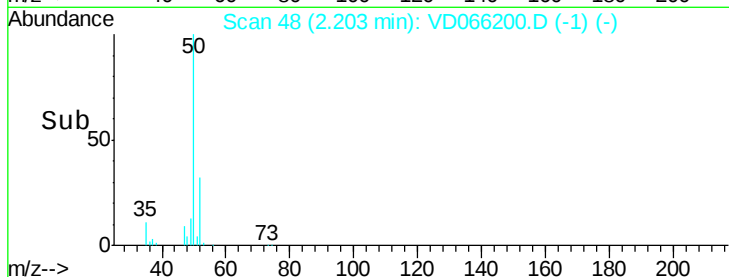
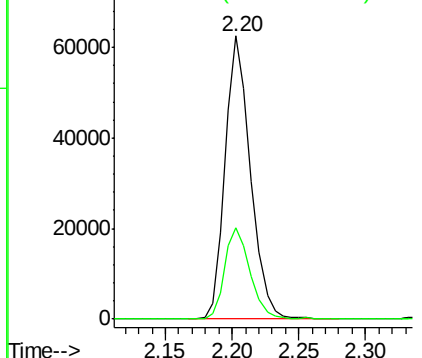
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.932 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066200.D

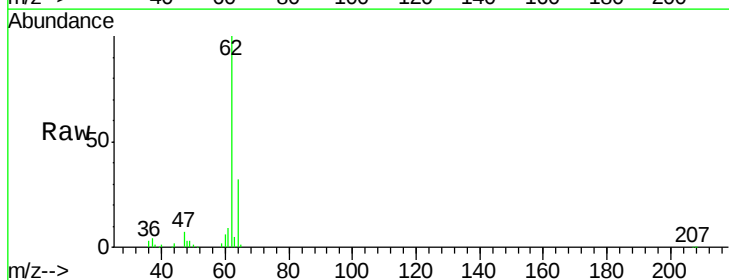
Acq: 12 Aug 2020 13:12

Tgt Ion: 62 Resp: 87039

Ion Ratio Lower Upper

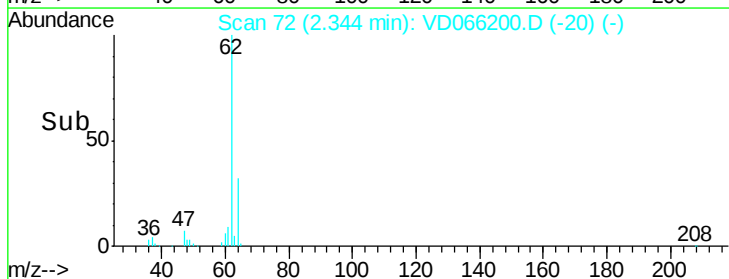
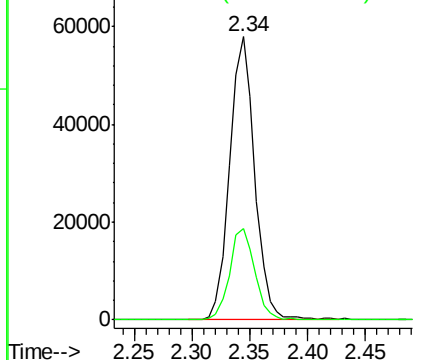
62 100

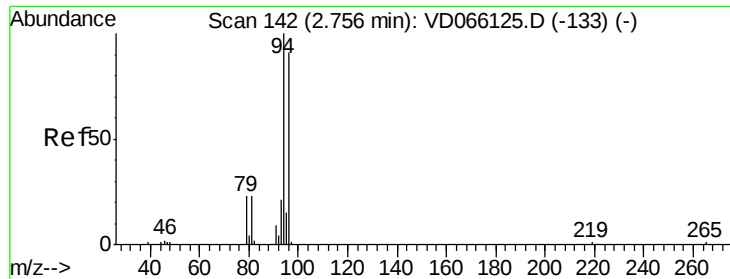
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.870 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 57672

Ion Ratio Lower Upper

94 100

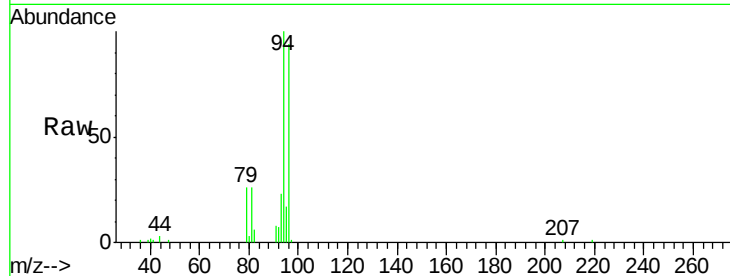
96 93.8 72.6 109.0

Manual Integrations

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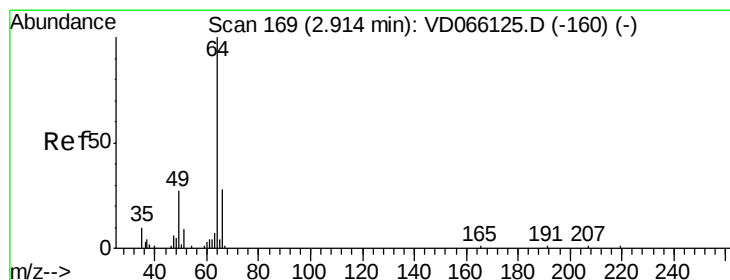
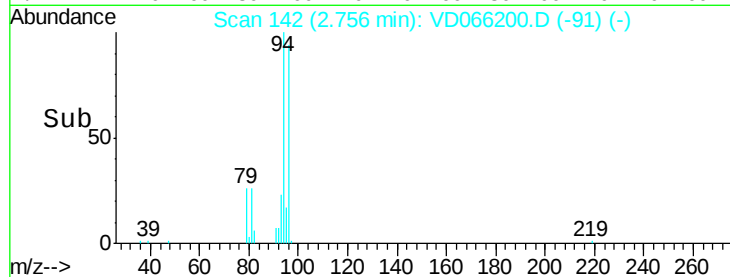
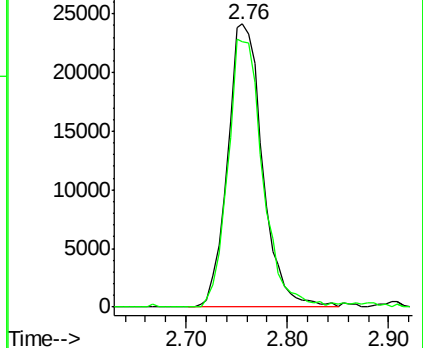
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.972 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066200.D

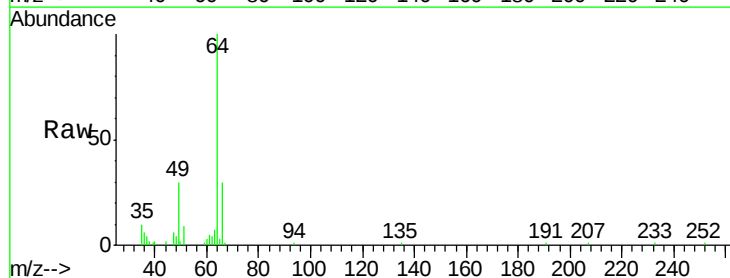
Acq: 12 Aug 2020 13:12

Tgt Ion: 64 Resp: 54587

Ion Ratio Lower Upper

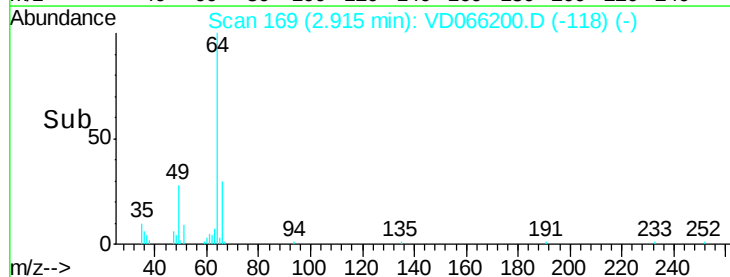
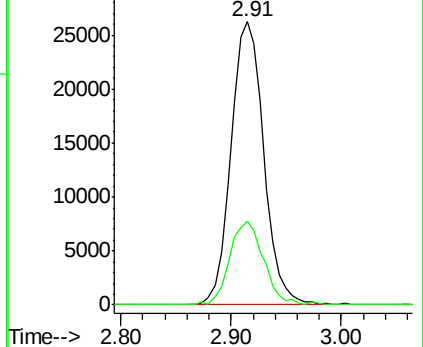
64 100

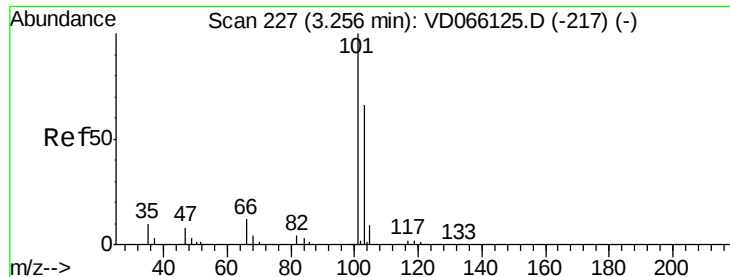
66 29.6 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

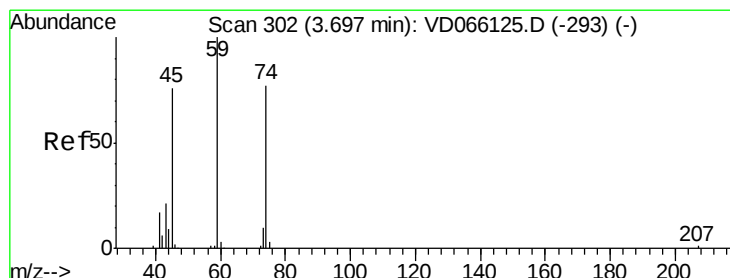
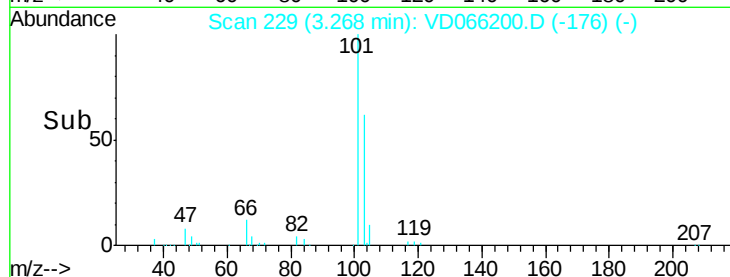
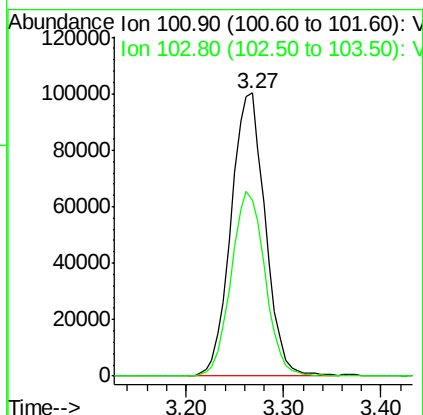
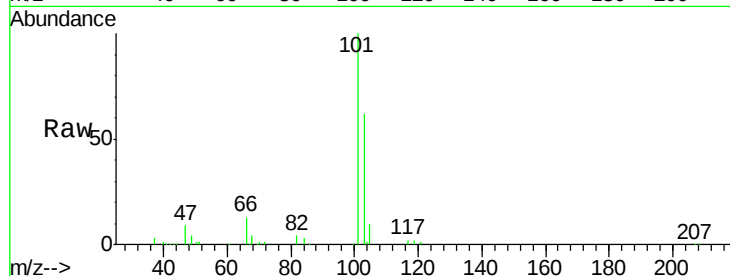
Trichlorofluoromethane
 Concen: 51.693 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		244721		
103	62.0	53.0	79.6		

Manual Integrations
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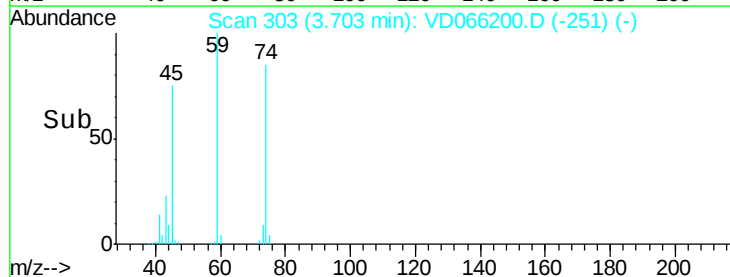
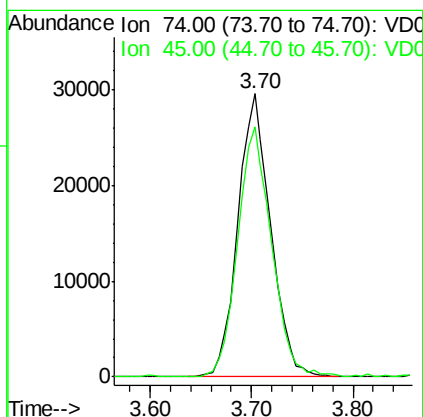
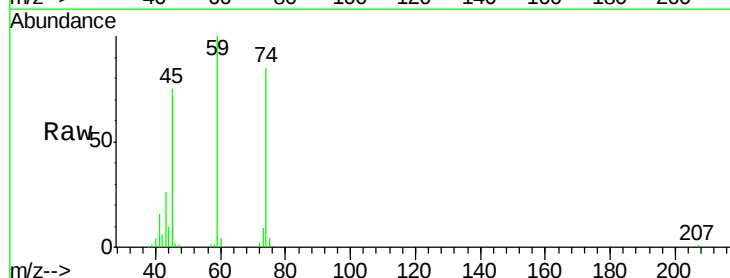
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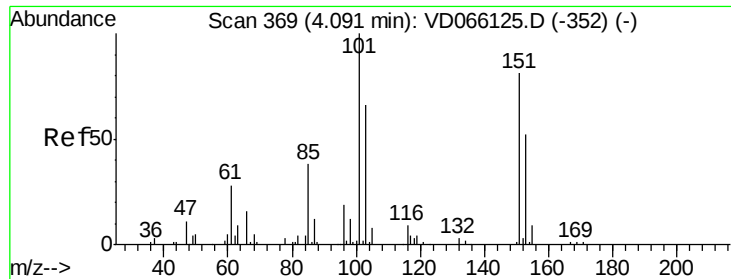


#8

Diethyl Ether
 Concen: 49.589 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		66241		
45	91.7	48.4	145.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.588 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

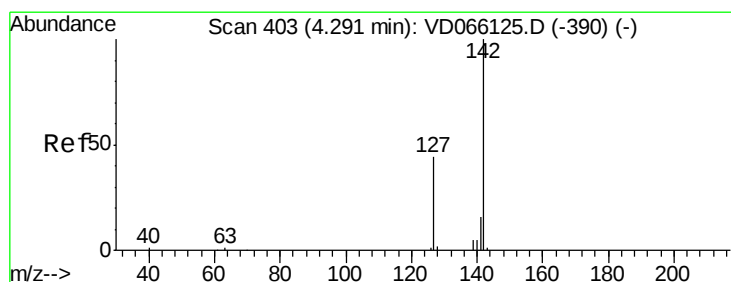
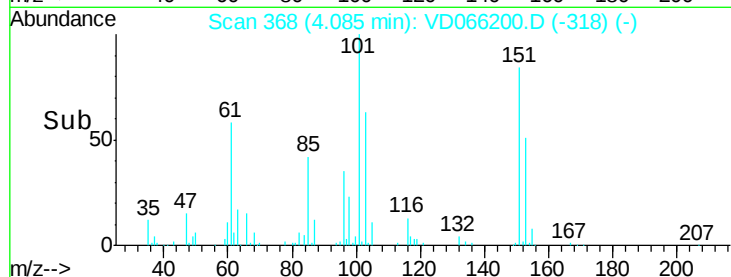
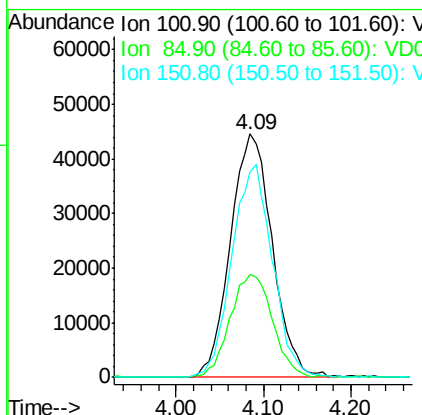
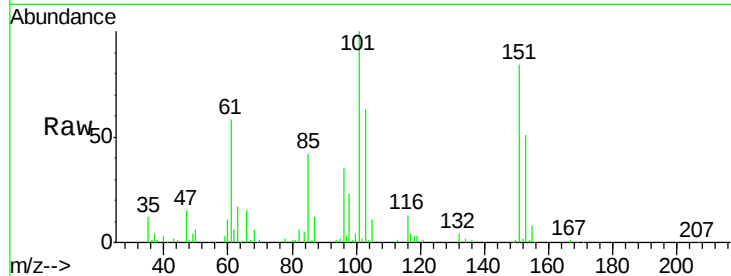
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	144940
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.5	50.3
151	84.7	67.8	101.8

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#10

Methyl Iodide

Concen: 54.135 ug/l

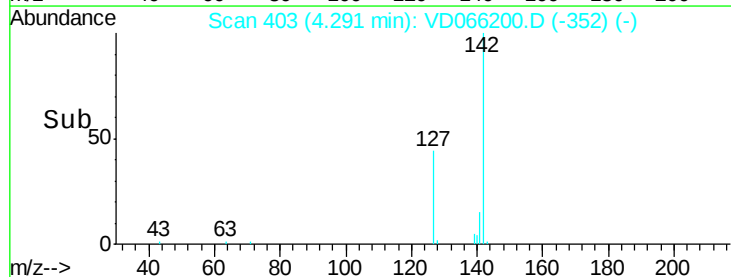
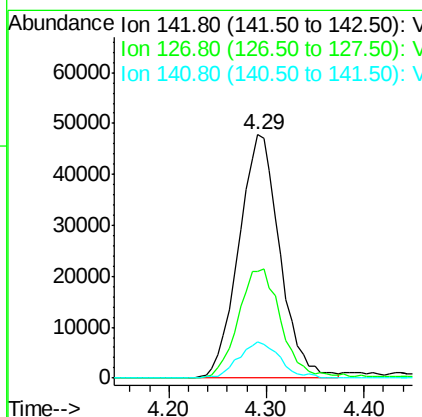
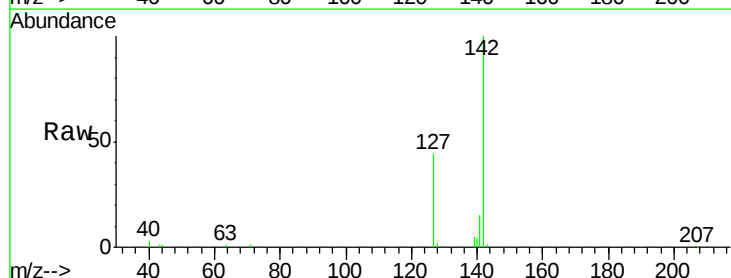
RT: 4.29 min Scan# 403

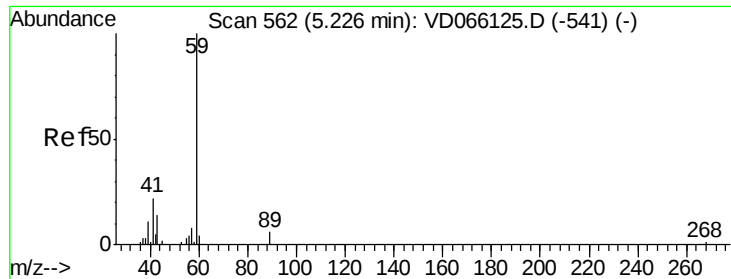
Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	142	Resp:	140111
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.2	54.4
141	15.0	12.6	18.8





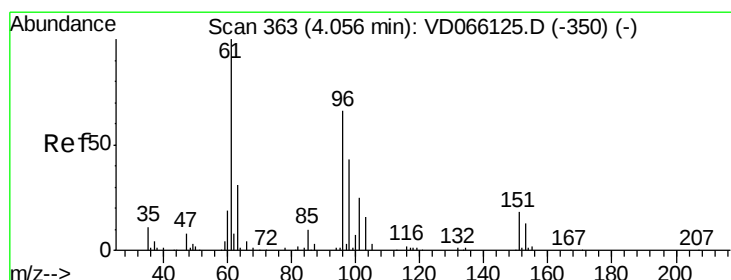
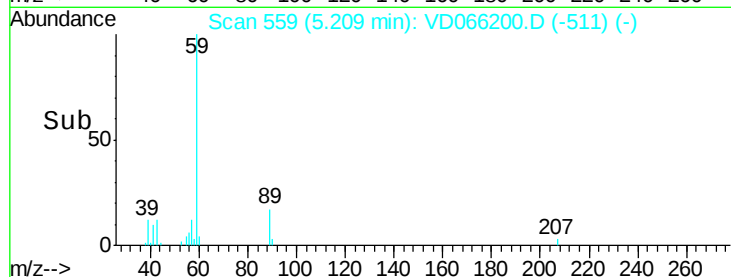
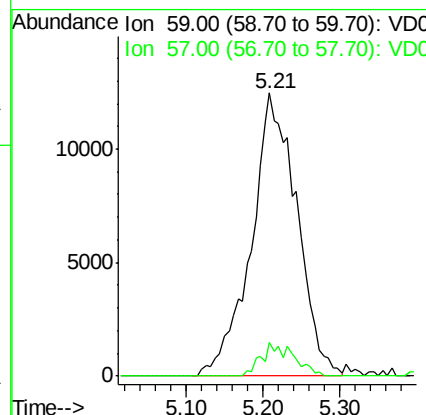
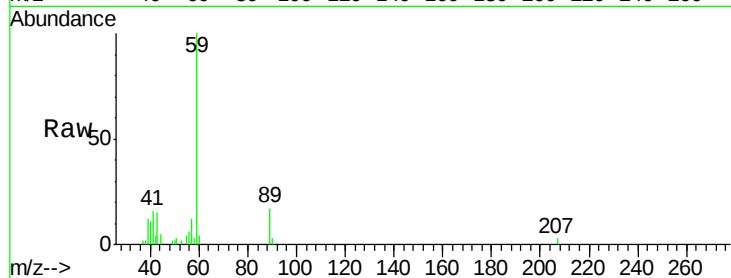
#11
Tert butyl alcohol
Concen: 258.723 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	7.0	10.4#

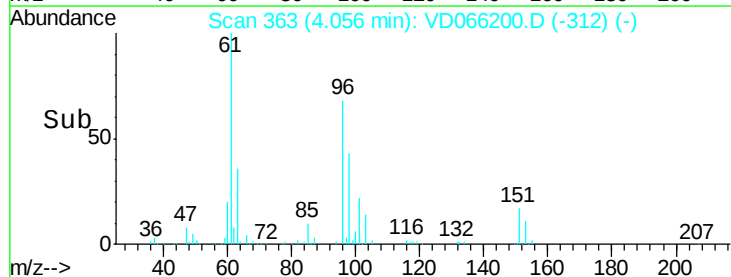
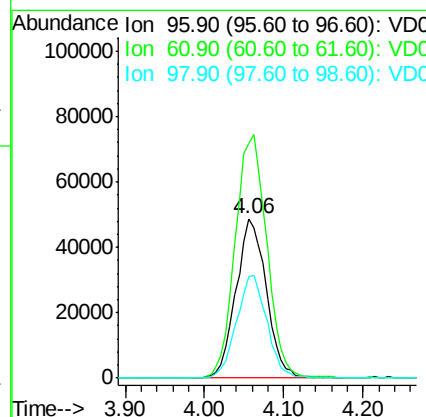
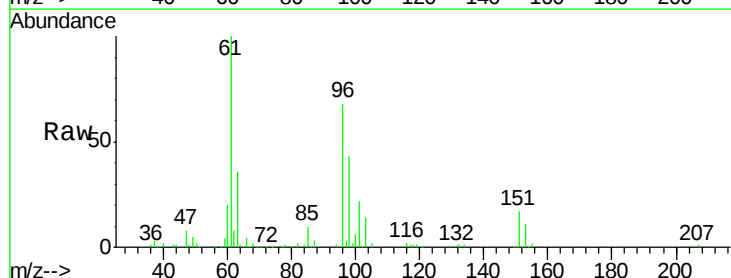
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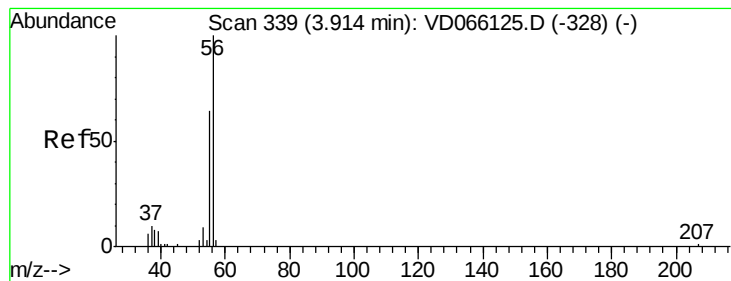
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.073 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.5	121.6	182.4
98	63.5	52.0	78.0





#13

Acrolein

Concen: 206.163 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43815

Ion Ratio Lower Upper

56 100

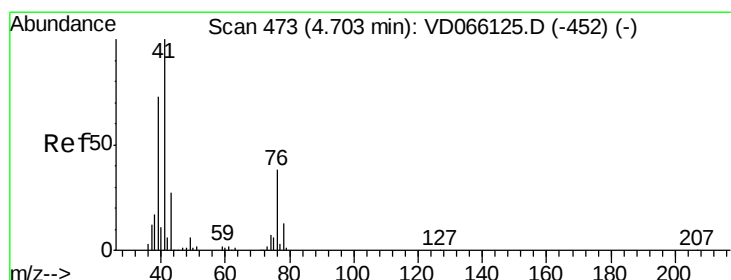
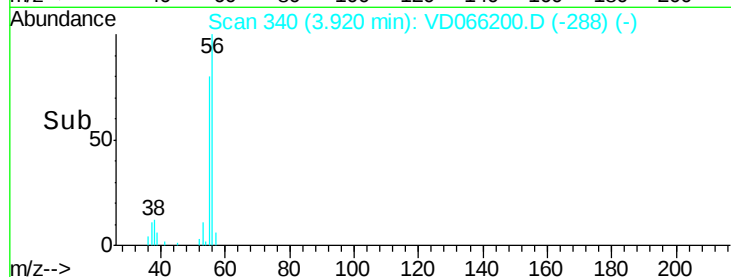
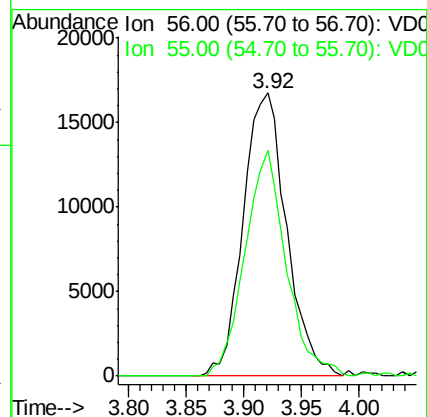
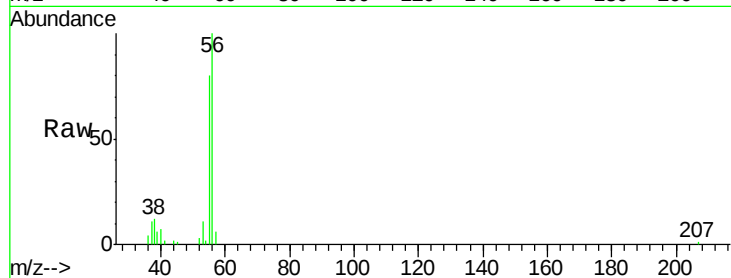
55 75.8 56.7 85.1

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#14

Allyl chloride

Concen: 48.619 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

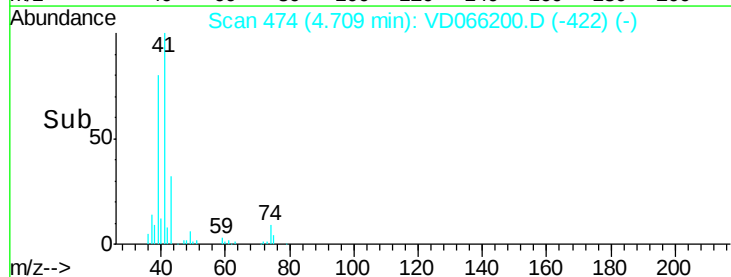
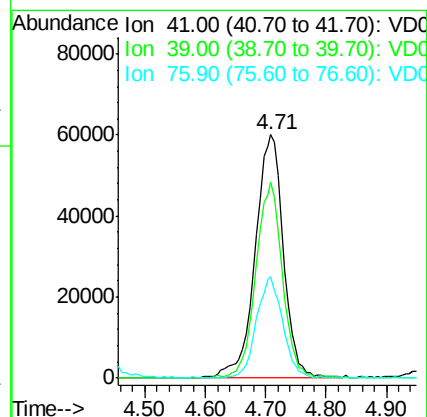
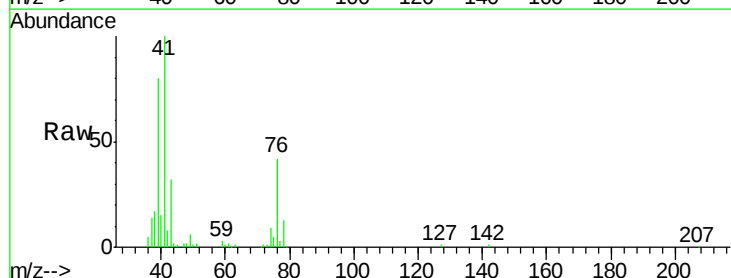
Tgt Ion: 41 Resp: 195223

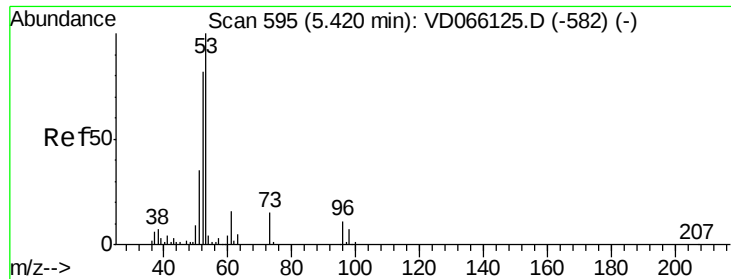
Ion Ratio Lower Upper

41 100

39 75.4 57.4 86.0

76 38.6 30.1 45.1





#15

Acrylonitrile

Concen: 260.559 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

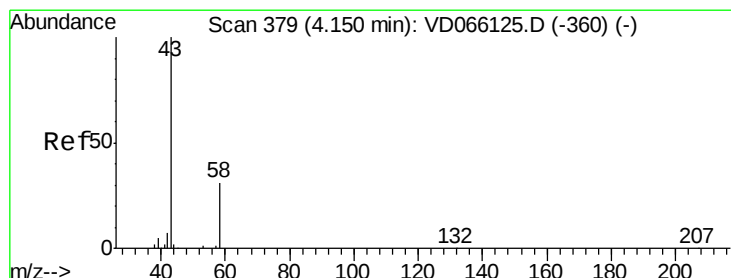
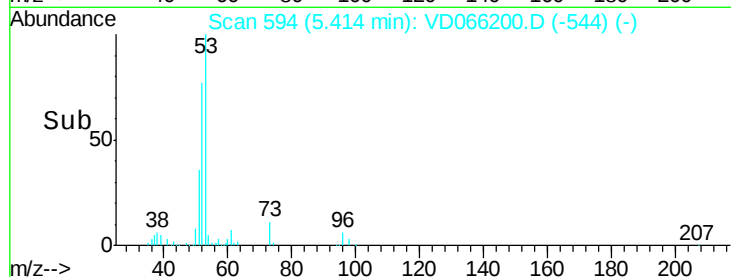
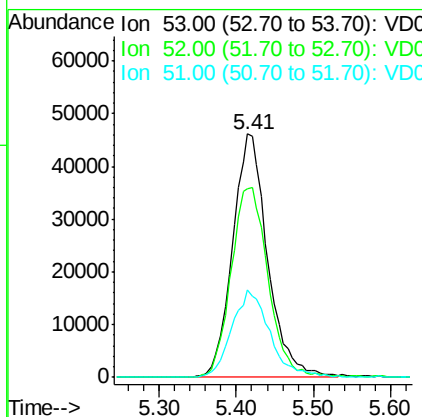
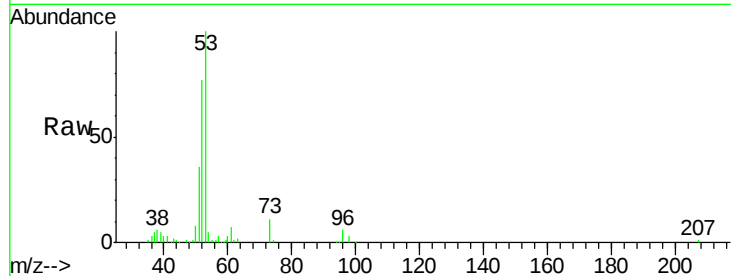
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	146668
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.1	99.1
51	38.6	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 314.355 ug/l

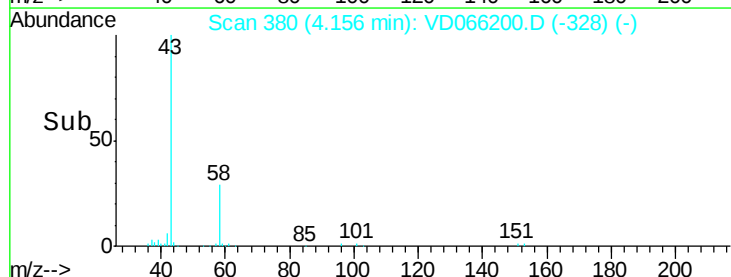
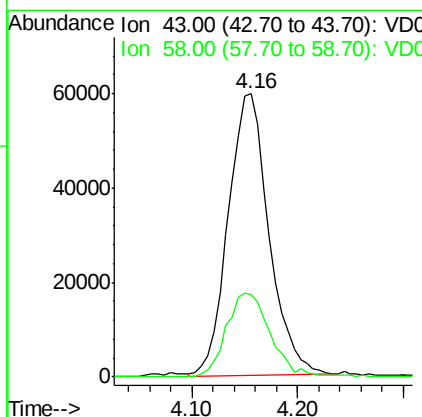
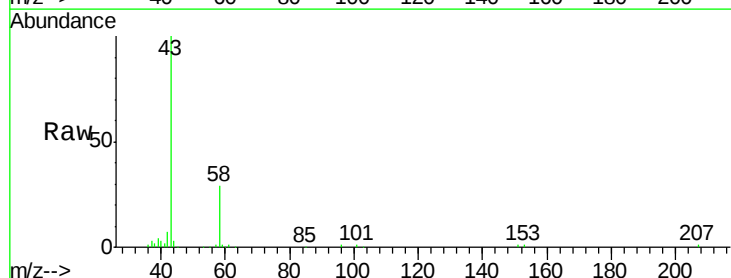
RT: 4.16 min Scan# 380

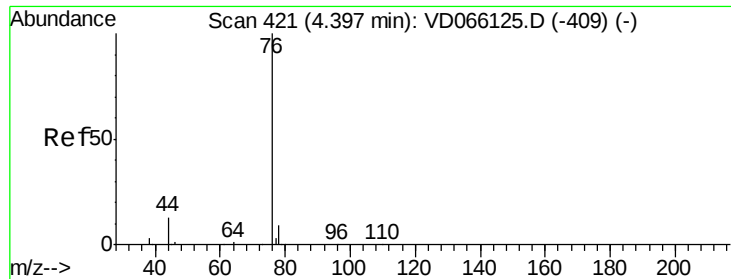
Delta R.T. 0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	43	Resp:	159256
Ion Ratio	Lower	Upper	
43	100		
58	29.2	24.7	37.1





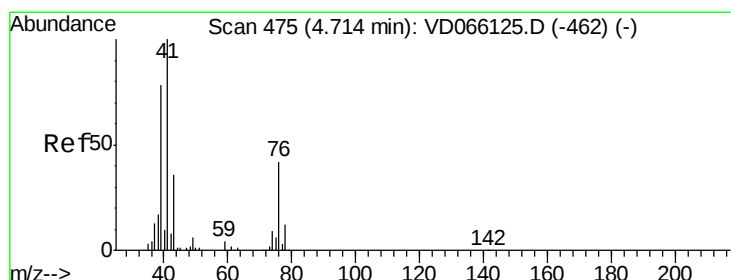
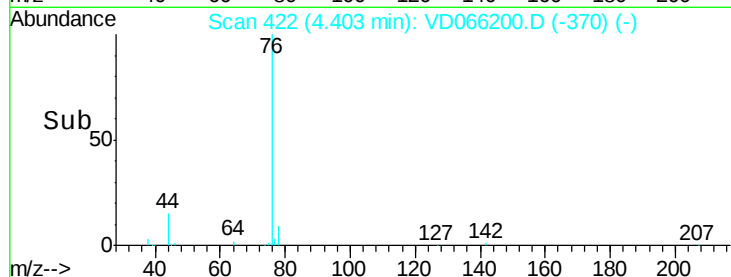
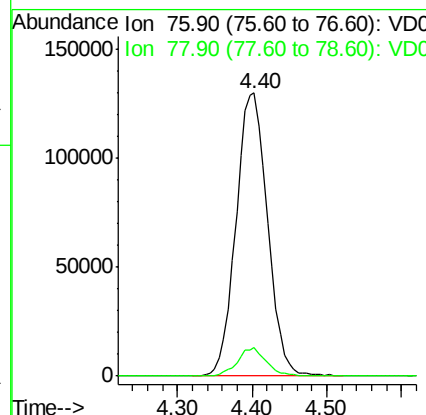
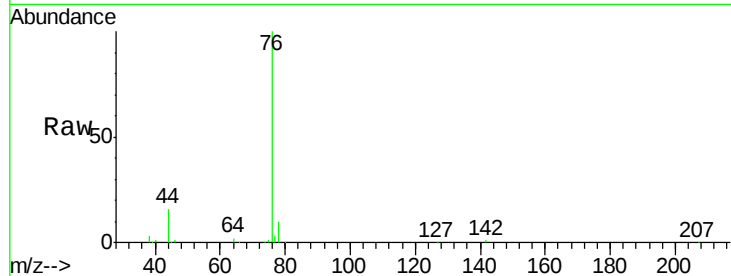
#17
Carbon Disulfide
Concen: 45.344 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.5	11.3

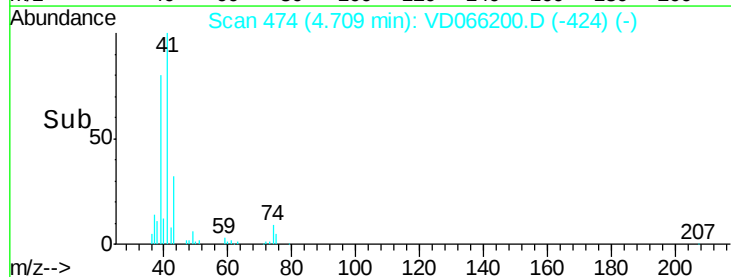
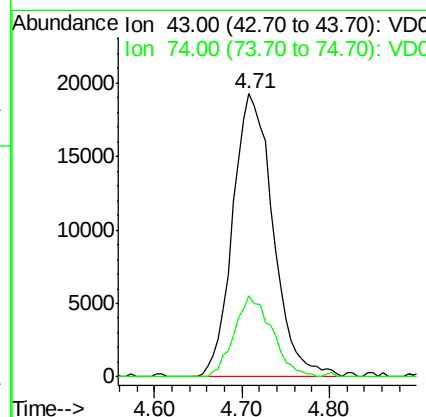
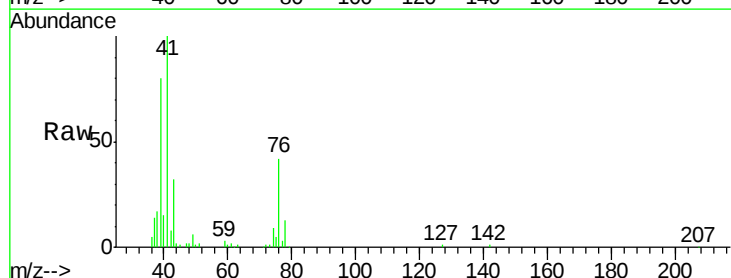
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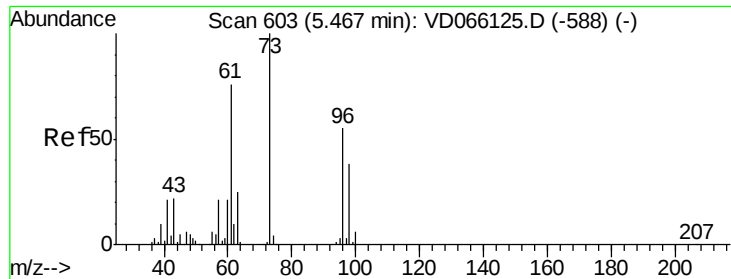
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#18
Methyl Acetate
Concen: 47.024 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.2	31.8





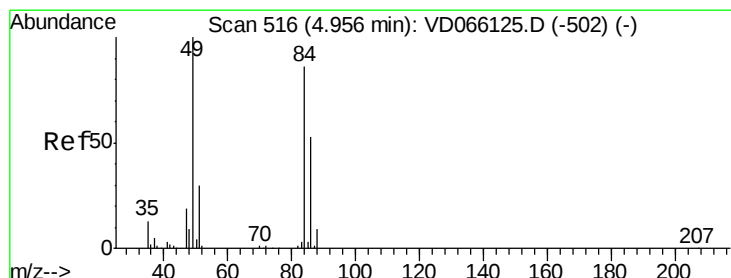
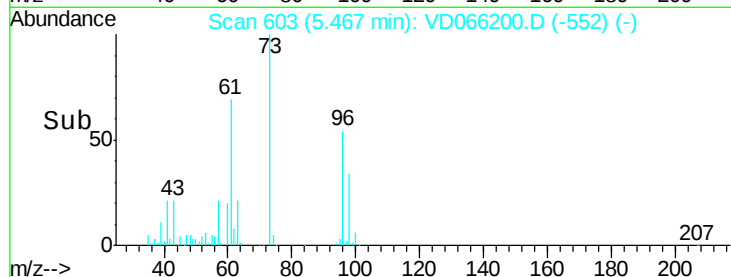
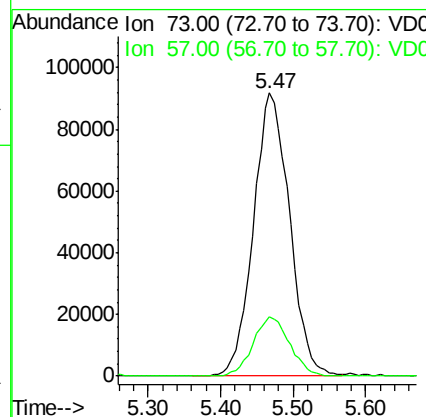
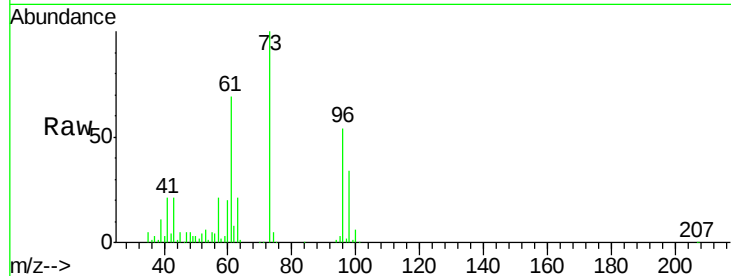
#19
Methvl tert-butvl Ether
Concen: 52.436 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 318546
Ion Ratio Lower Upper
73 100
57 21.1 17.1 25.7

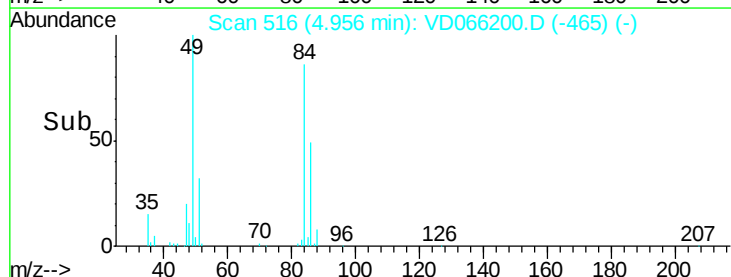
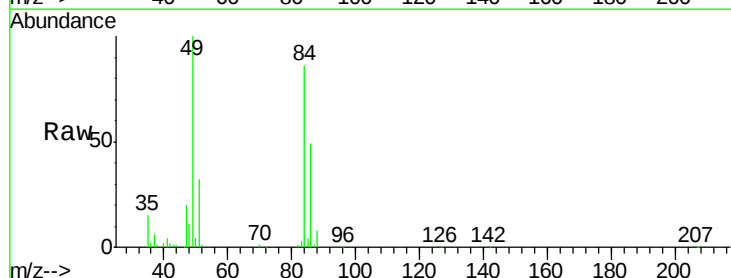
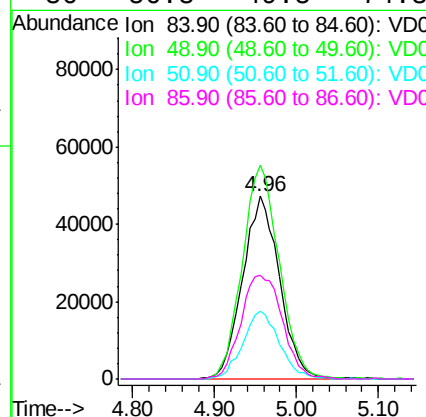
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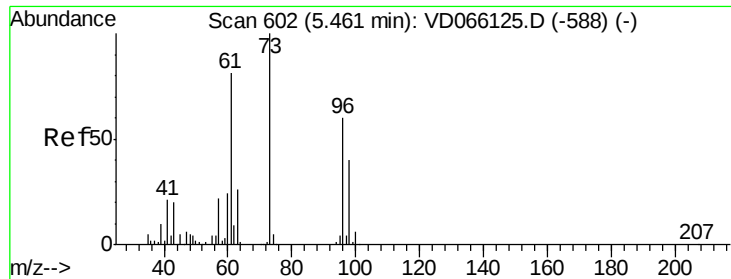
MMDadoda
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#20
Methylene Chloride
Concen: 50.972 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion: 84 Resp: 148035
Ion Ratio Lower Upper
84 100
49 117.0 93.5 140.3
51 37.0 28.2 42.4
86 56.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 49.788 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

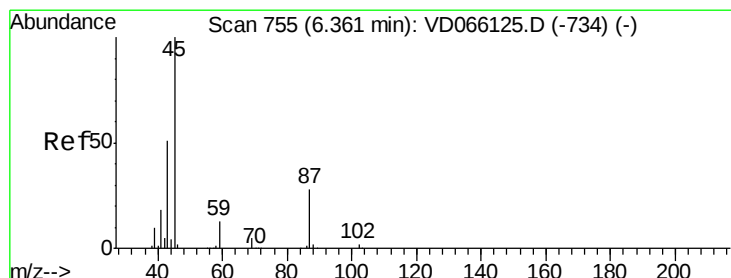
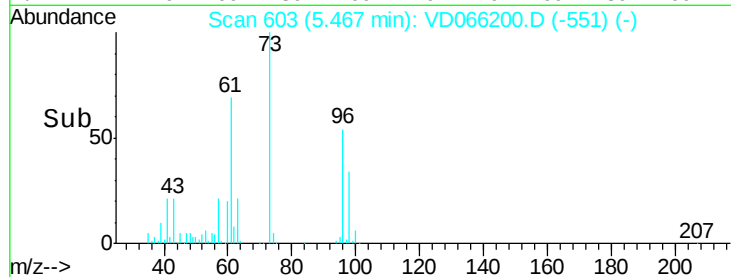
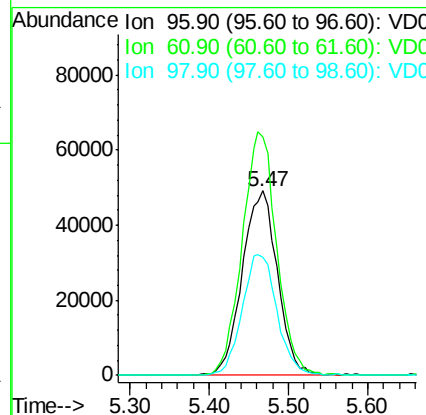
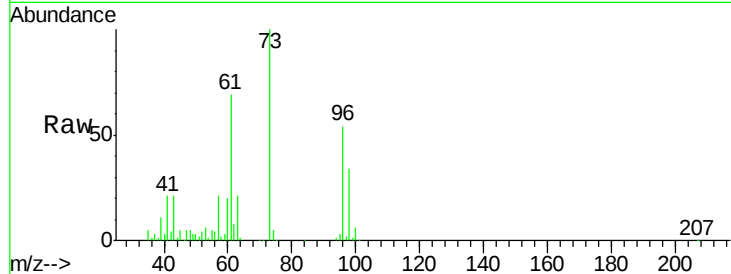
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	151590
Ion	Ratio	Lower	Upper
96	100		
61	129.0	106.9	160.3
98	64.2	53.4	80.0

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#22

Diisopropyl ether

Concen: 49.840 ug/l

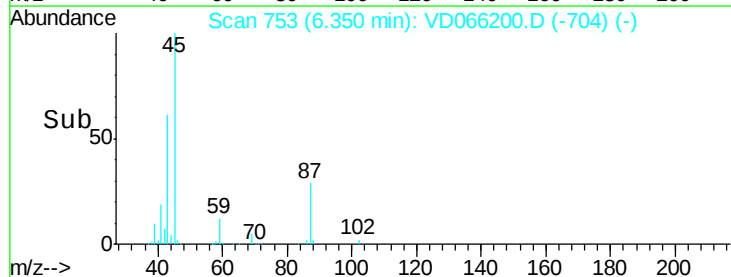
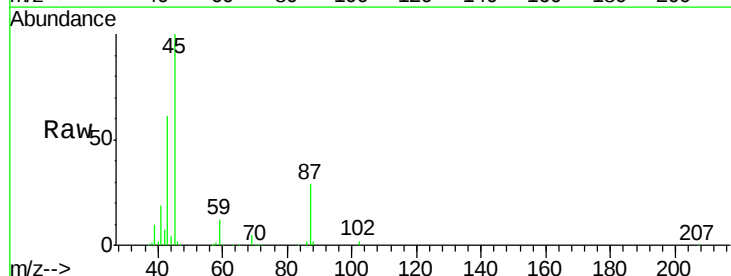
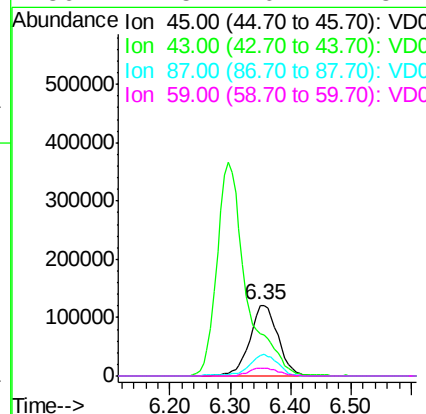
RT: 6.35 min Scan# 753

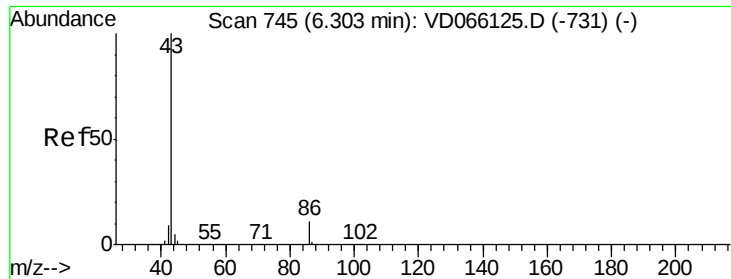
Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	45	Resp:	395748
Ion	Ratio	Lower	Upper
45	100		
43	60.0	41.2	61.8
87	29.1	22.8	34.2
59	11.5	10.2	15.2





#23

Vinyl Acetate

Concen: 263.434 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1225439

Ion Ratio Lower Upper

43 100

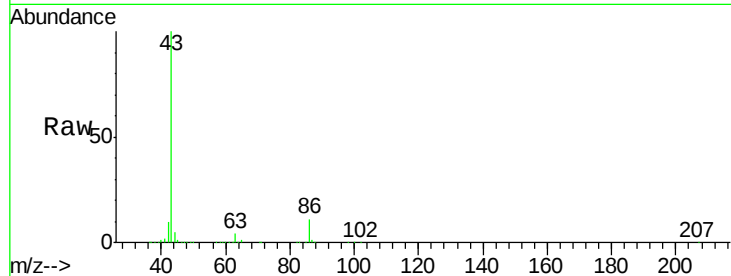
86 11.4 9.1 13.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

400000

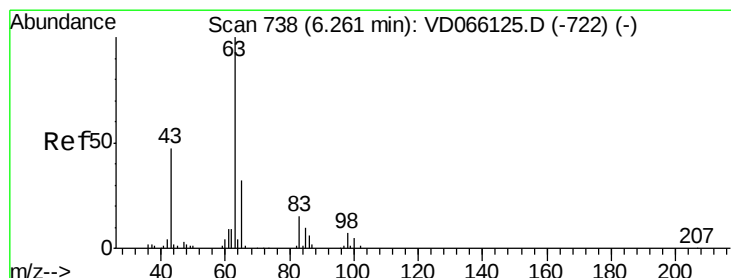
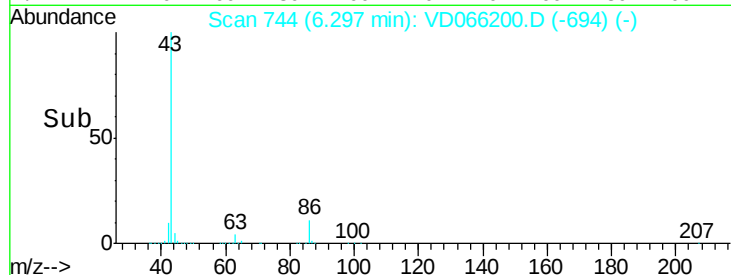
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.771 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

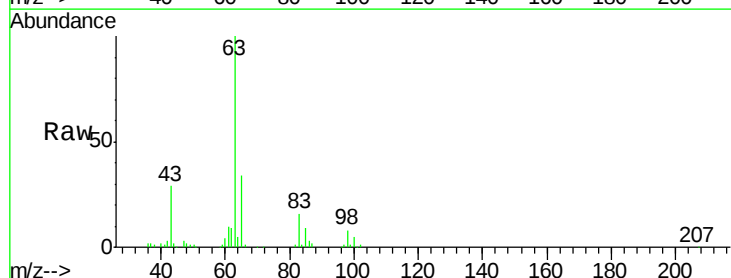
Tgt Ion: 63 Resp: 249487

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

100000

80000

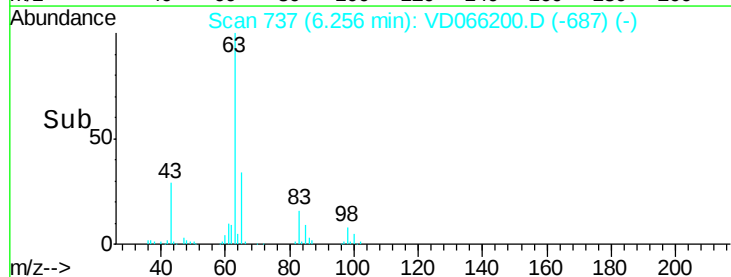
60000

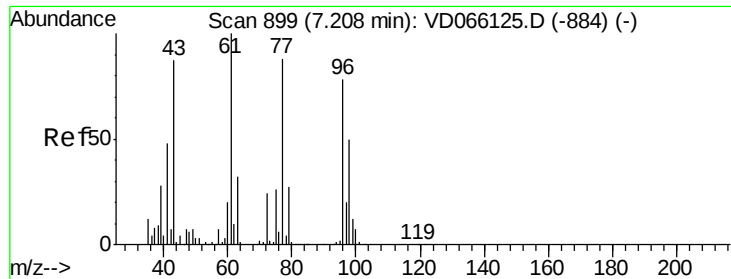
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 263.759 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 196535

Ion Ratio Lower Upper

43 100

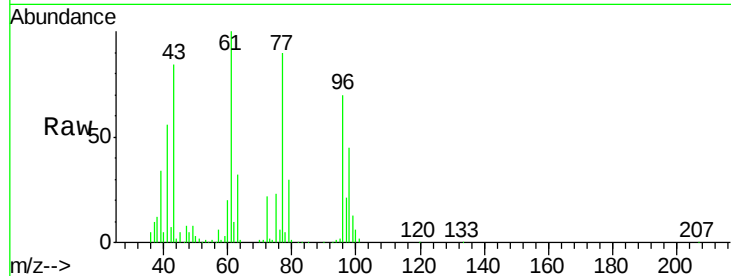
72 26.6 22.2 33.2

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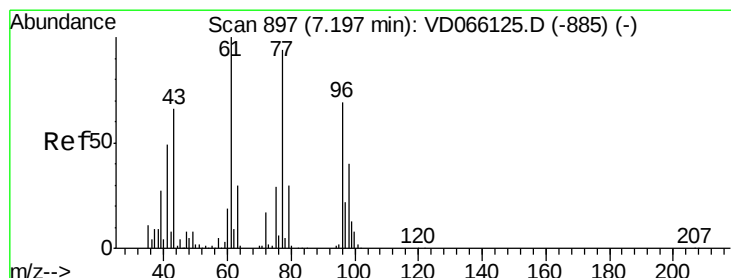
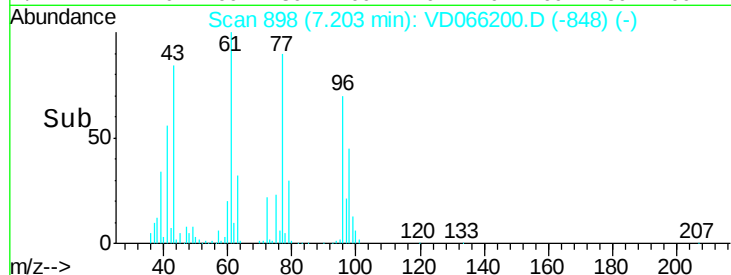
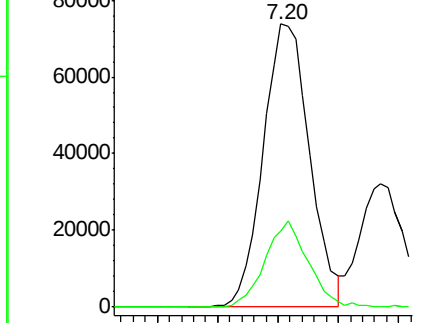
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.139 ug/l

RT: 7.20 min Scan# 897

Delta R.T. 0.00 min

Lab File: VD066200.D

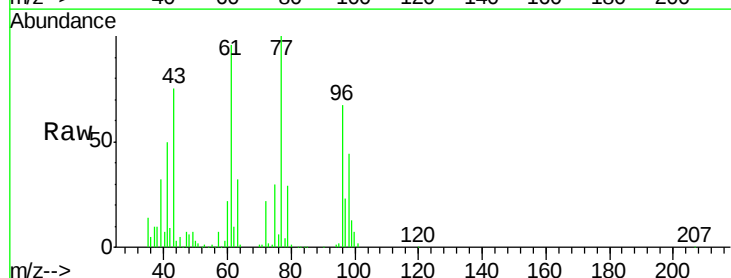
Acq: 12 Aug 2020 13:12

Tgt Ion: 77 Resp: 242848

Ion Ratio Lower Upper

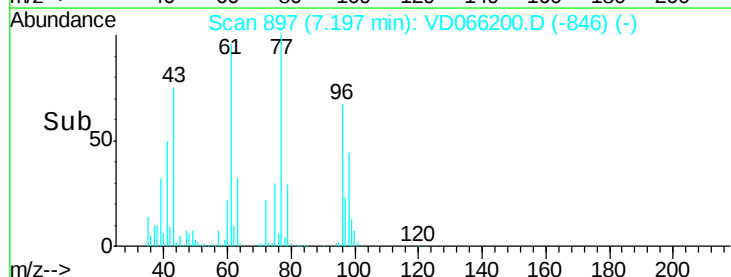
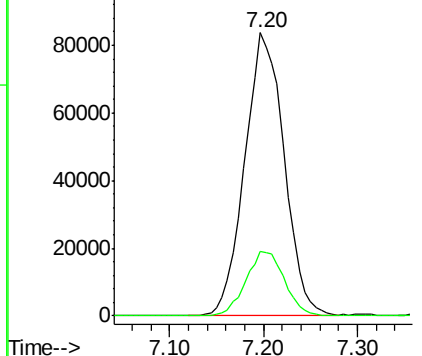
77 100

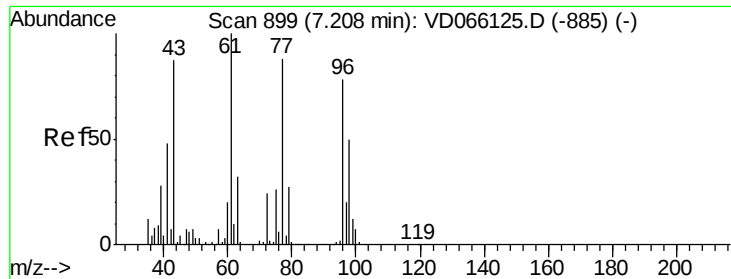
97 22.3 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





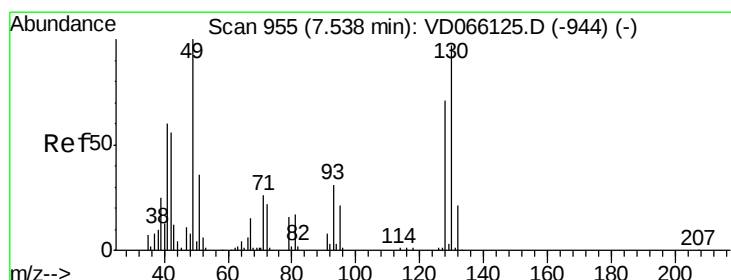
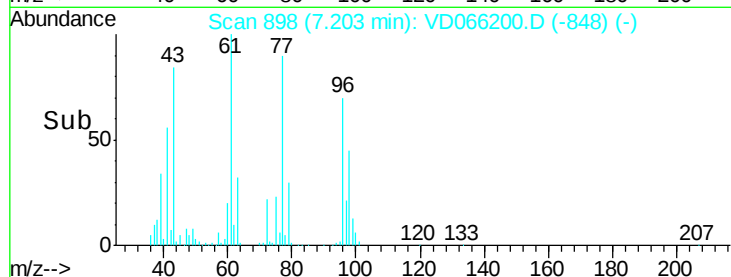
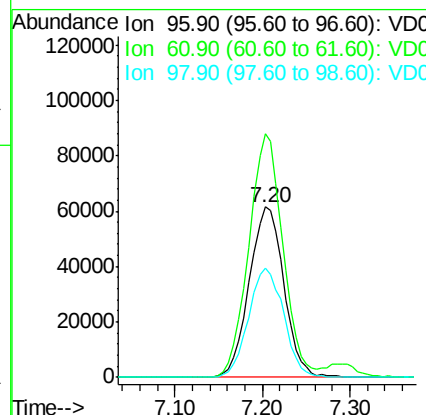
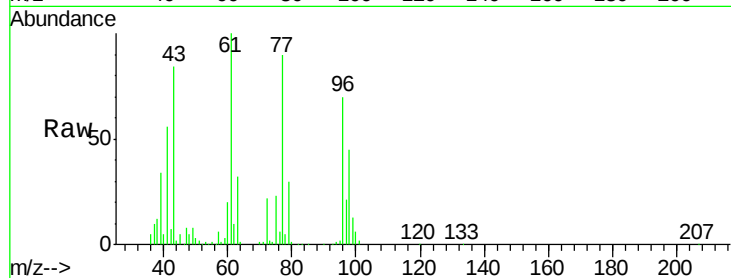
#27
 cis-1,2-Dichloroethene
 Concen: 51.935 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165856		
61	140.0	0.0	281.6	
98	64.9	0.0	130.8	

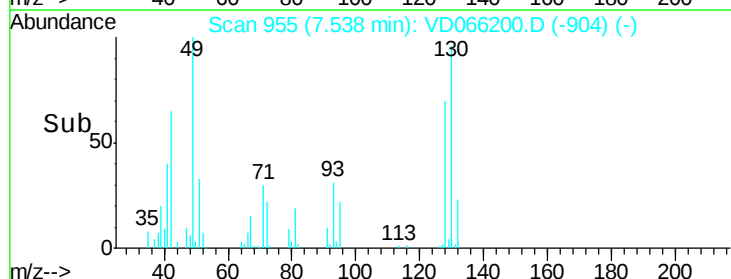
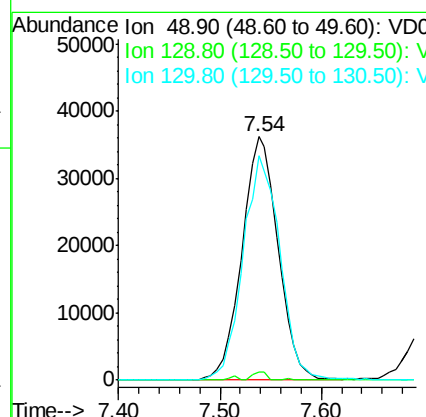
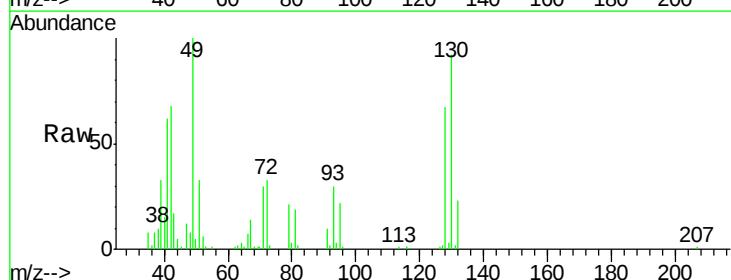
Manual Integrations
 APPROVED

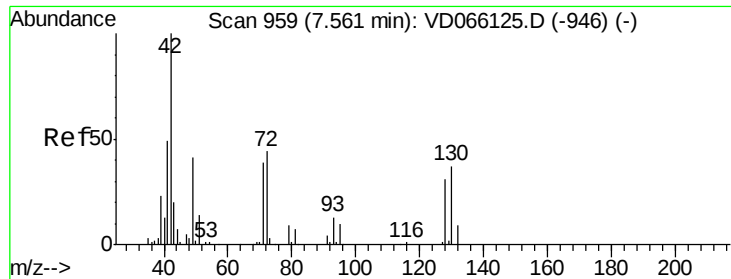
MMDadoda
 8/13/2020 4:20:59 PM



#28
 Bromochloromethane
 Concen: 52.133 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89978		
129	1.3	0.0	6.0	
130	94.0	73.8	110.6	





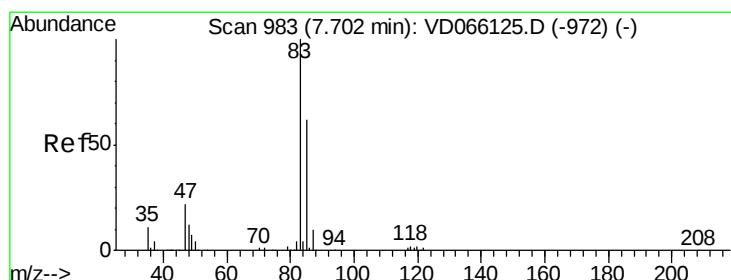
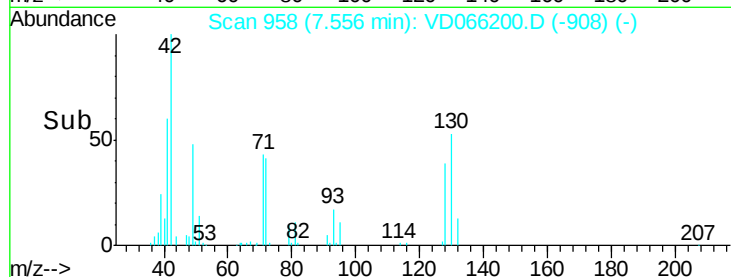
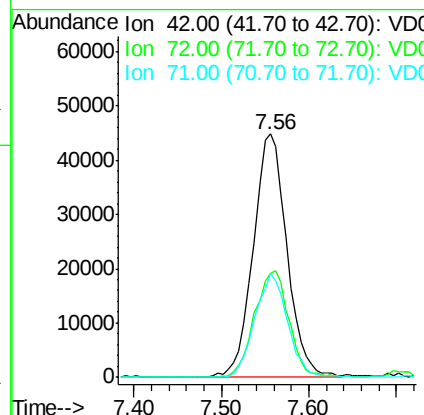
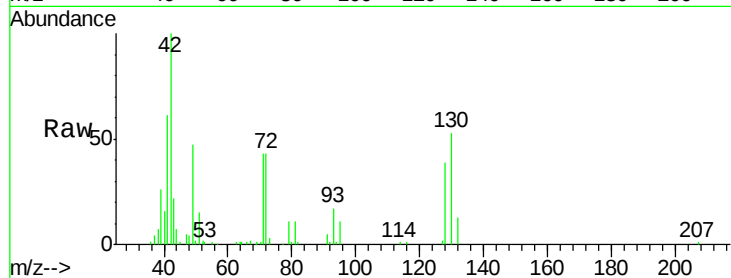
#29
Tetrahydrofuran
Concen: 255.453 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	34.8	52.2
71	41.6	33.5	50.3

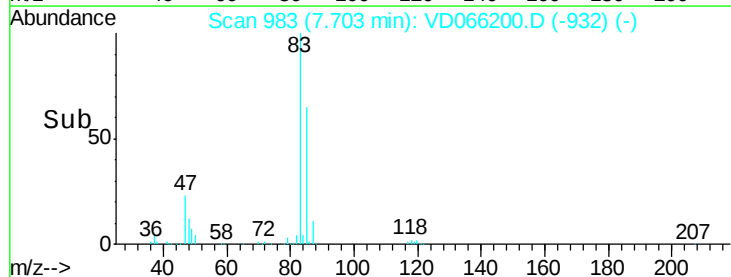
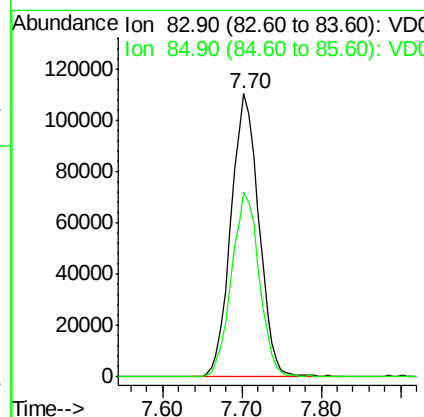
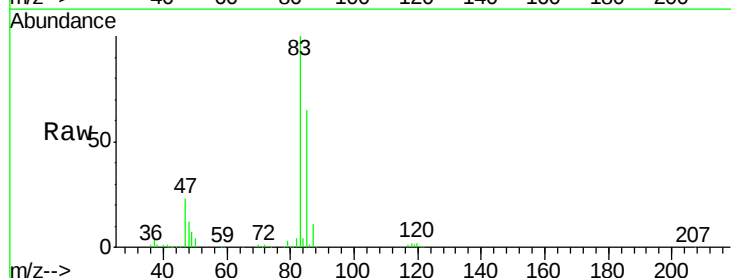
Manual Integrations
APPROVED

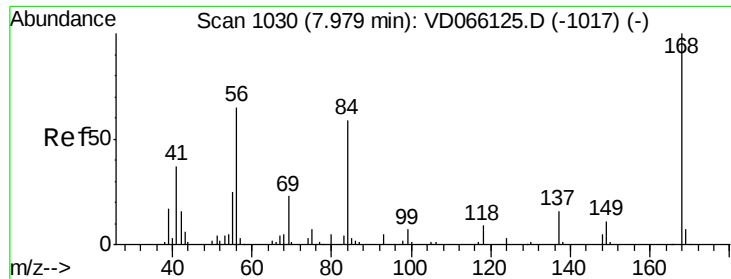
MMDadoda
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#30
Chloroform
Concen: 52.169 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.5	74.3





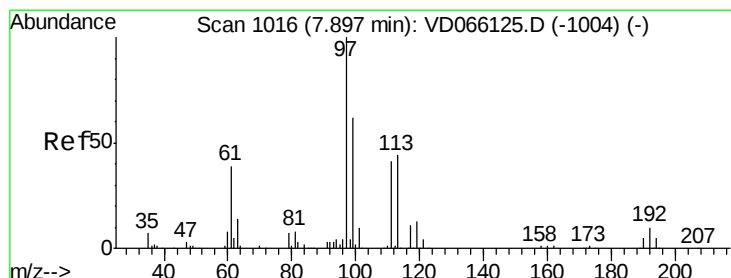
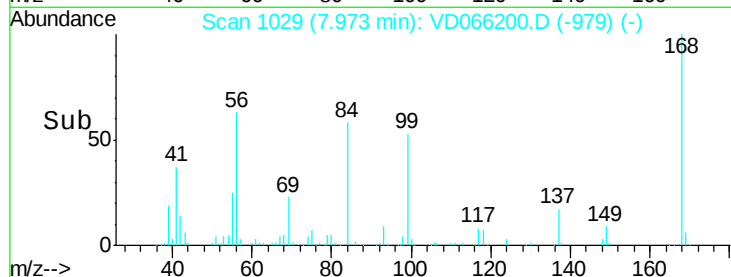
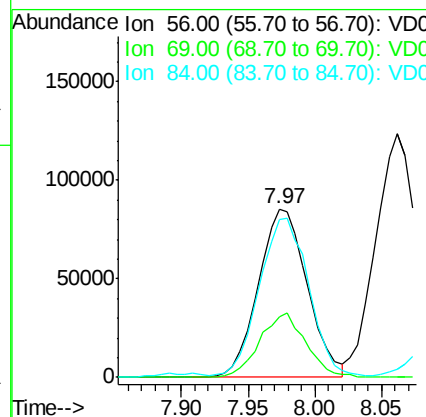
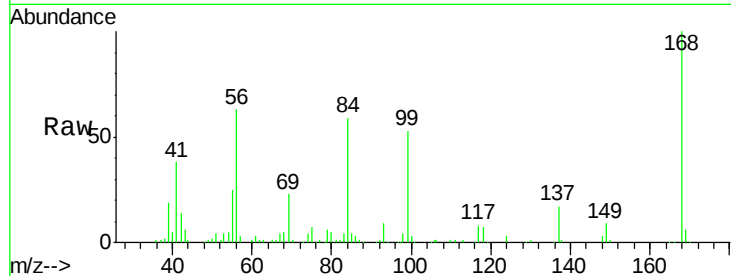
#31
Cyclohexane
Concen: 46.321 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	216675		
69	36.4		28.8	43.2
84	91.6		73.0	109.6

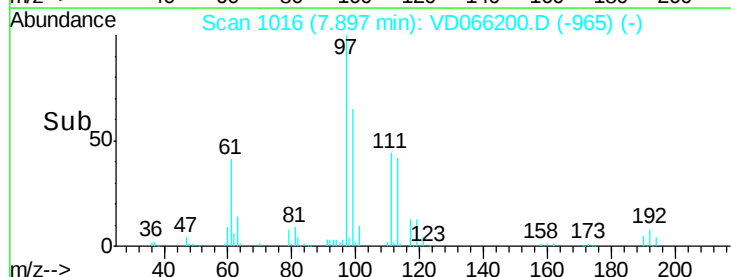
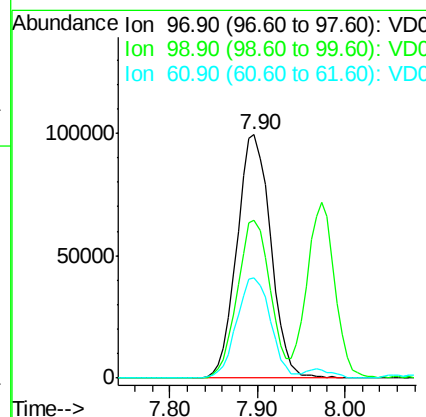
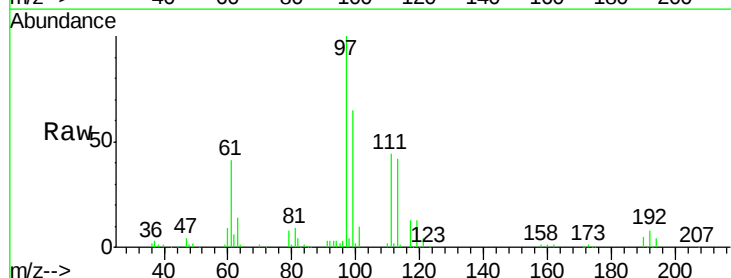
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 53.963 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	261068		
99	62.6		51.1	76.7
61	41.2		32.7	49.1





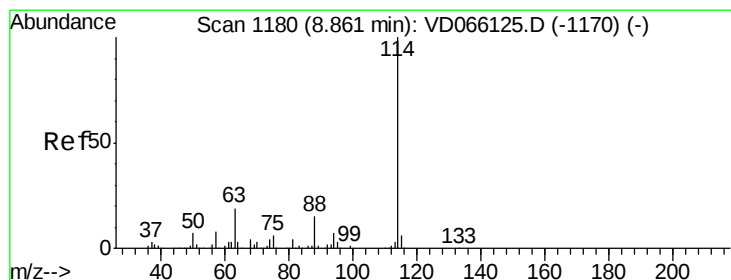
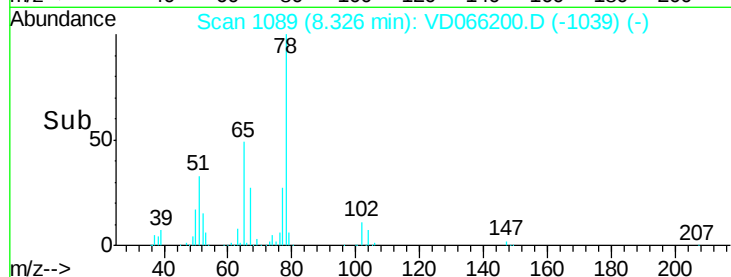
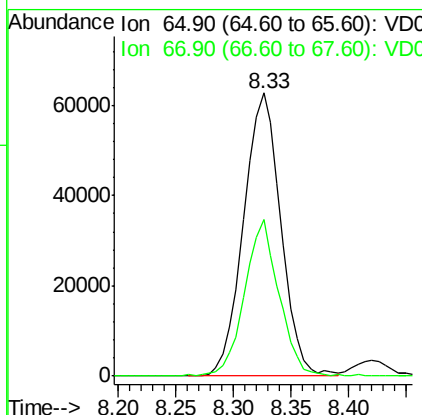
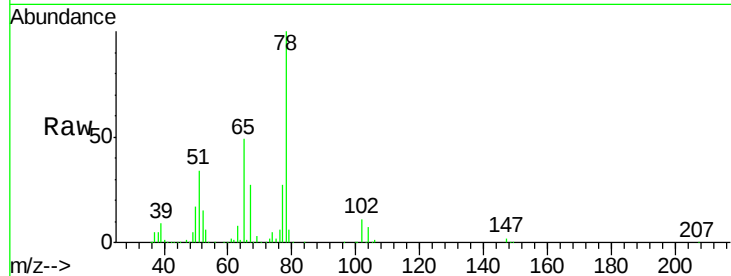
#33
 1,2-Dichloroethane-d4
 Concen: 52.758 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140863		
67	51.4	0.0	104.6	

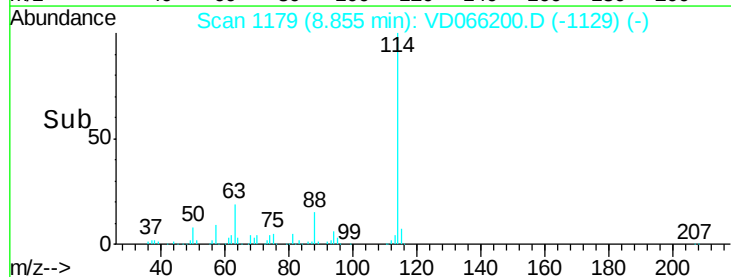
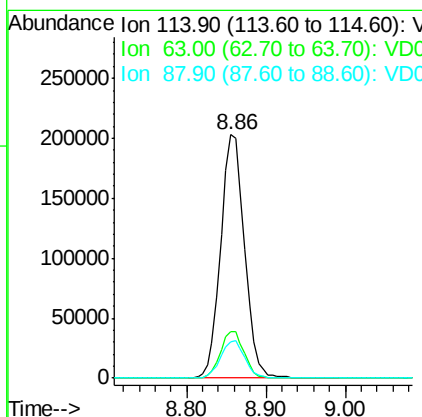
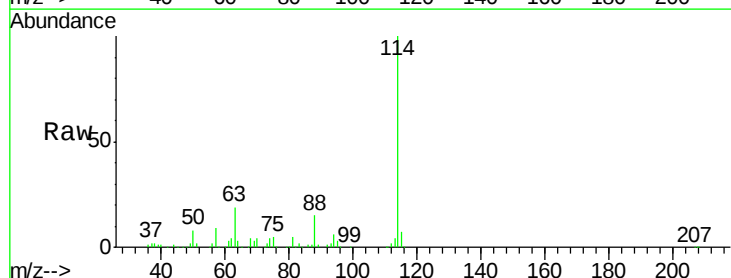
Manual Integrations
 APPROVED

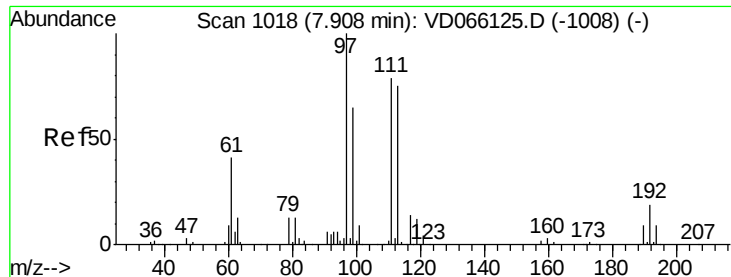
MMDadoda
 8/13/2020 4:20:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	423270		
63	19.0	0.0	38.6	
88	15.1	0.0	30.0	





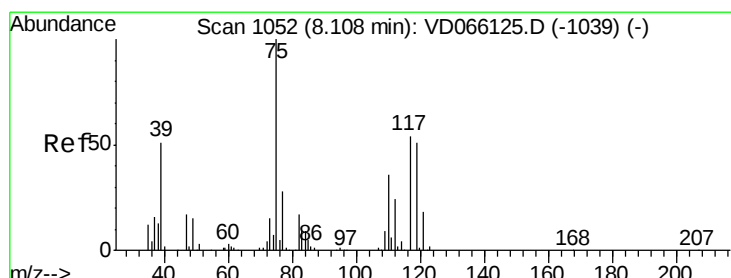
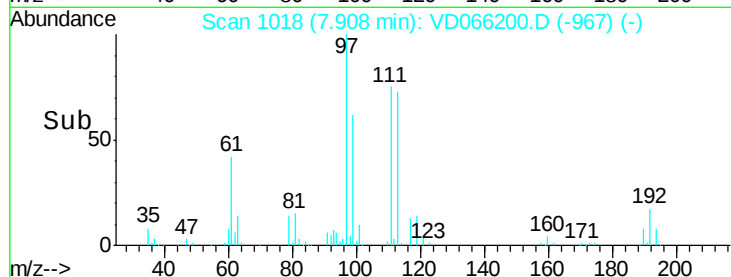
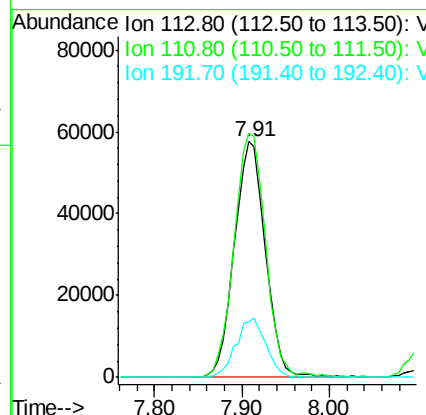
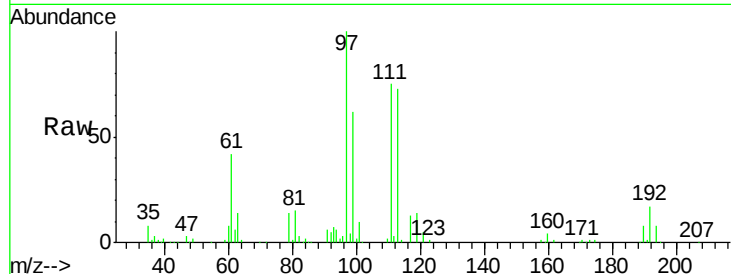
#35
 Dibromofluoromethane
 Concen: 51.562 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138258		
111	105.1	80.7	121.1	
192	24.2	18.4	27.6	

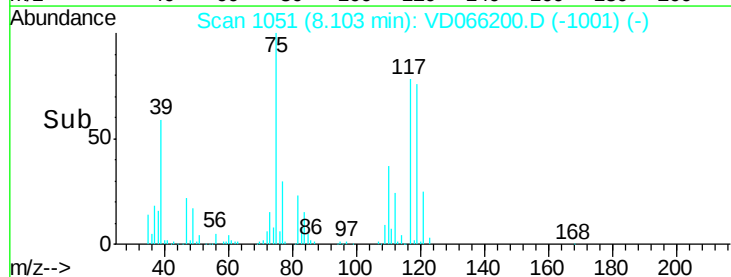
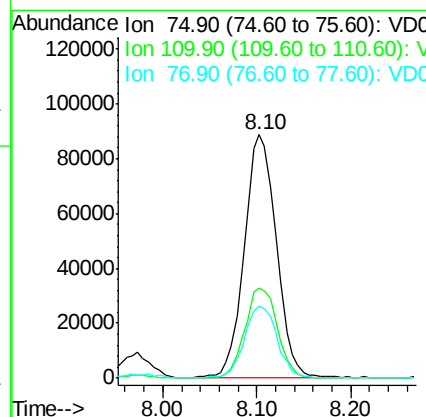
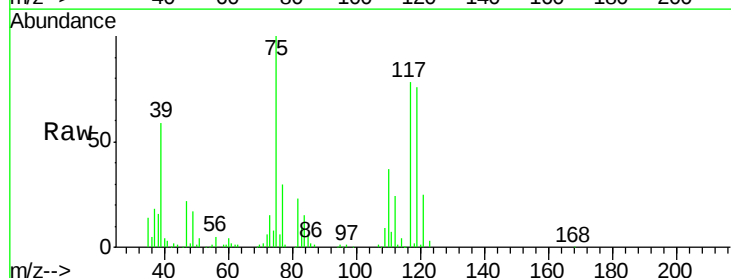
Manual Integrations
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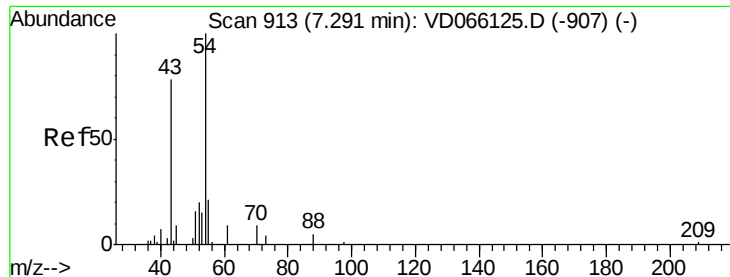
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#36
 1,1-Dichloropropene
 Concen: 52.851 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	210211		
110	37.6	18.8	56.3	
77	30.4	24.2	36.2	





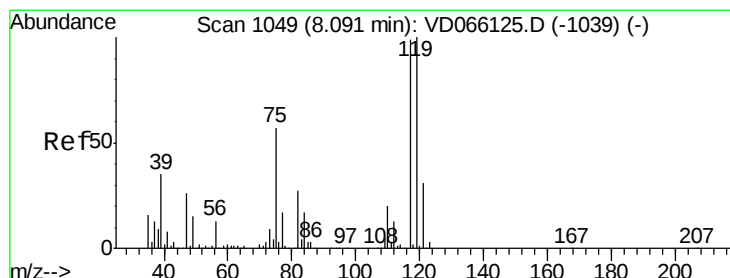
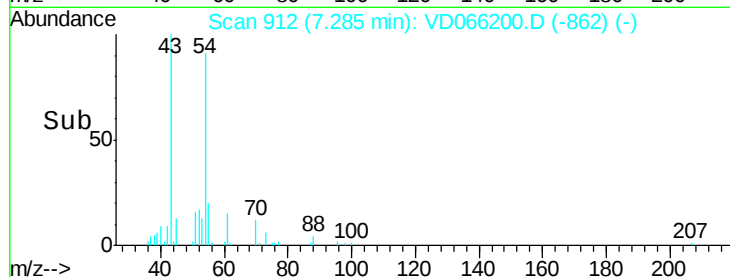
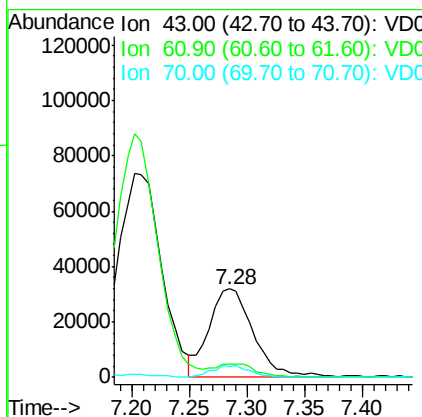
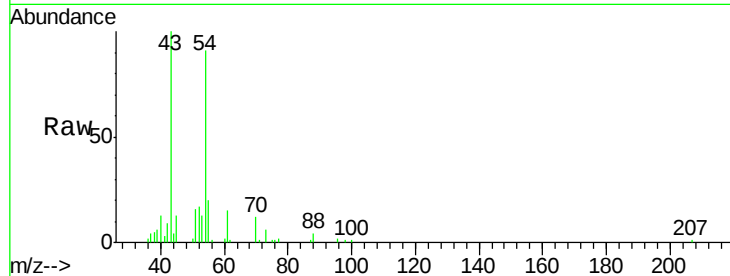
#37
Ethyl Acetate
Concen: 53.311 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.0	18.0
70	11.9	9.7	14.5

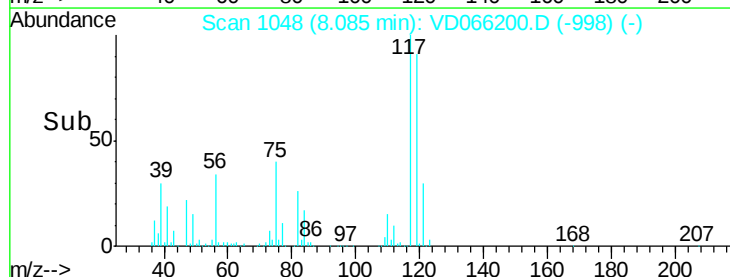
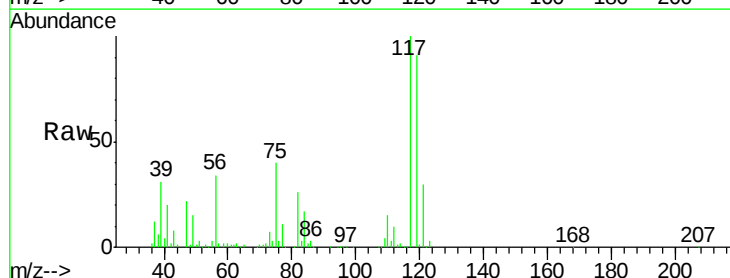
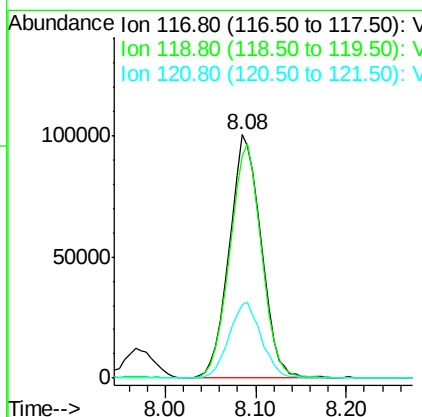
Manual Integrations
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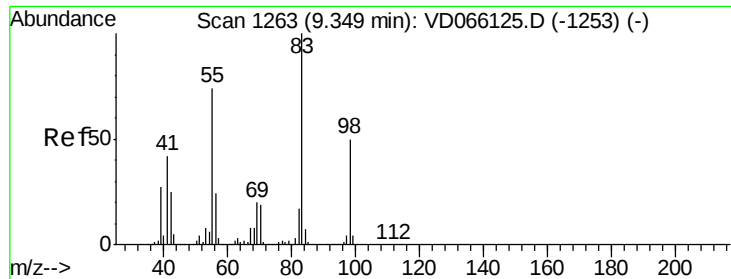
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8/13/2020 4:20:59 PM



#38
Carbon Tetrachloride
Concen: 55.411 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	81.0	121.4
121	29.9	24.8	37.2





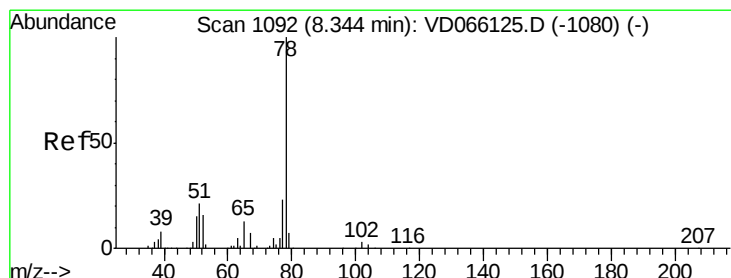
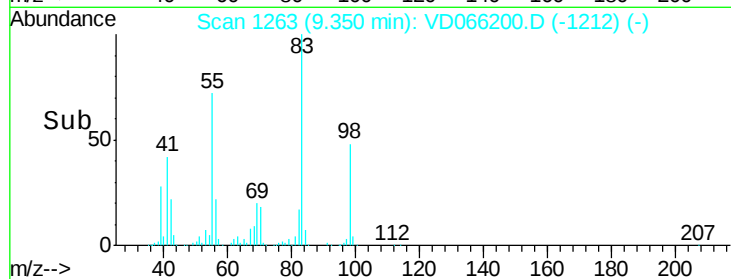
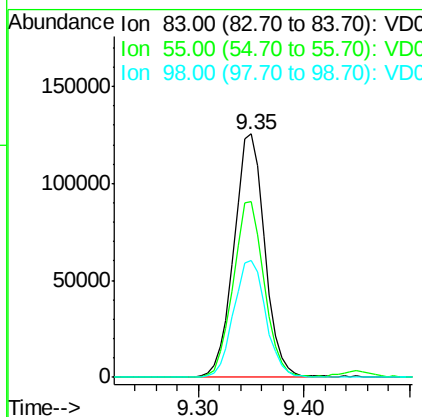
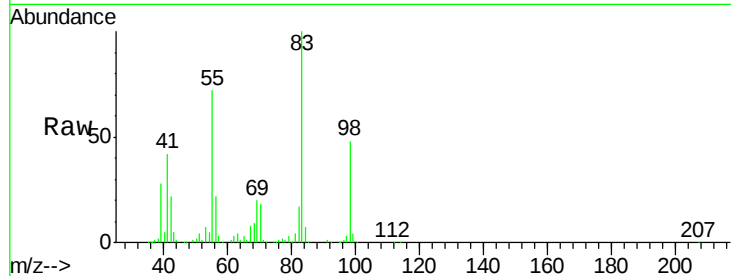
#39
Methvlcvclohexane
Concen: 52.858 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	254148		
55	72.2		59.2	88.8
98	48.2		39.8	59.6

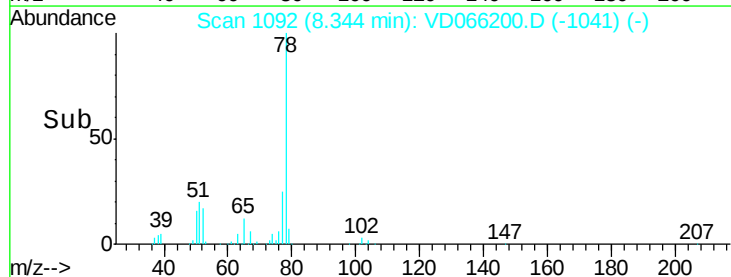
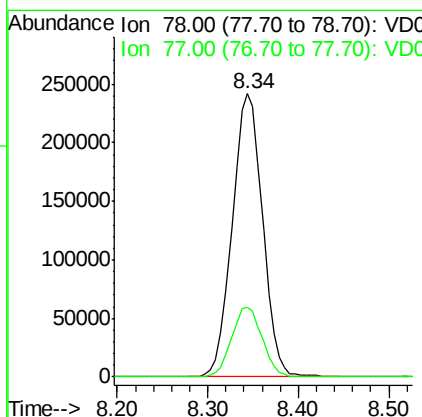
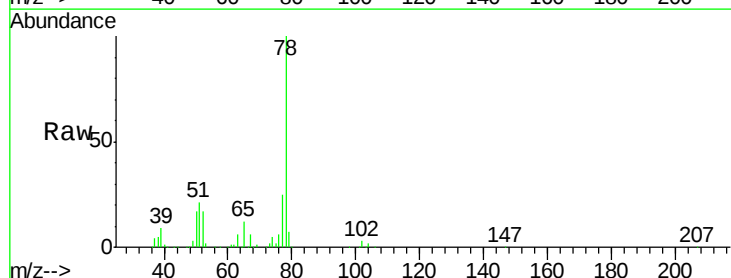
Manual Integrations
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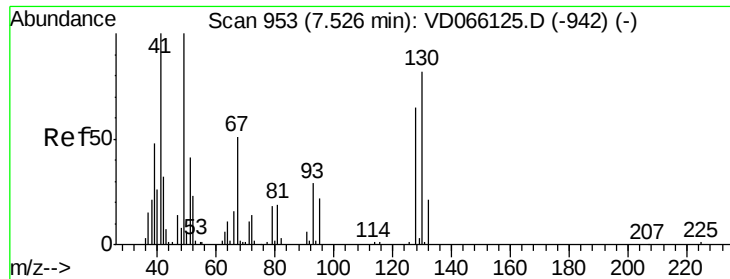
MMDadoda
8/13/2020 4:20:59 PM



#40
Benzene
Concen: 50.998 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	562700		
77	24.6		18.6	27.8





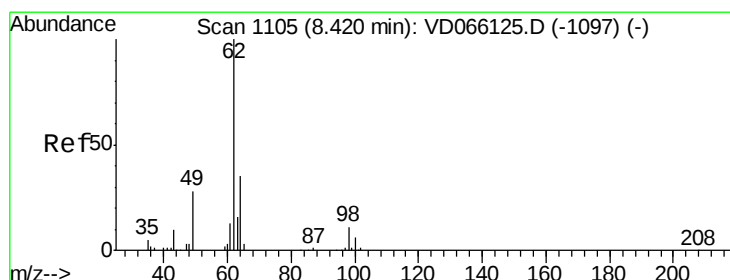
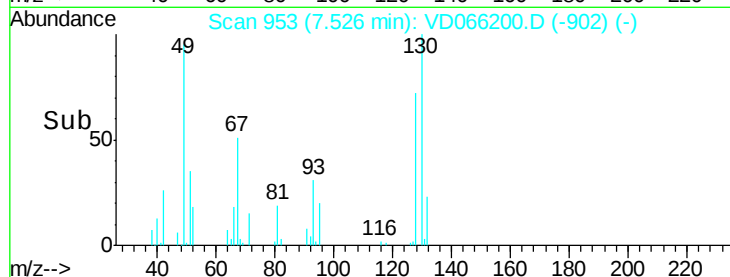
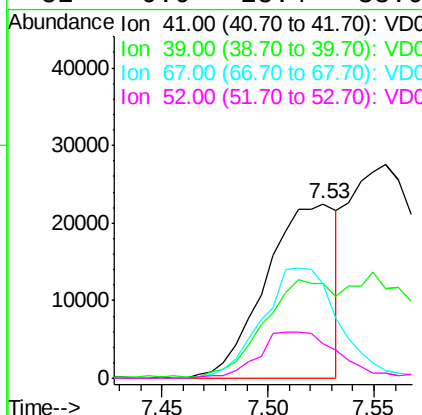
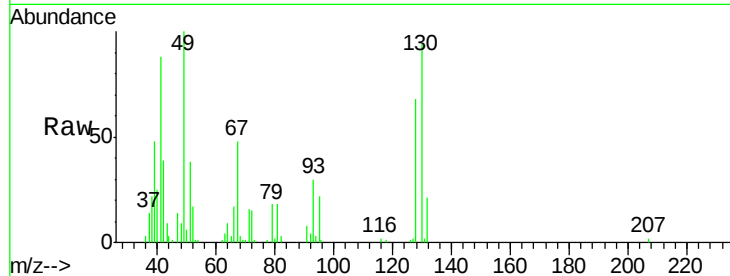
#41
Methacrylonitrile
Concen: 56.467 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot 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#

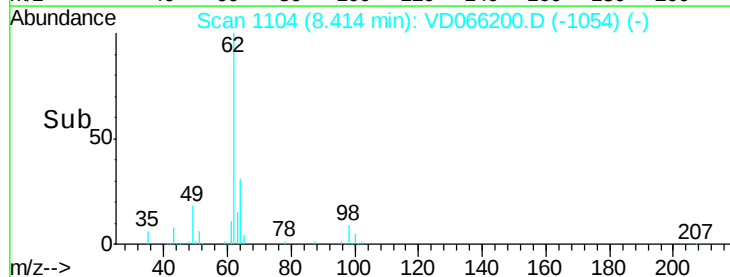
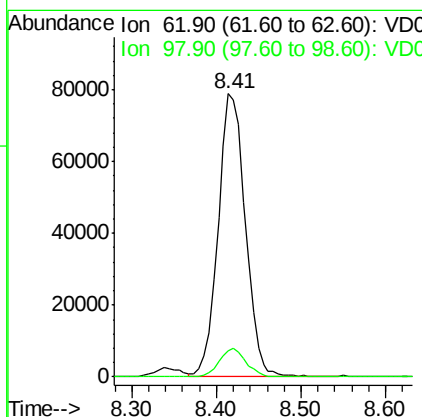
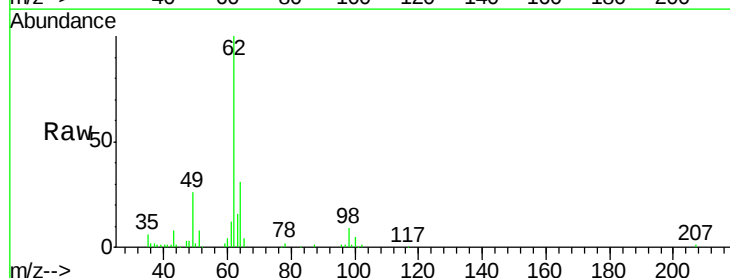
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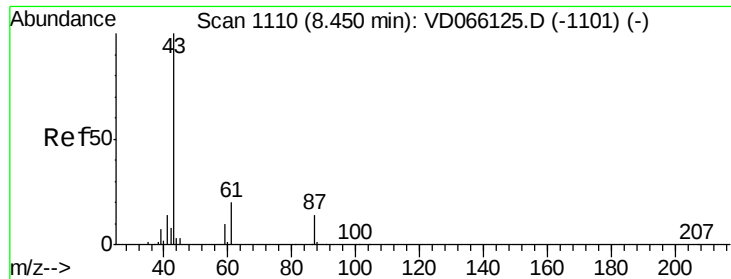
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.627 ug/l
RT: 8.41 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.4





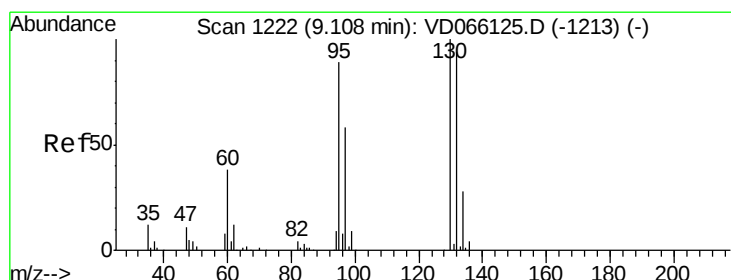
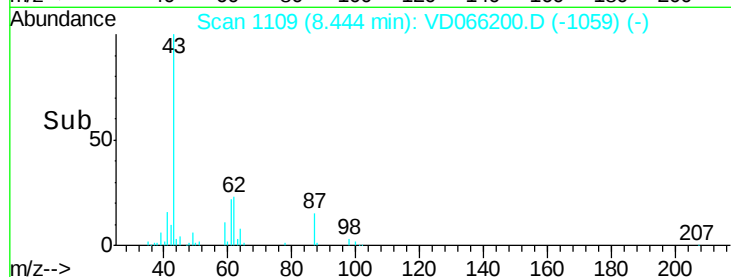
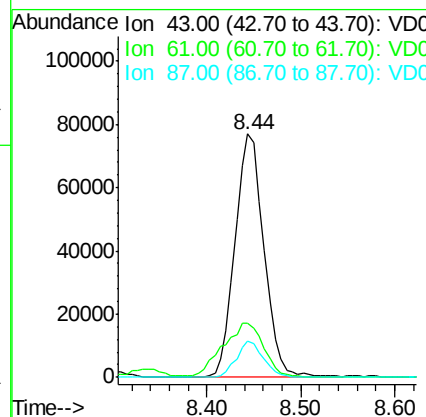
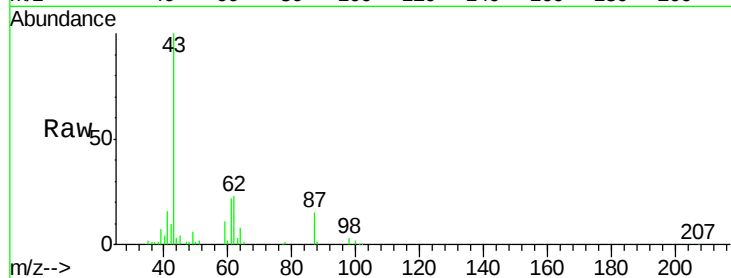
#43
Isopropyl Acetate
Concen: 53.215 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	13.8	11.2	16.8

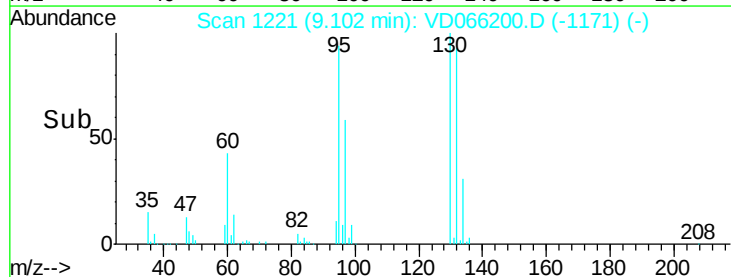
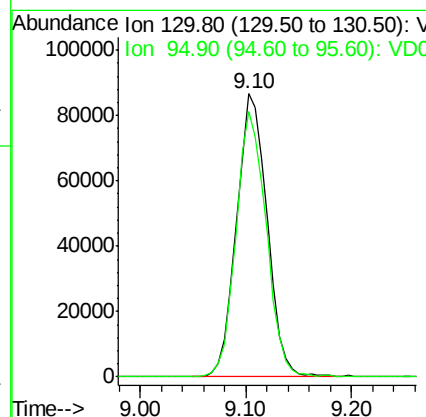
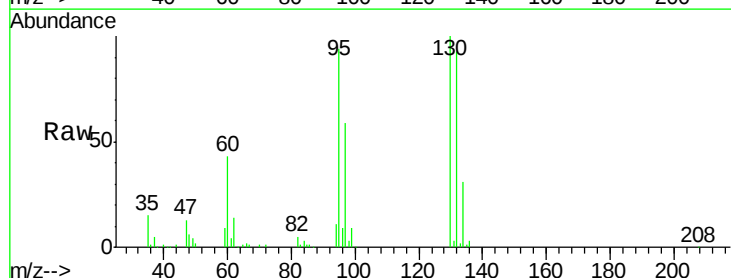
Manual Integrations
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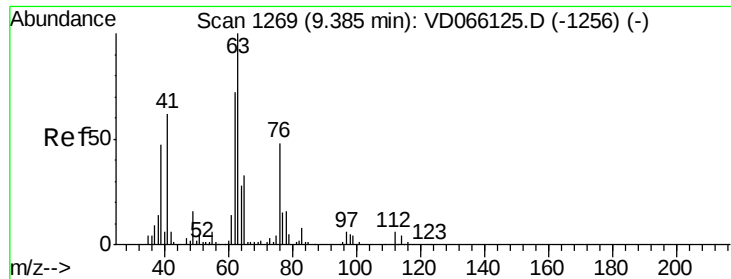
MMDadoda
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#44
Trichloroethene
Concen: 52.136 ug/l
RT: 9.10 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	178.4





#45

1,2-Dichloropropane

Concen: 50.645 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 136670

Ion Ratio Lower Upper

63 100

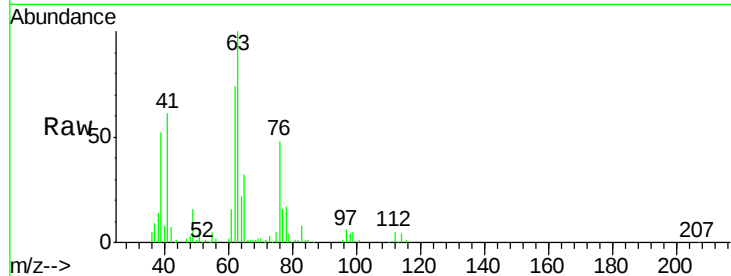
65 32.4 26.5 39.7

Manual Integrations

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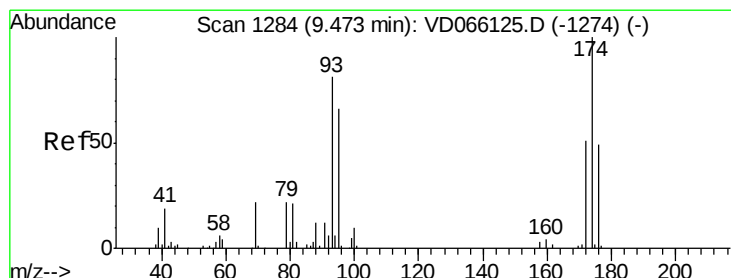
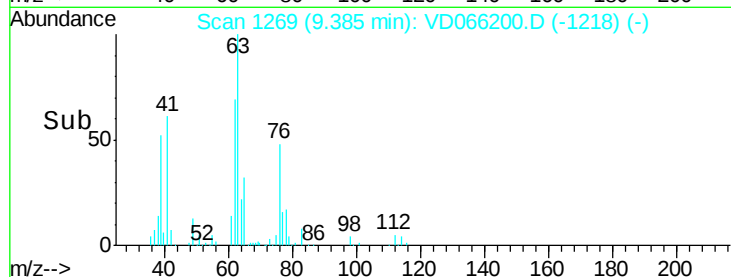
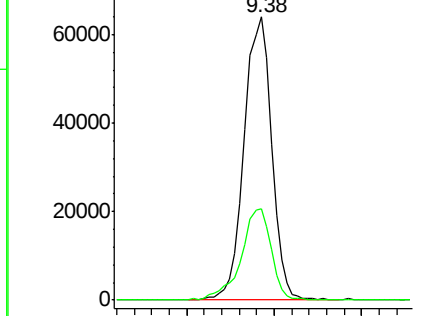
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 54.150 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

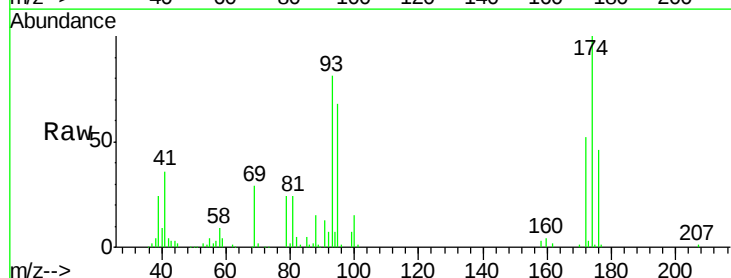
Tgt Ion: 93 Resp: 80491

Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

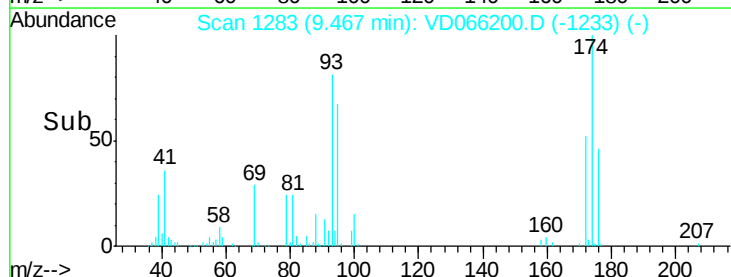
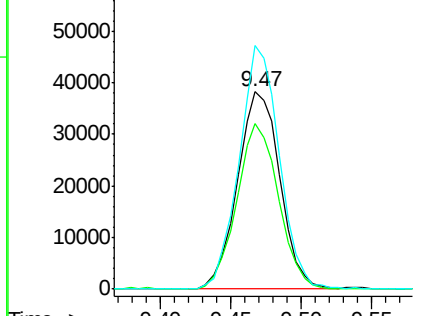
174 117.2 92.8 139.2

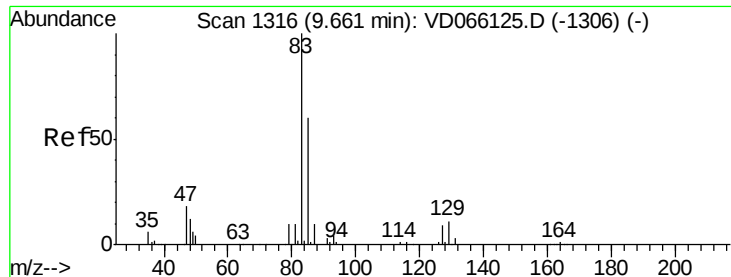


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.923 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

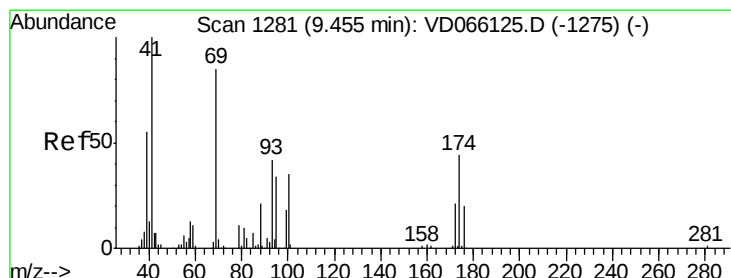
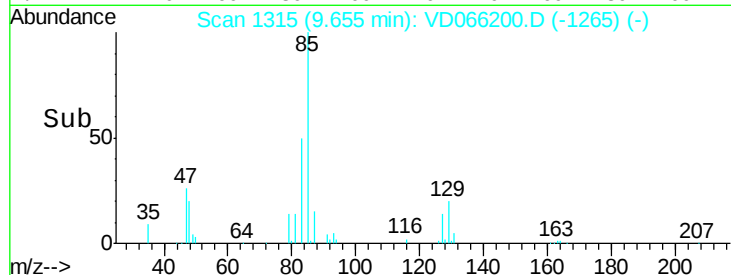
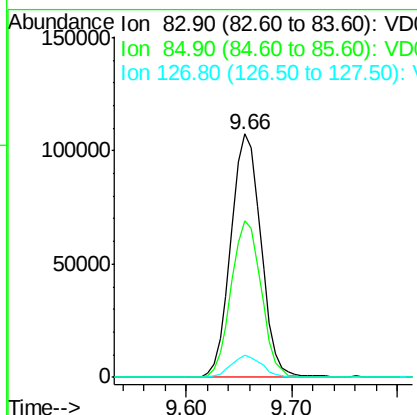
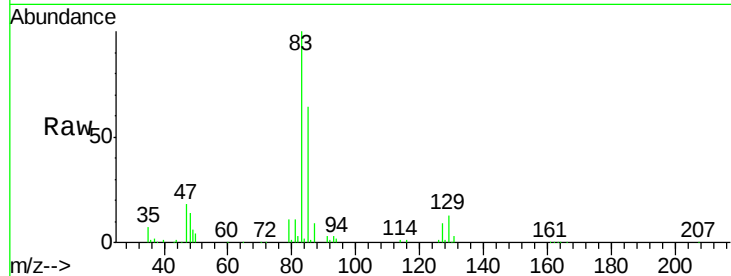
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	211844
Ion	Ratio	Lower	Upper
83	100		
85	64.4	48.2	72.4
127	9.2	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.607 ug/l

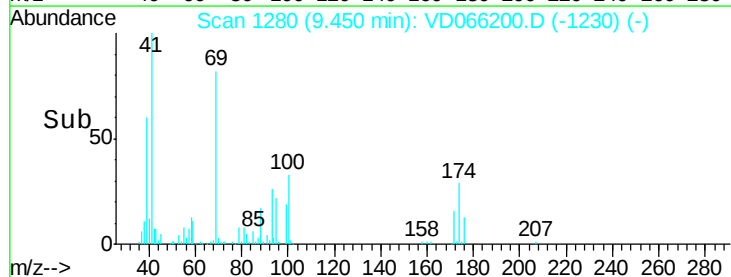
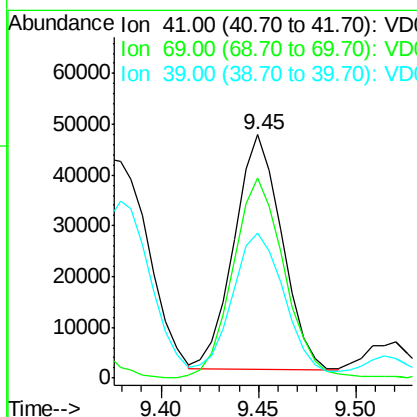
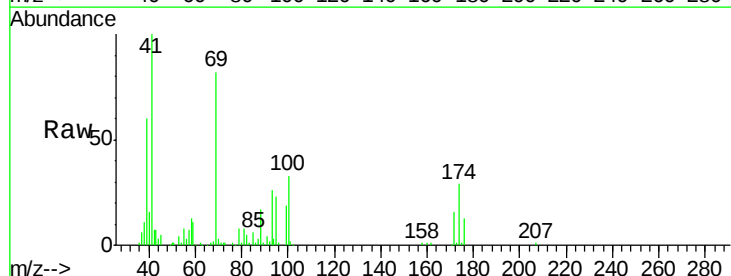
RT: 9.45 min Scan# 1280

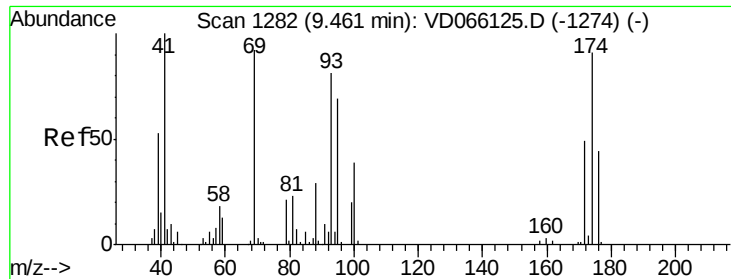
Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	41	Resp:	78651
Ion	Ratio	Lower	Upper
41	100		
69	92.4	63.9	95.9
39	63.0	42.6	64.0





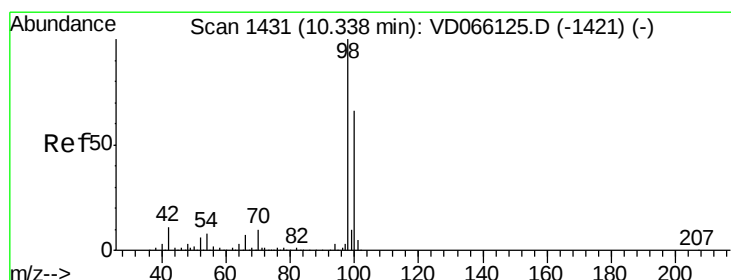
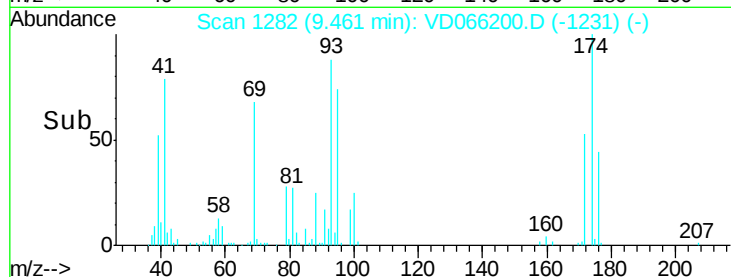
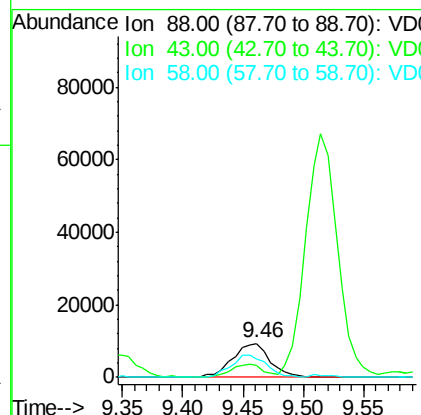
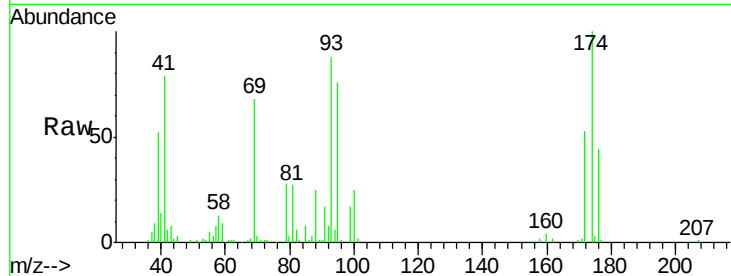
#49
1,4-Dioxane
Concen: 1055.033 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.5	41.3
58	62.6	50.2	75.4

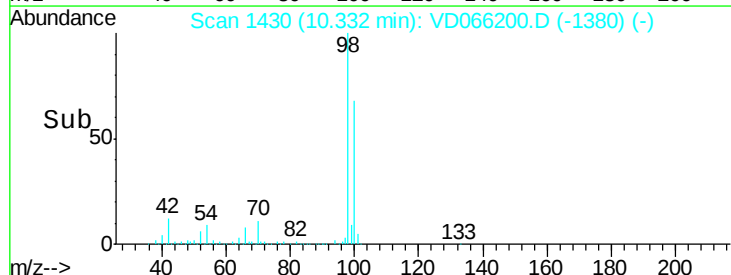
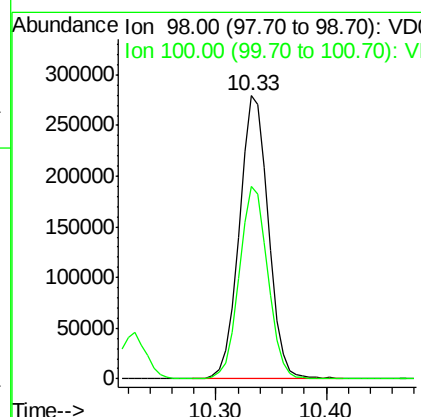
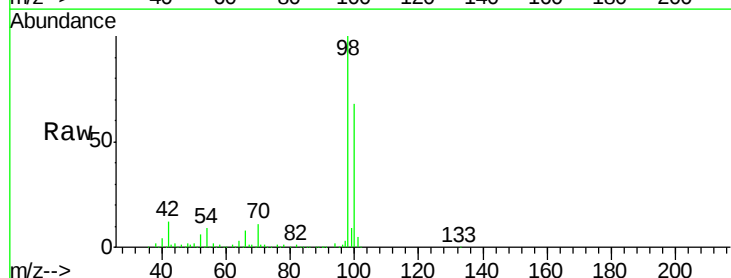
Manual Integrations
APPROVED

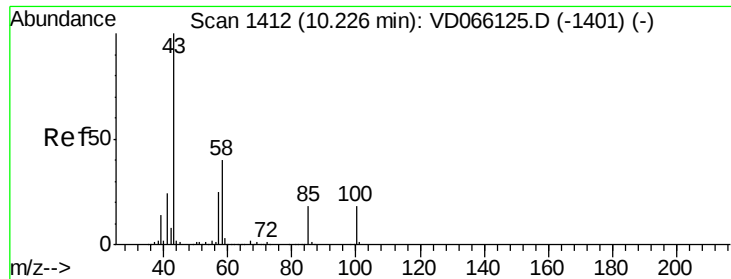
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#50
Toluene-d8
Concen: 52.188 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 271.669 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 433291

Ion Ratio Lower Upper

43 100

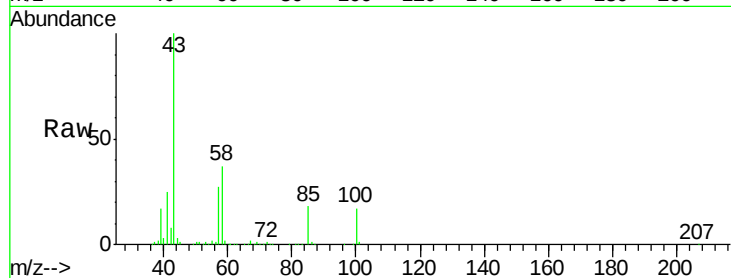
58 39.3 31.1 46.7

Manual Integrations

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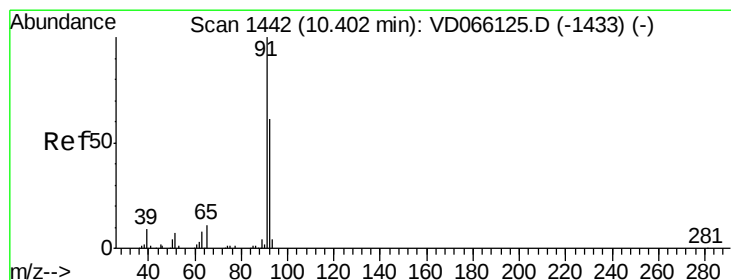
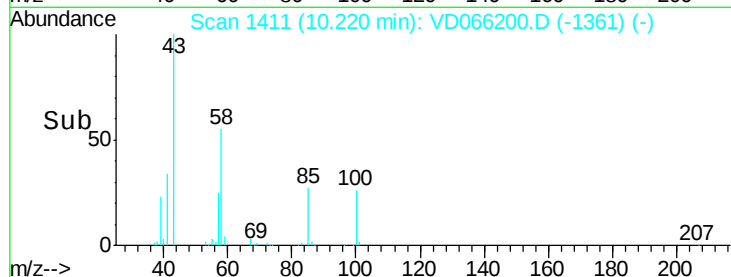
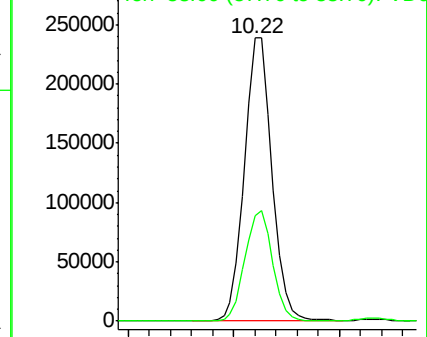
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.112 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066200.D

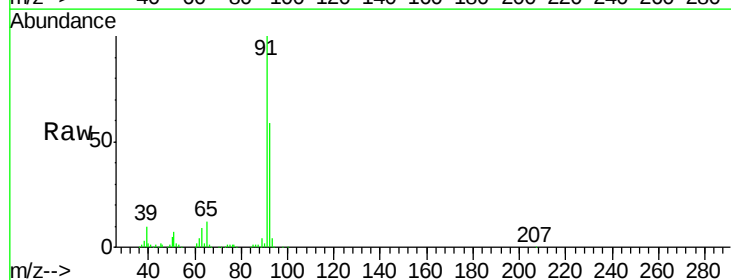
Acq: 12 Aug 2020 13:12

Tgt Ion: 92 Resp: 385616

Ion Ratio Lower Upper

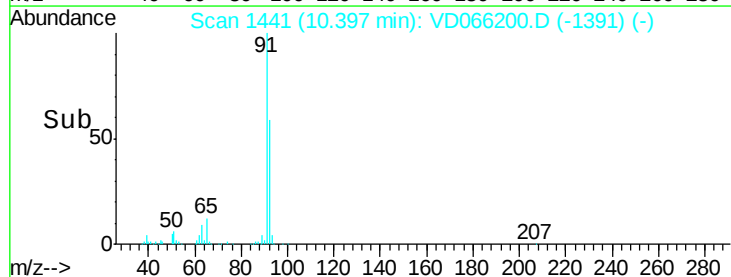
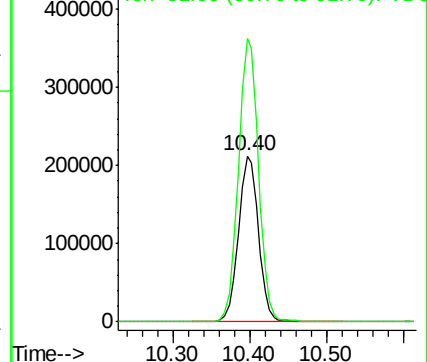
92 100

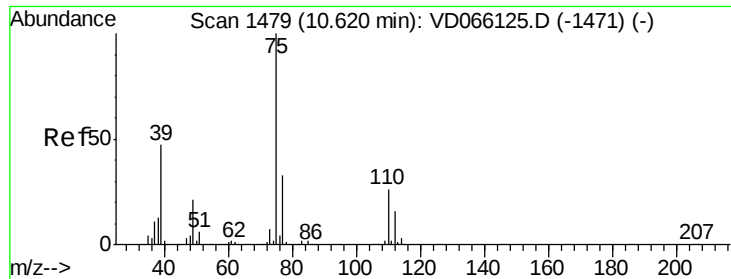
91 171.9 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





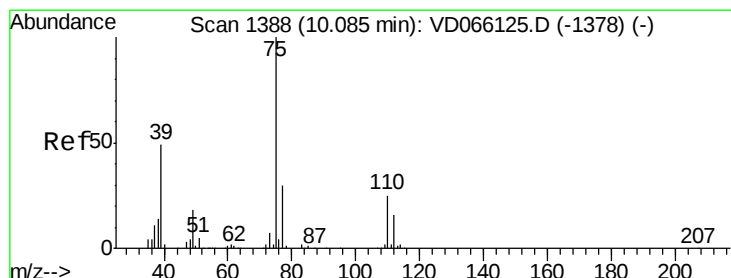
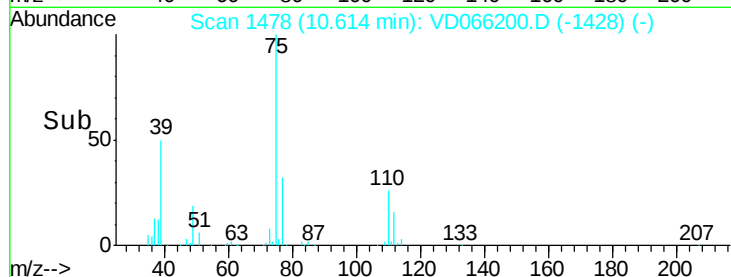
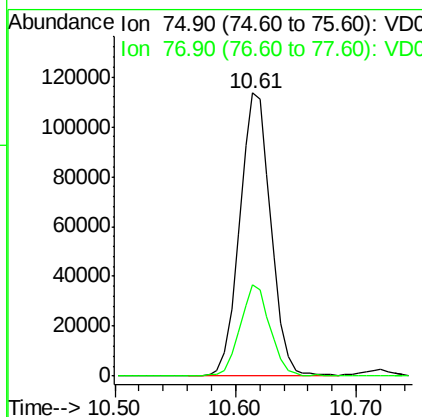
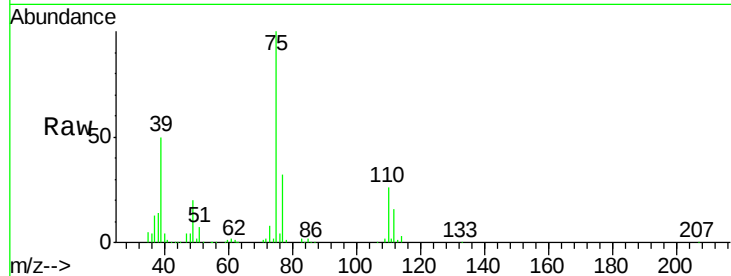
#53
t-1,3-Dichloropropene
Concen: 54.656 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 203776
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2

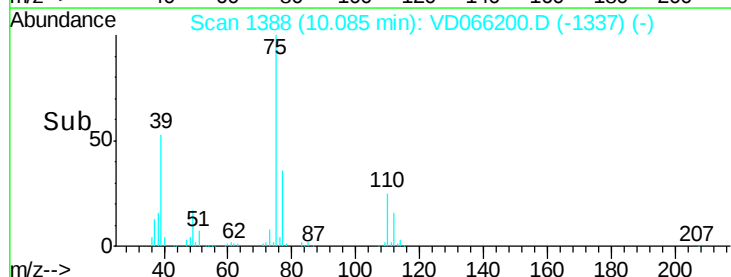
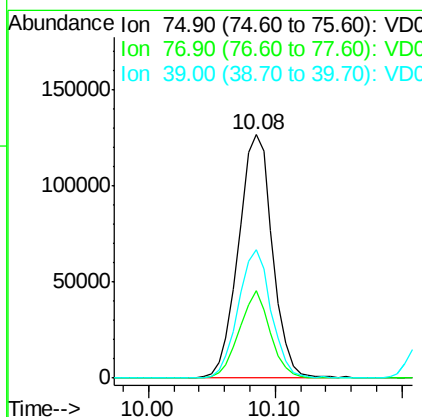
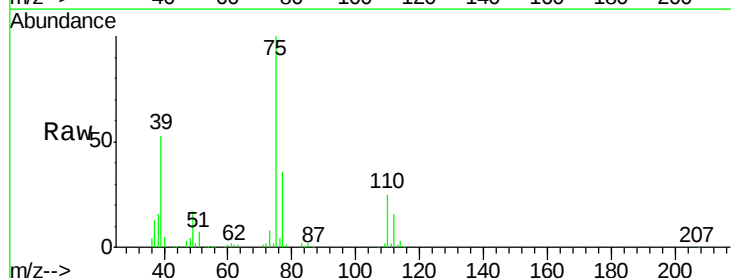
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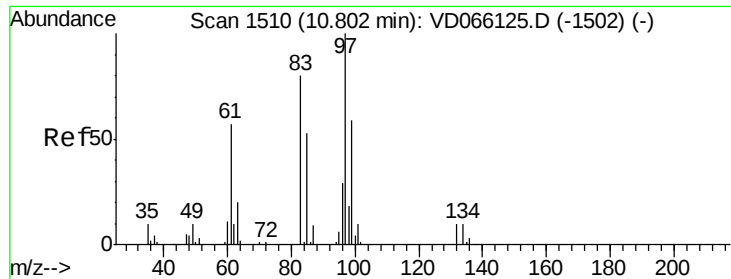
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#54
cis-1,3-Dichloropropene
Concen: 53.871 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion: 75 Resp: 235319
Ion Ratio Lower Upper
75 100
77 35.9 24.3 36.5
39 52.5 39.3 58.9





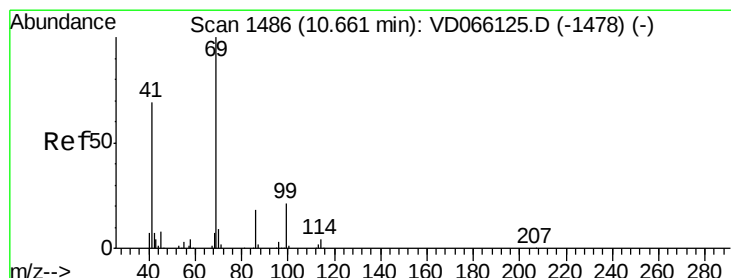
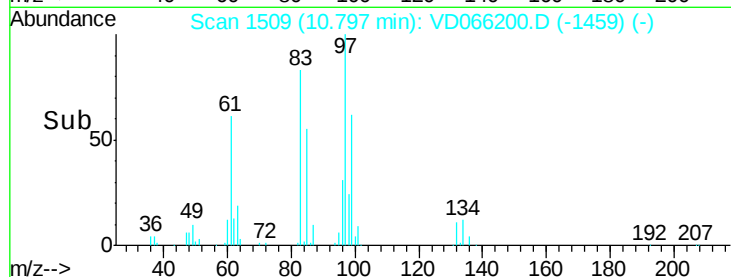
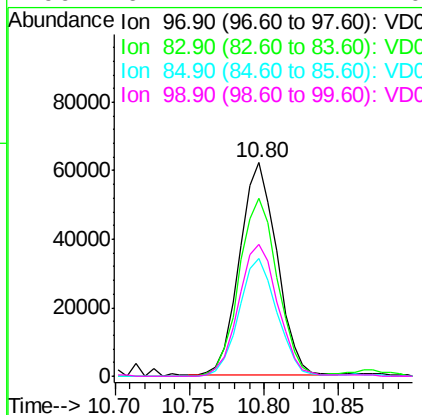
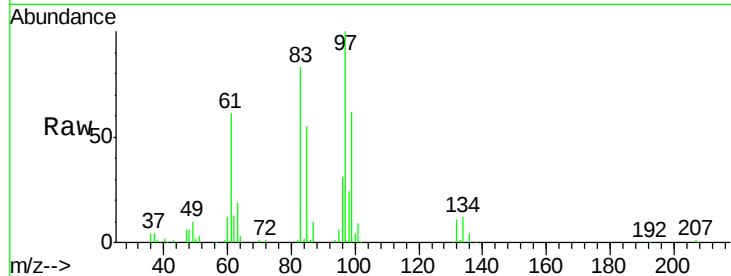
#55
 1,1,2-Trichloroethane
 Concen: 50.642 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	108394
Ion	Ratio	Lower	Upper
97	100		
83	83.5	63.9	95.9
85	55.5	42.5	63.7
99	62.1	47.4	71.0

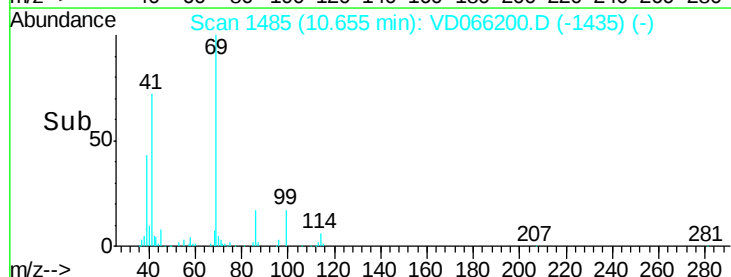
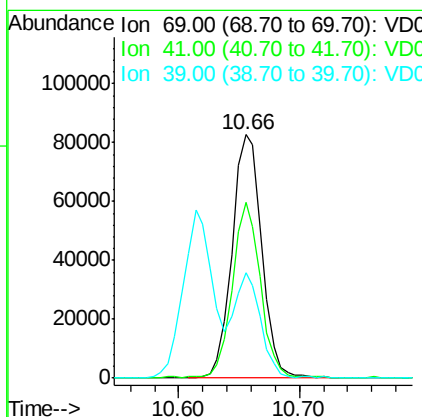
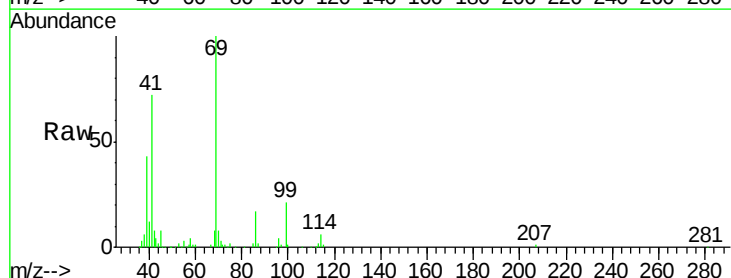
Manual Integrations
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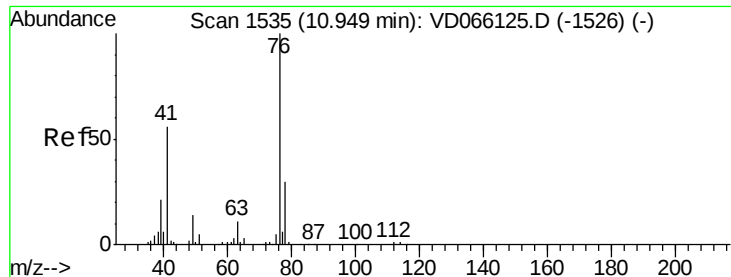
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#56
 Ethyl methacrylate
 Concen: 55.131 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Tgt Ion:	69	Resp:	141756
Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.1	81.1
39	37.9	28.6	43.0





#57

1,3-Dichloropropane

Concen: 53.484 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 190048

Ion Ratio Lower Upper

76 100

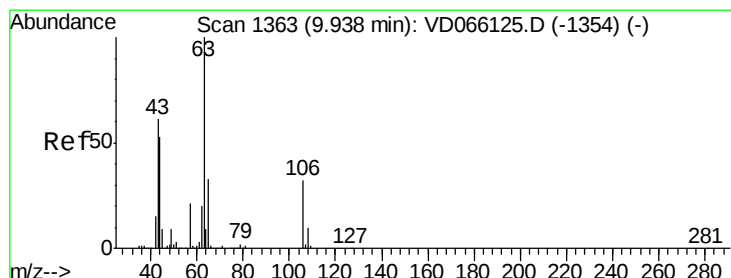
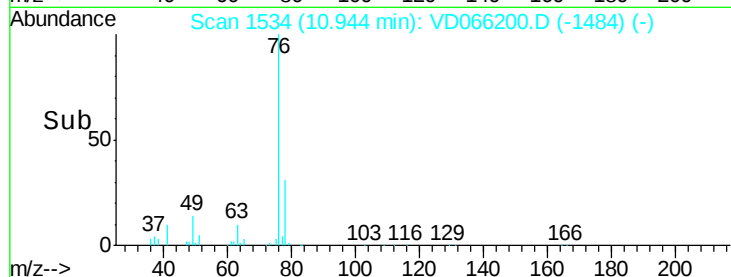
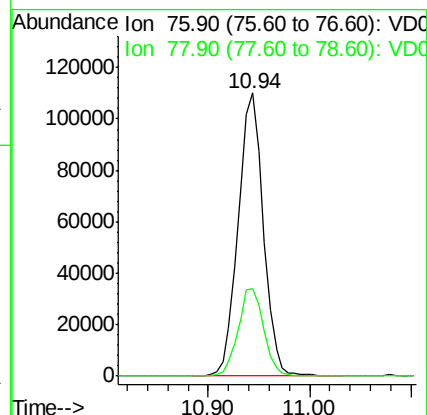
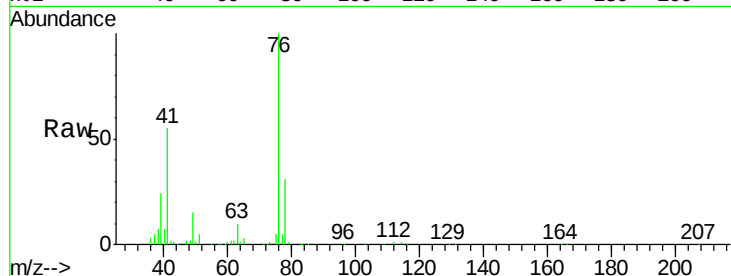
78 31.6 25.5 38.3

Manual Integrations

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8/13/2020 4:20:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 285.905 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066200.D

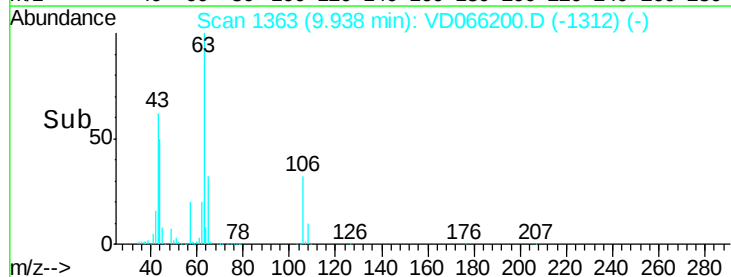
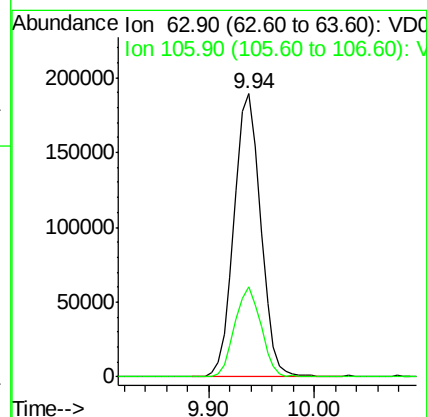
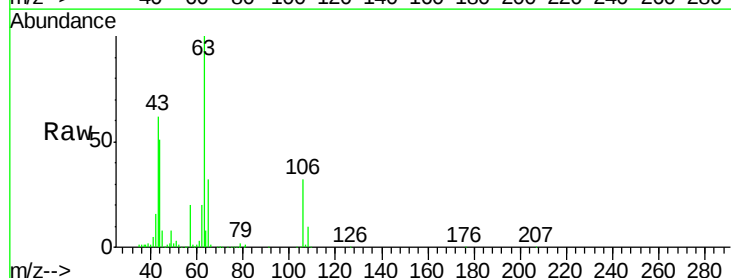
Acq: 12 Aug 2020 13:12

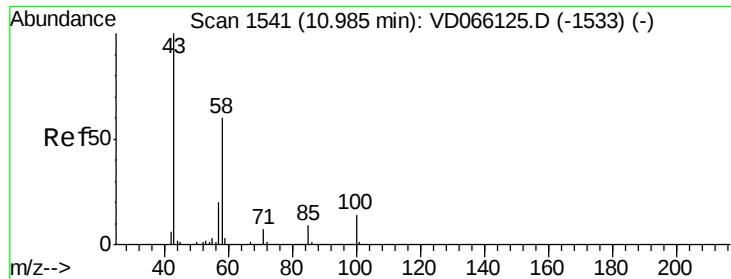
Tgt Ion: 63 Resp: 330672

Ion Ratio Lower Upper

63 100

106 31.4 25.3 37.9





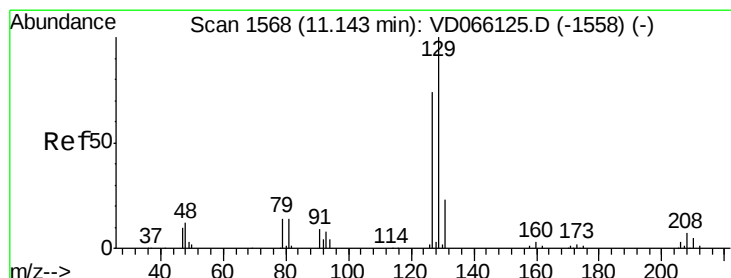
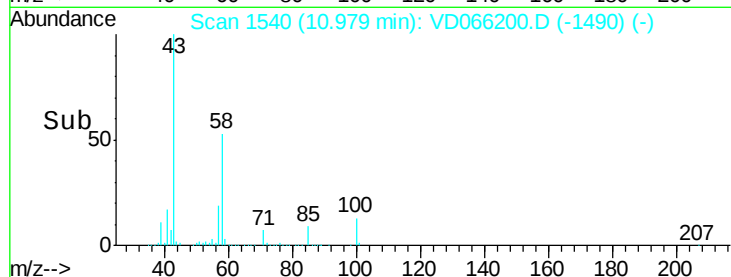
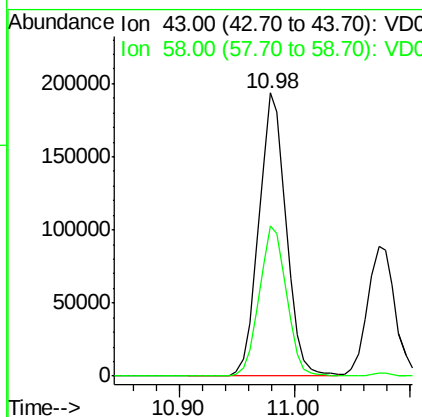
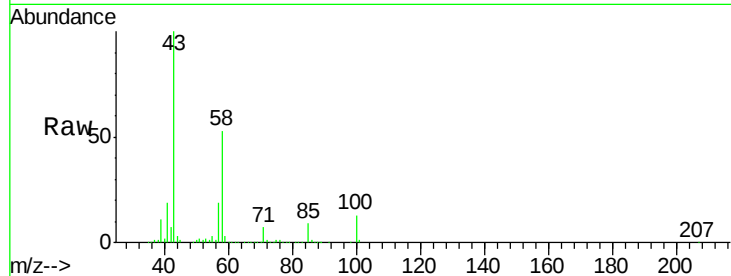
#59
2-Hexanone
Concen: 285.959 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 320087
Ion Ratio Lower Upper
43 100
58 53.0 27.8 83.4

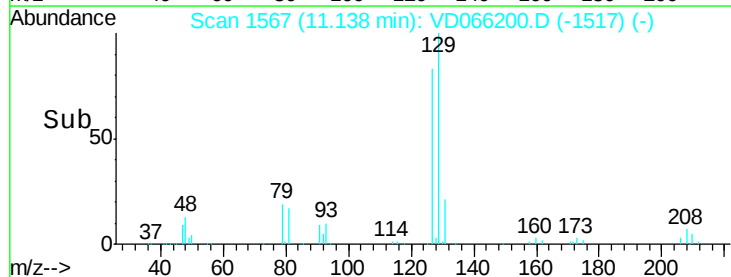
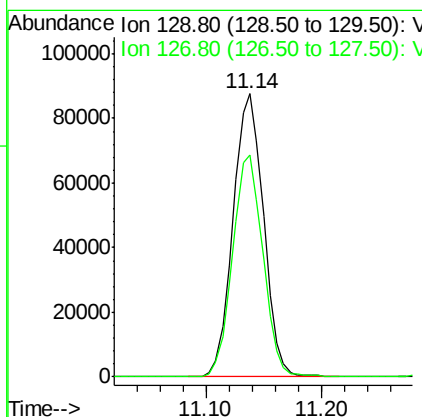
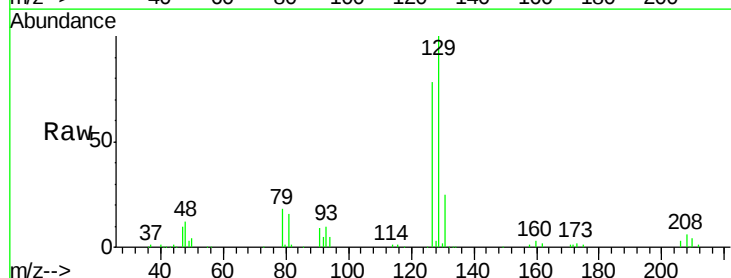
Manual Integrations
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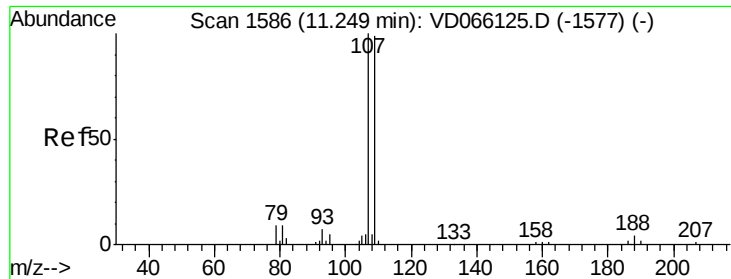
MMDadoda
8/13/2020 4:20:59 PM



#60
Dibromochloromethane
Concen: 54.161 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion: 129 Resp: 160046
Ion Ratio Lower Upper
129 100
127 78.2 38.0 114.1





#61

1,2-Dibromoethane

Concen: 53.488 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 110103

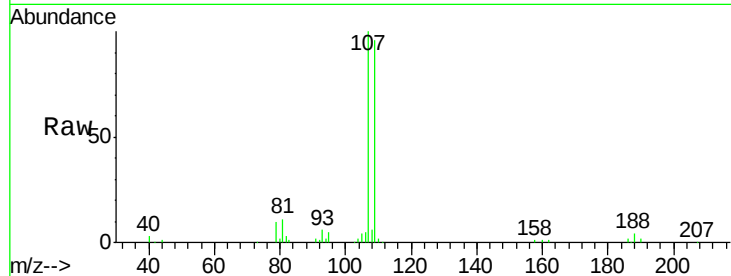
Ion Ratio Lower Upper

107 100

109 94.0 76.5 114.7

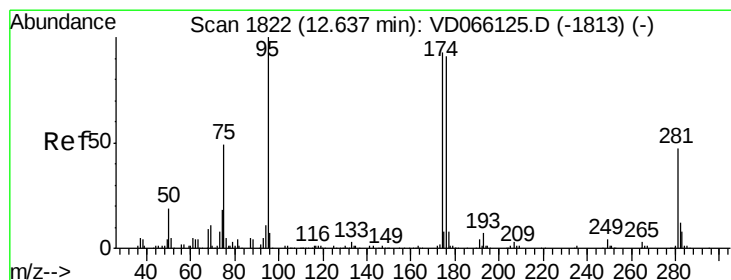
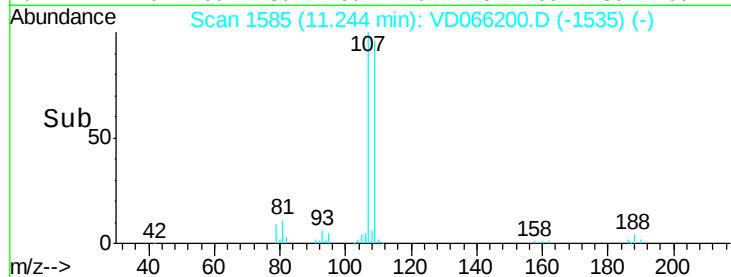
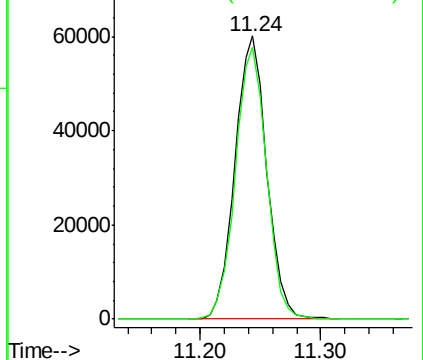
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.402 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

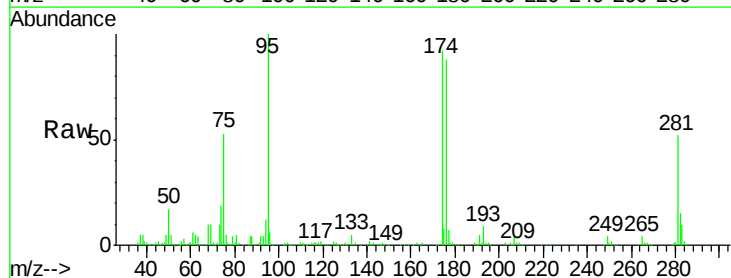
Tgt Ion: 95 Resp: 183336

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.8

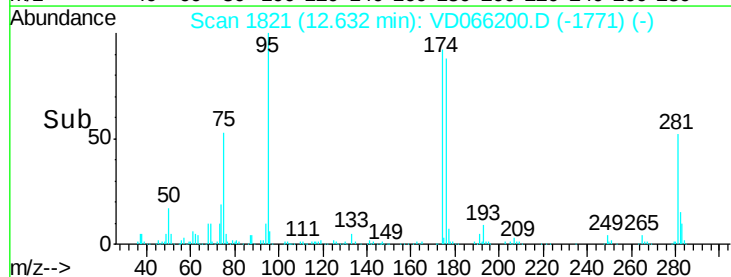
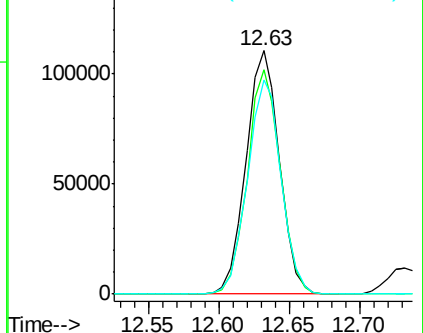
176 88.5 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





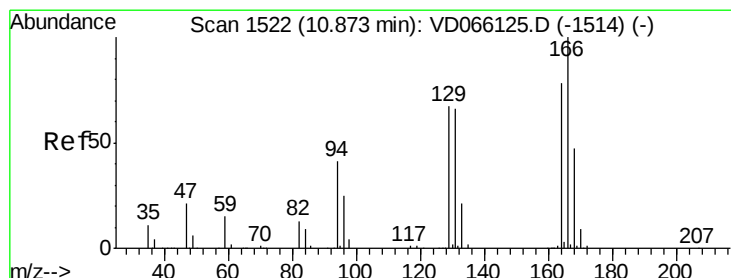
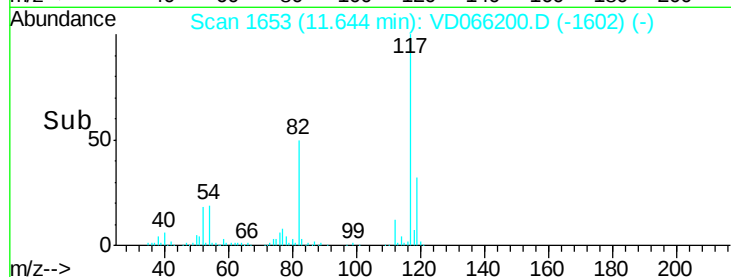
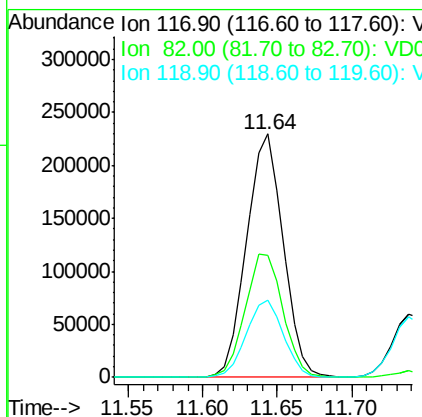
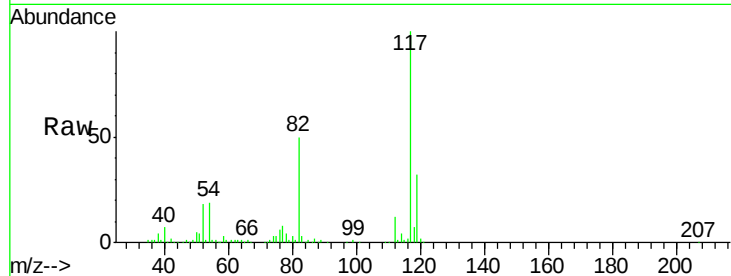
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	390927		
82	50.1	43.0	64.4	
119	31.6	26.1	39.1	

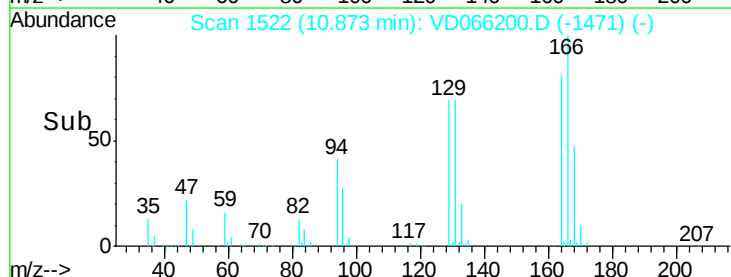
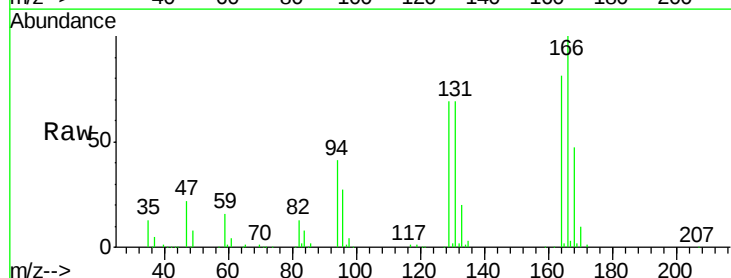
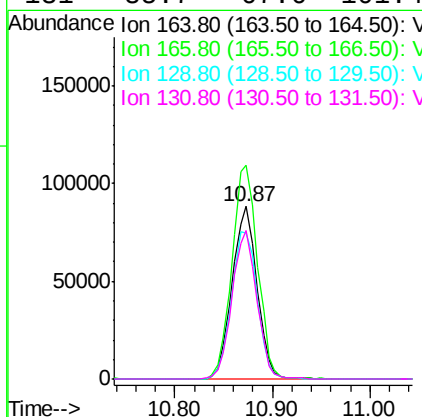
Manual Integrations
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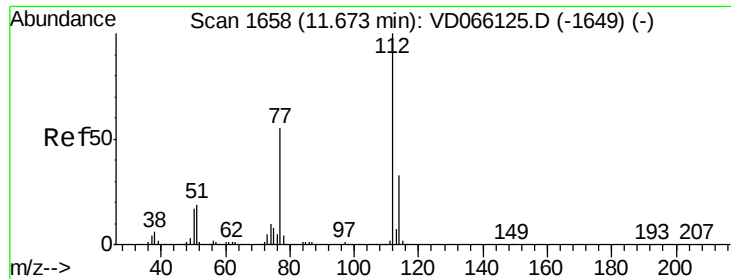
MMDadoda
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#64
Tetrachloroethene
Concen: 52.211 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156732		
166	123.6	101.9	152.9	
129	84.8	68.1	102.1	
131	85.7	67.6	101.4	





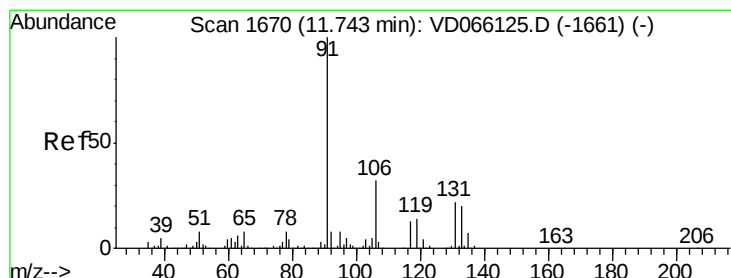
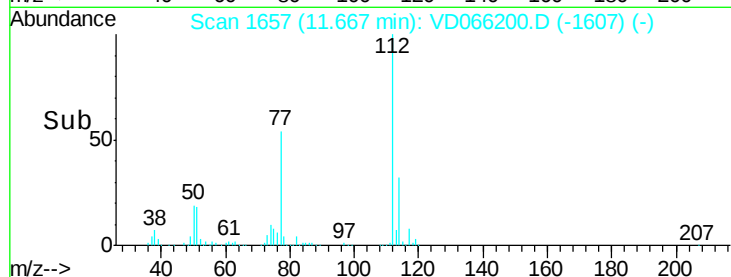
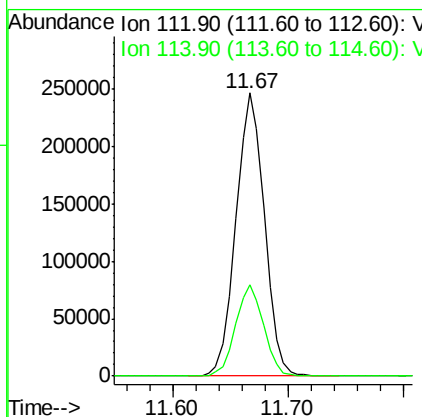
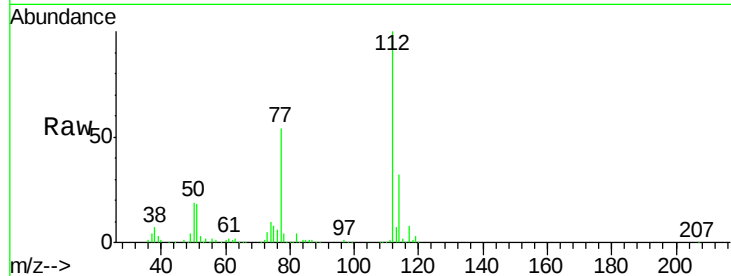
#65
Chlorobenzene
Concen: 52.955 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.1	39.1

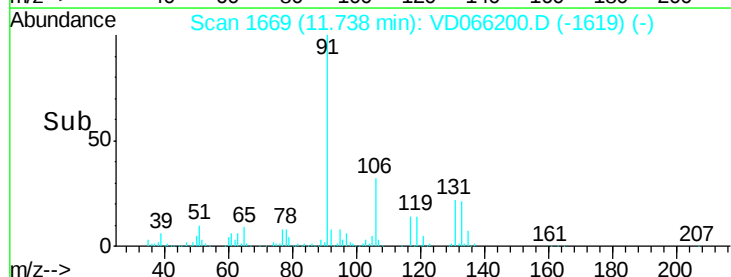
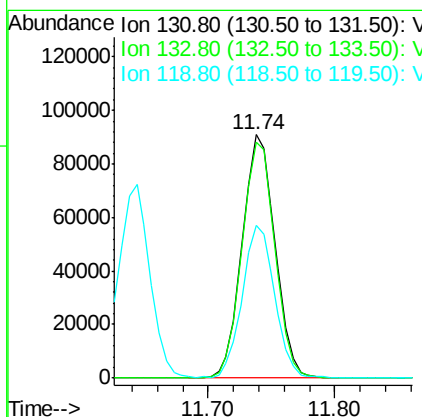
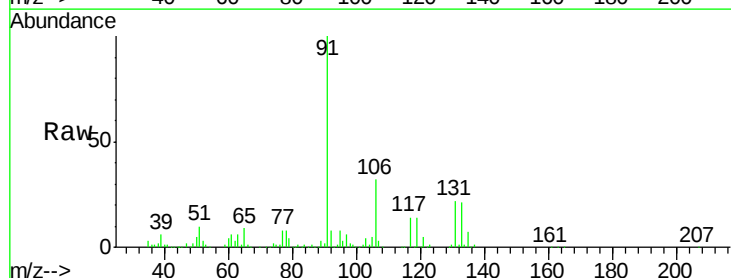
Manual Integrations
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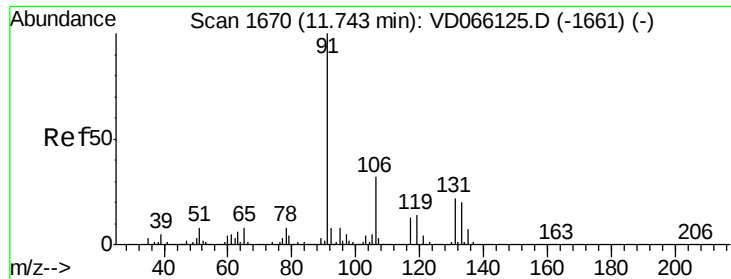
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.804 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.1	141.4
119	62.1	31.6	94.7





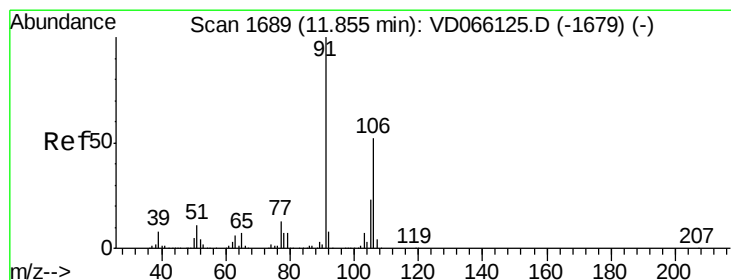
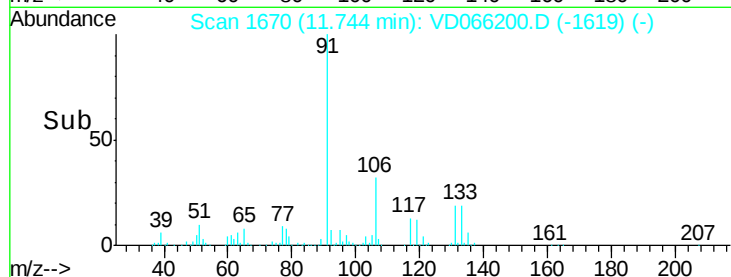
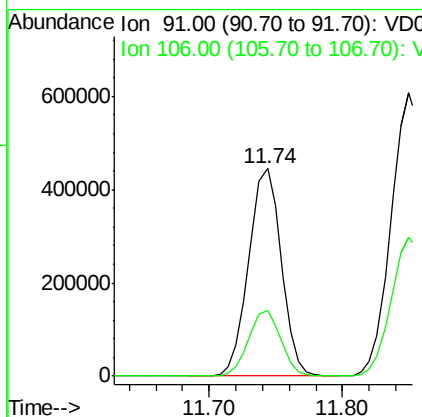
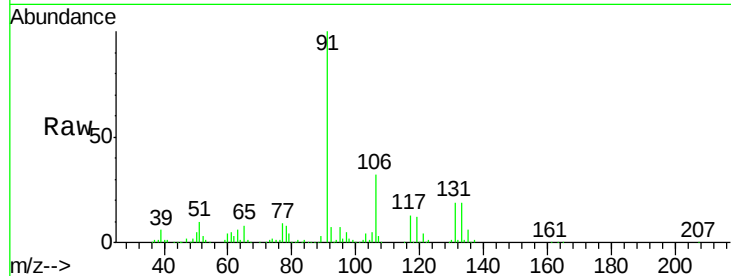
#67
Ethyl Benzene
Concen: 54.507 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	91.00	Resp	749596
Ion Ratio	100	Lower	Upper
106	31.7	25.7	38.5

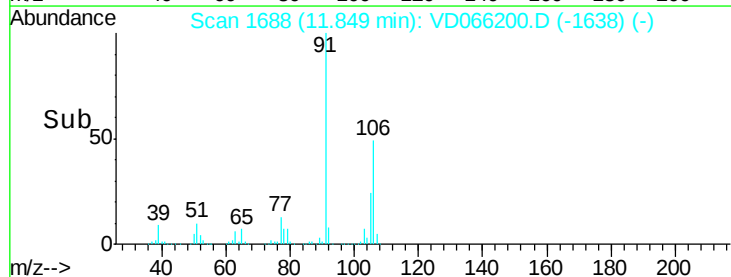
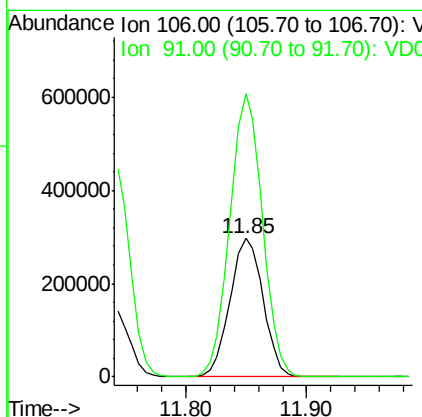
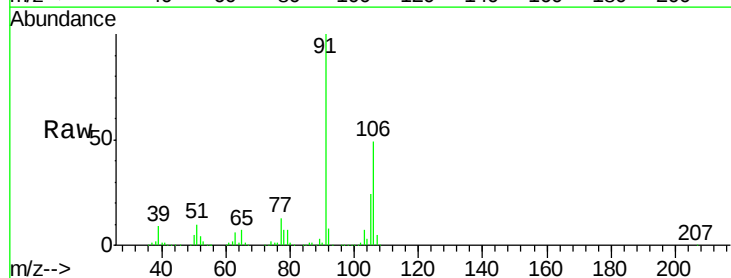
Manual Integrations
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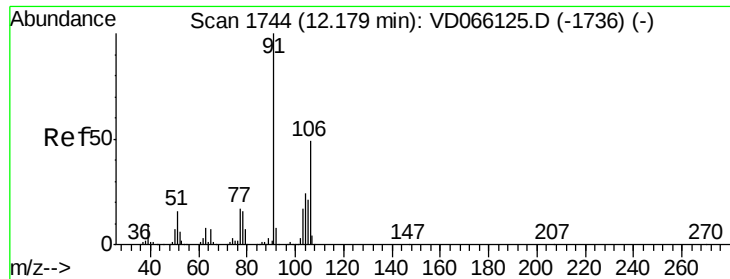
MMDadoda
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#68
m/p-Xylenes
Concen: 107.111 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	106	Resp	570706
Ion Ratio	100	Lower	Upper
91	200.6	156.6	235.0





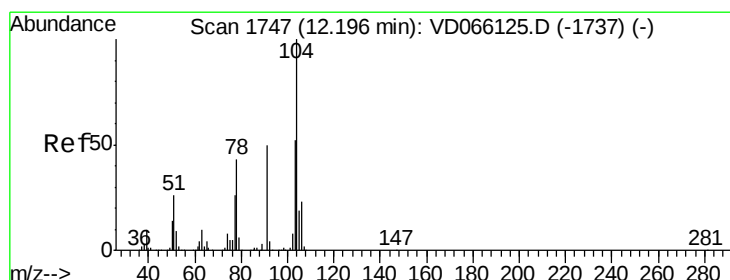
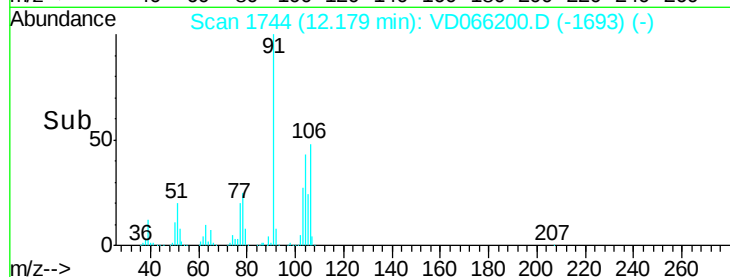
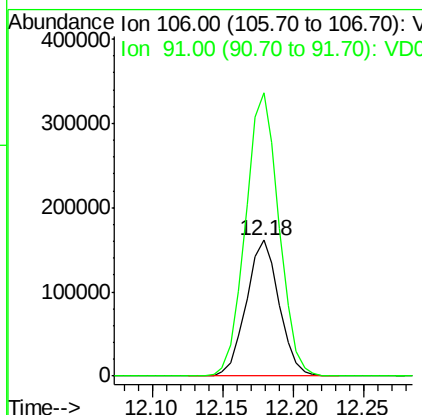
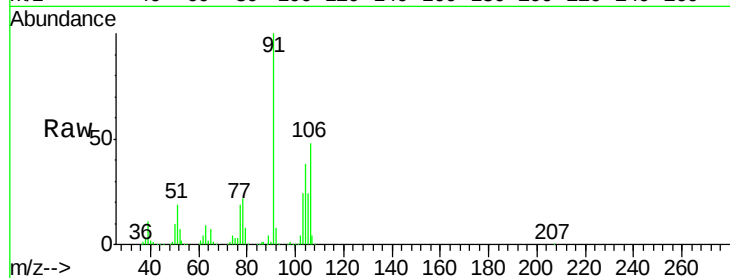
#69
o-Xylene
Concen: 54.155 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		262482		
91	212.3	105.7	317.1		

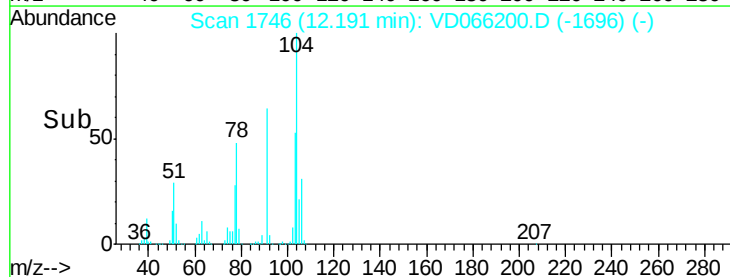
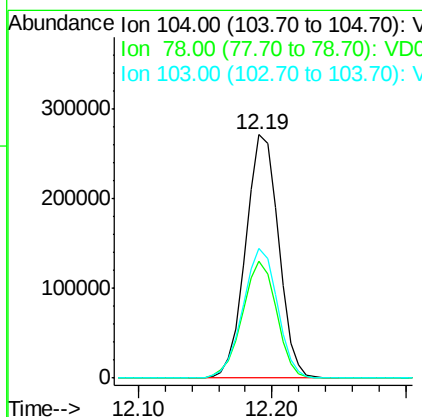
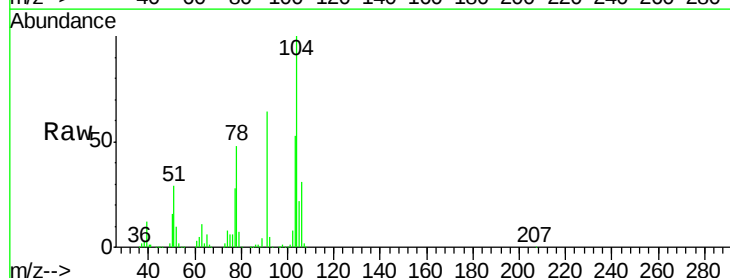
Manual Integrations
APPROVED

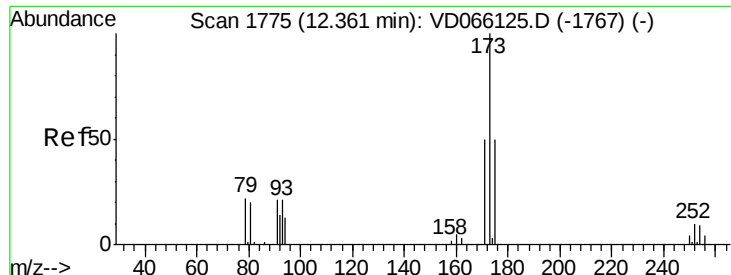
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#70
Styrene
Concen: 54.192 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		460322		
78	50.3	38.6	58.0		
103	55.9	44.1	66.1		





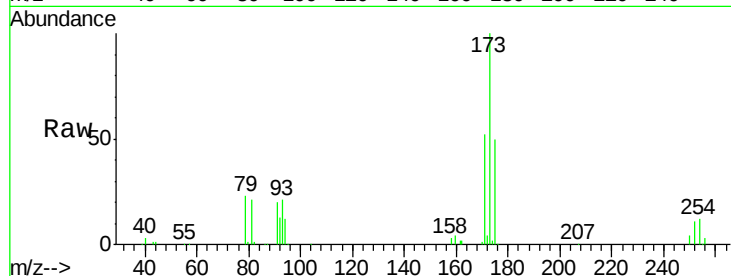
#71
Bromoform
Concen: 54.365 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

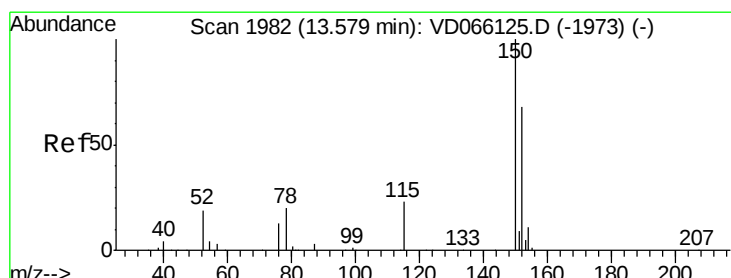
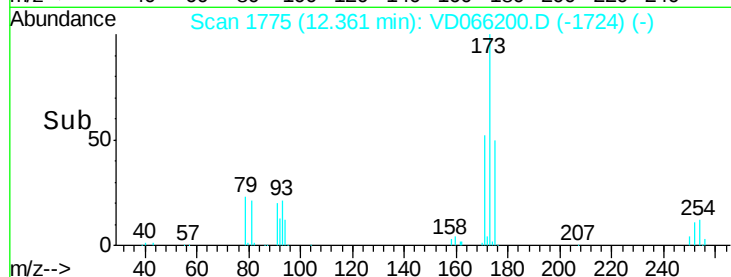
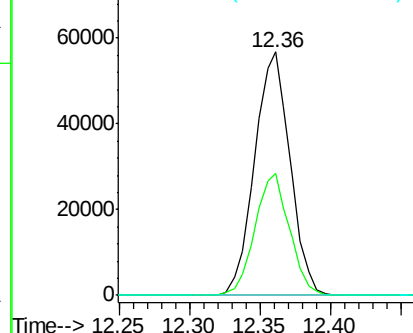
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.6
254	0.2	0.2	0.2

Manual Integrations
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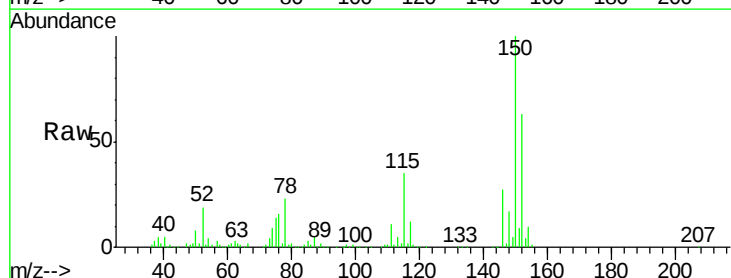


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

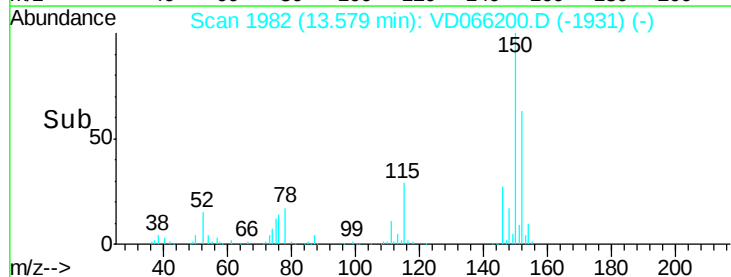
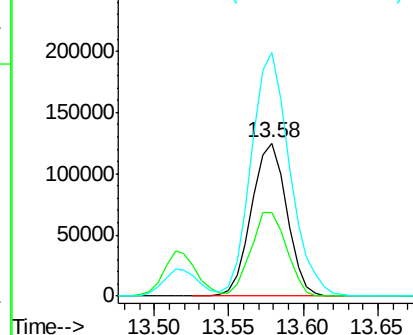


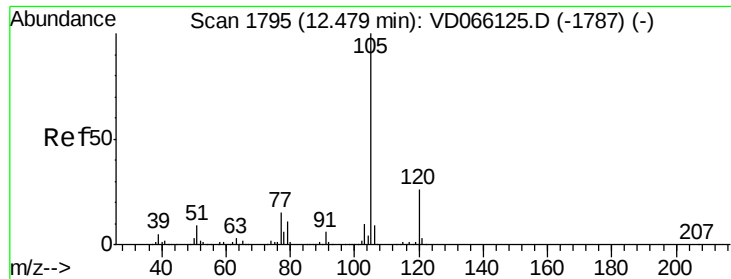
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.0	83.9
150	173.6	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





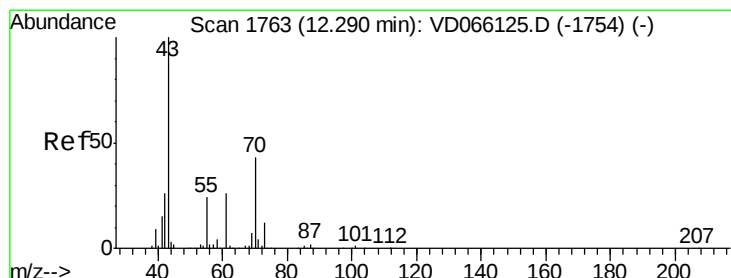
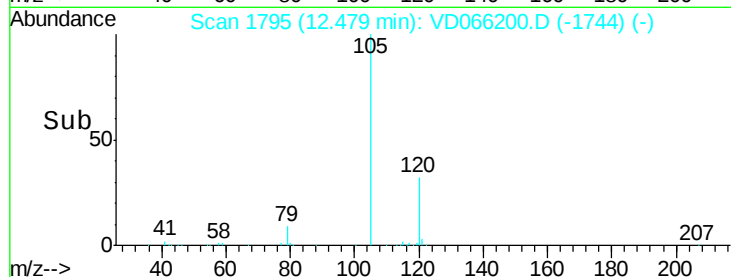
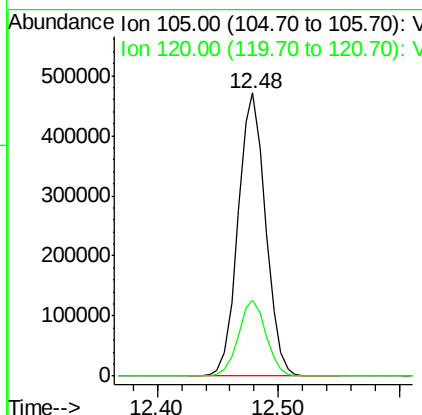
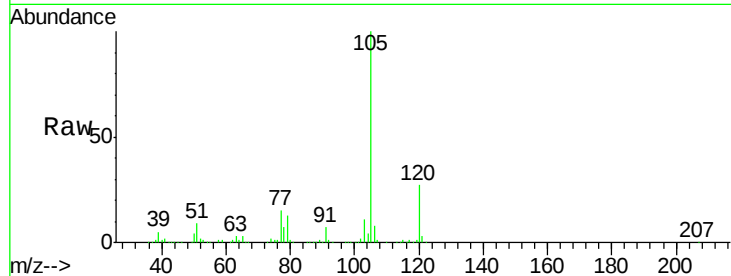
#73
Isopropylbenzene
Concen: 54.871 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

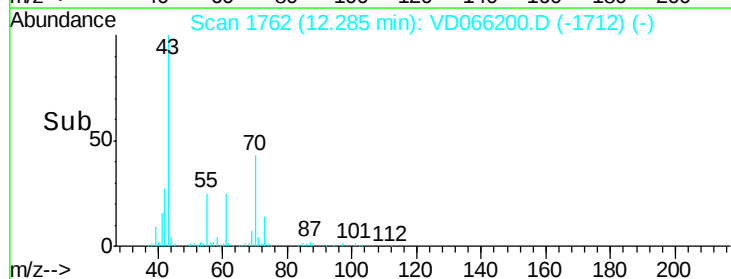
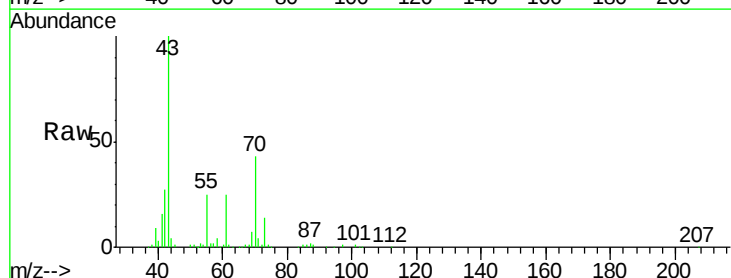
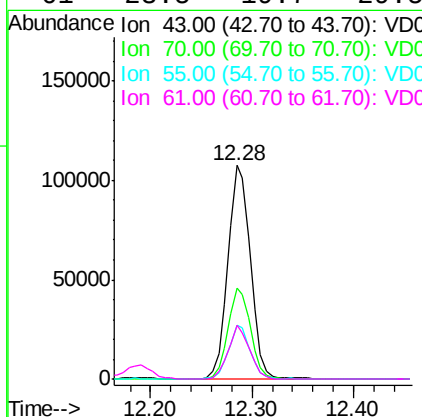
Manual Integrations
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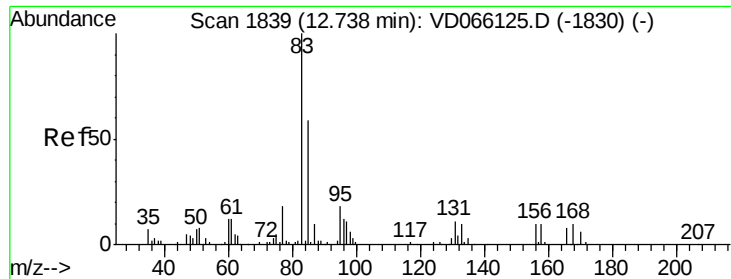
MMDadoda
8/13/2020 4:20:59 PM



#74
N-ethyl acetate
Concen: 55.216 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.9	52.3
55	24.3	19.2	28.8
61	23.5	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.243 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

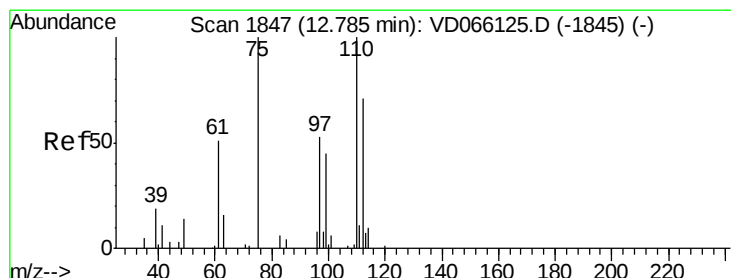
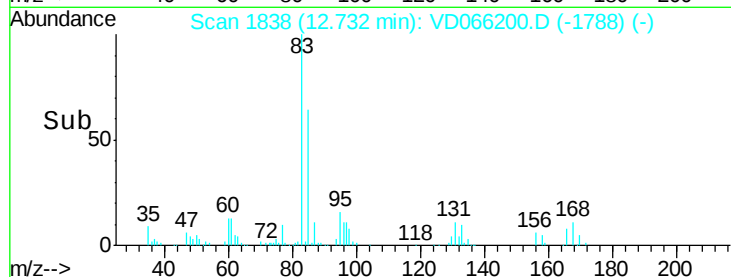
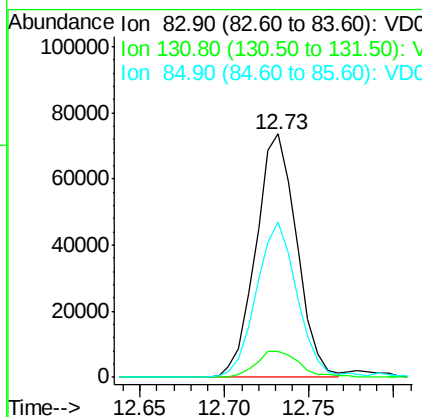
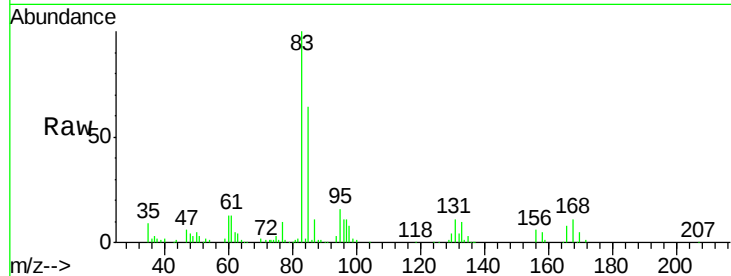
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123798
Ion Ratio	Lower	Upper	
83	100		
131	11.8	6.2	18.6
85	64.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.017 ug/l m

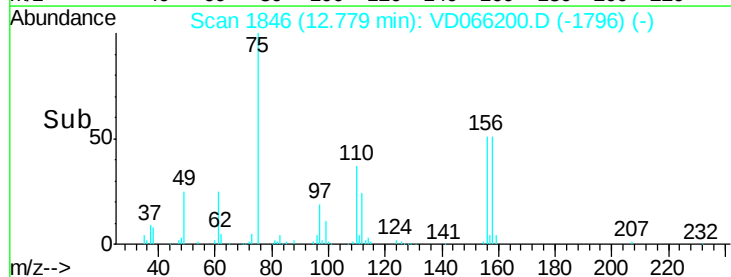
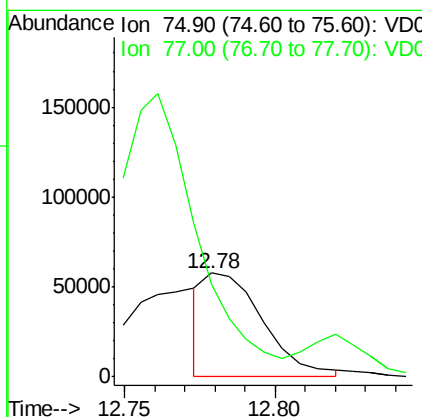
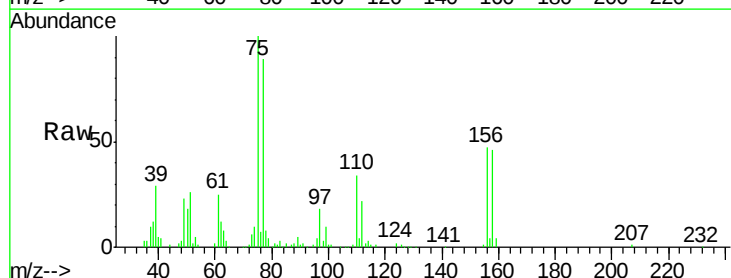
RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	75	Resp:	78391
Ion Ratio	Lower	Upper	
75	100		
77	383.6	0.0	0.0#





#77

Bromobenzene

Concen: 53.440 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

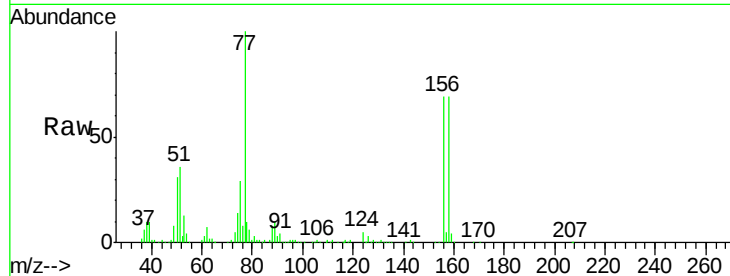
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	187584
Ion Ratio	Lower	Upper	
156	100		
77	160.3	81.0	243.1
158	97.7	48.8	146.3

Manual Integrations
APPROVED

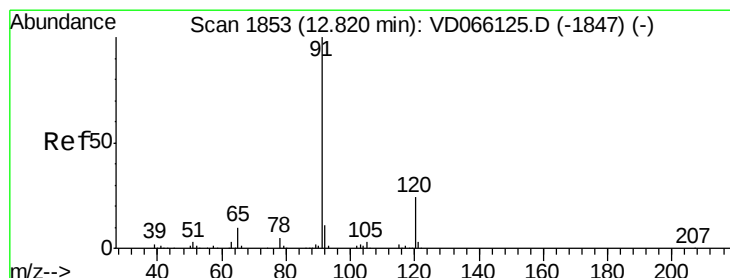
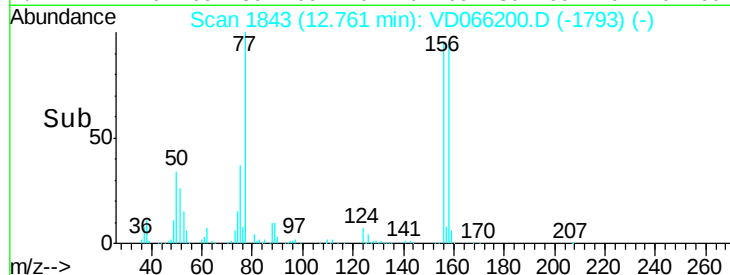
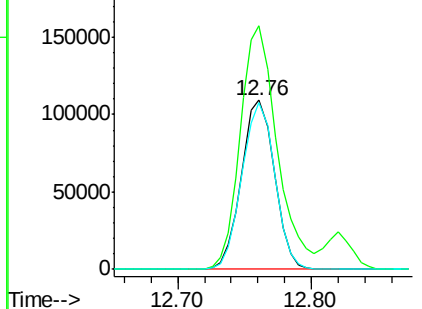
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.095 ug/l

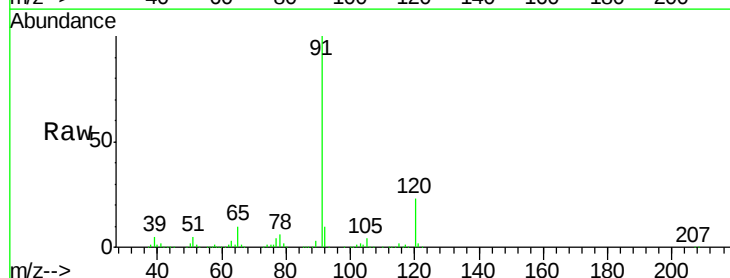
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066200.D

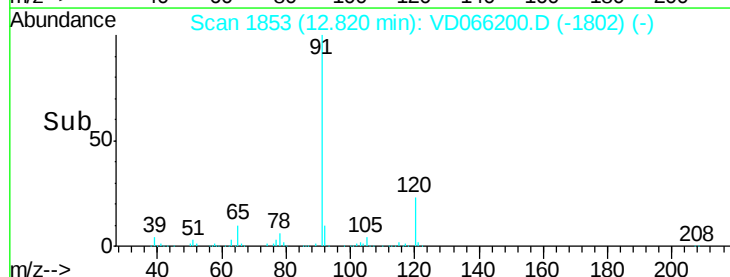
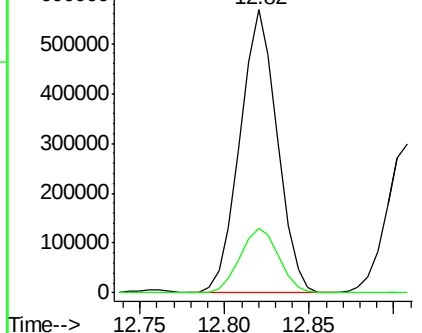
Acq: 12 Aug 2020 13:12

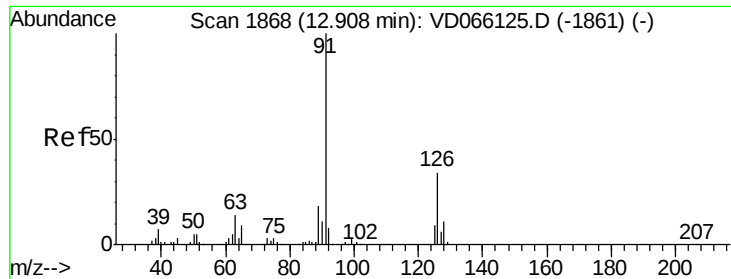
Tgt Ion:	91	Resp:	873292
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.557 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 485528

Ion Ratio Lower Upper

91 100

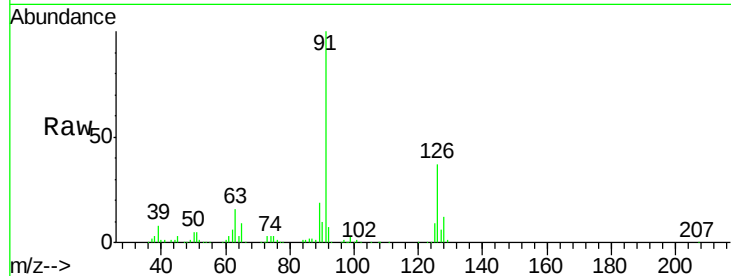
126 35.9 17.5 52.6

Manual Integrations

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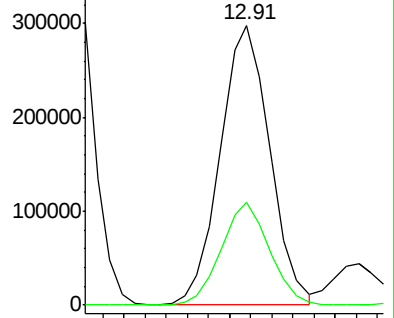
MMDadoda

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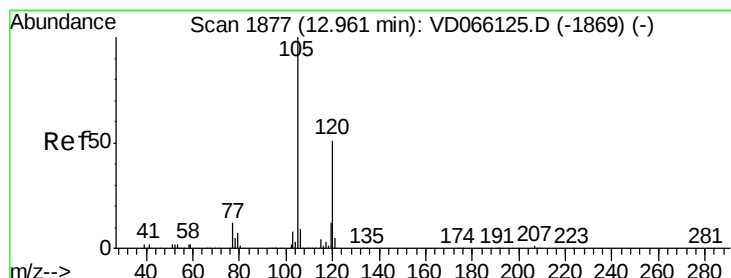
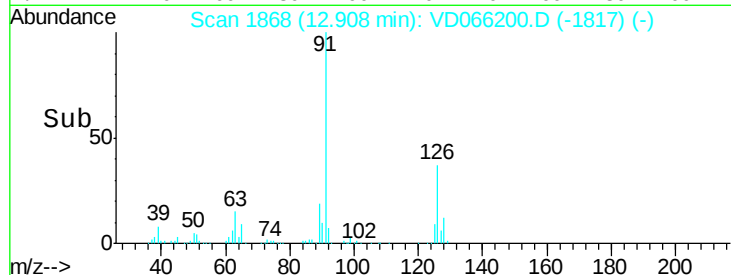


Abundance Ion 91.00 (90.70 to 91.70): VD066200.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066200.D (-1817) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.728 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066200.D

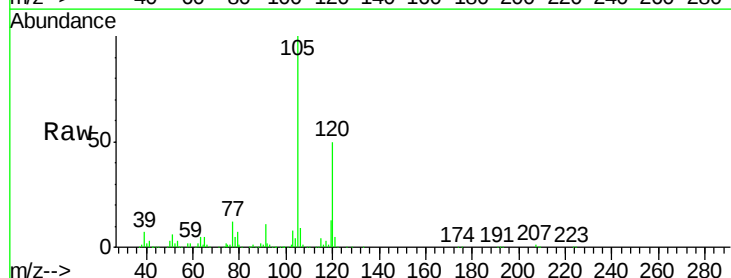
Acq: 12 Aug 2020 13:12

Tgt Ion: 105 Resp: 635506

Ion Ratio Lower Upper

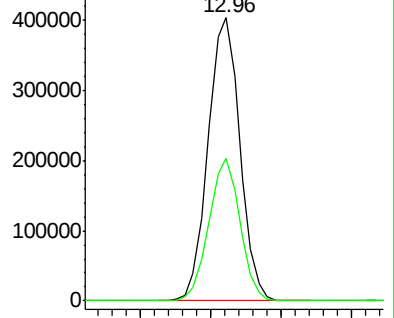
105 100

120 49.3 25.3 75.8

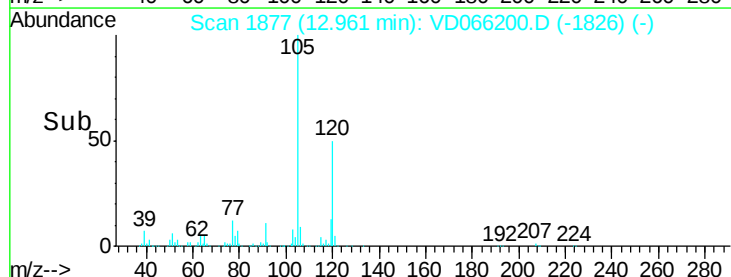


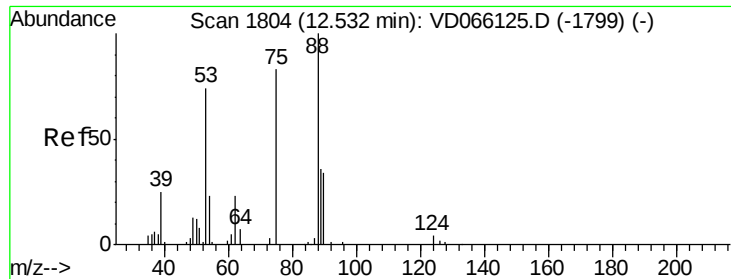
Abundance Ion 105.00 (104.70 to 105.70): VD066200.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066200.D (-1826) (-)



Time-->





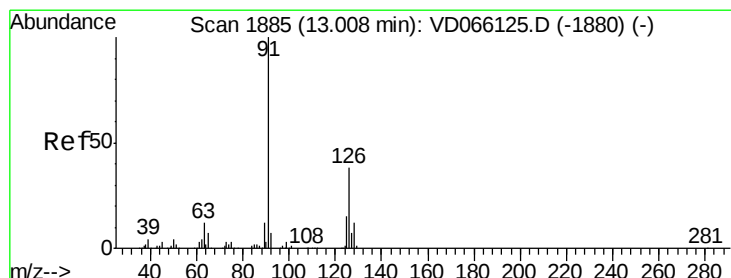
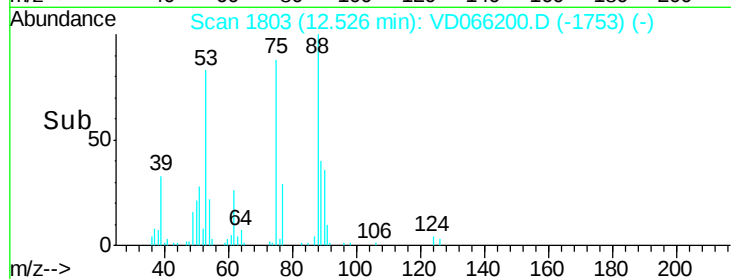
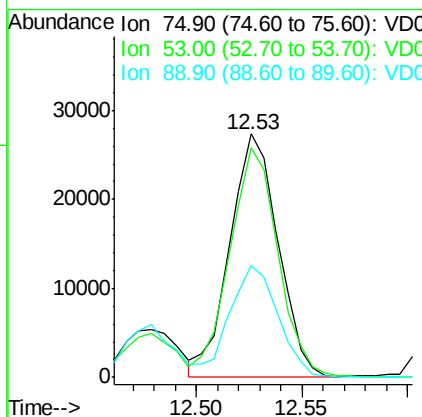
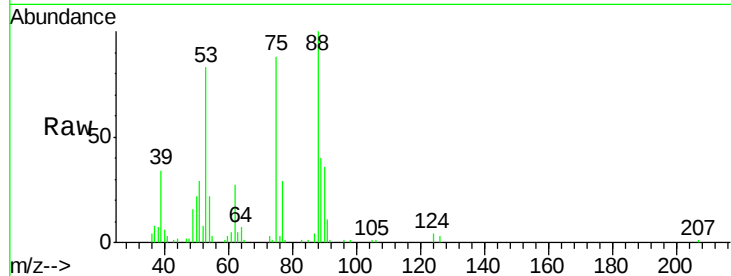
#81
trans-1,4-Dichloro-2-butene
Concen: 56.175 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.4	110.2
89	46.6	36.6	55.0

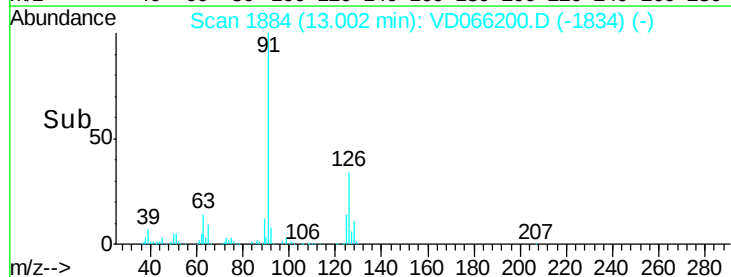
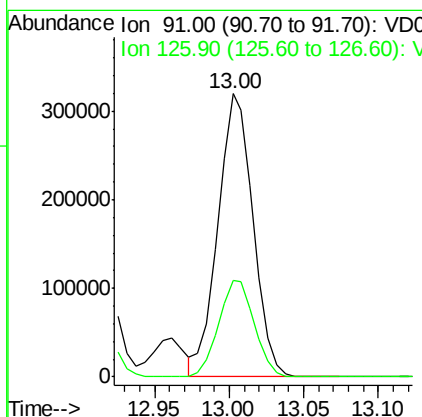
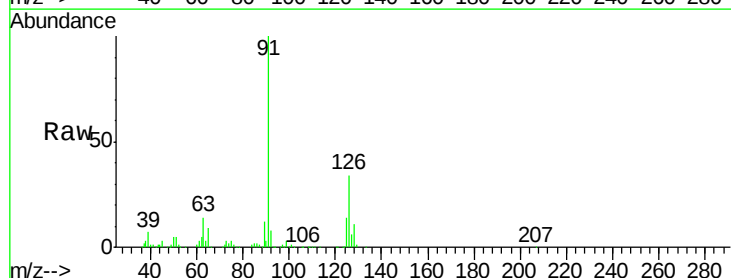
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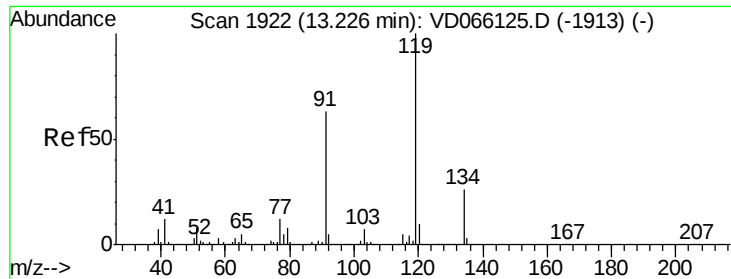
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#82
4-Chlorotoluene
Concen: 54.920 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.8	53.3





#83

tert-Butylbenzene

Concen: 55.264 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

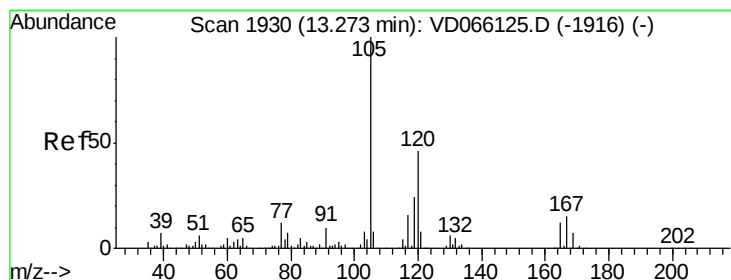
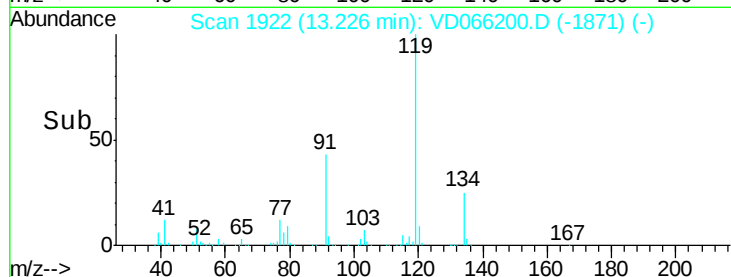
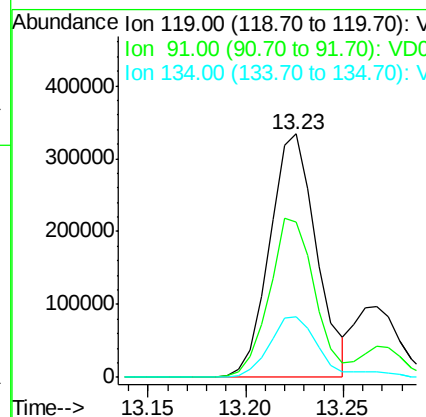
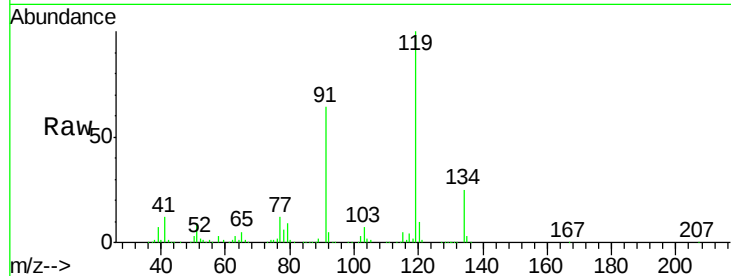
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	554234
Ion Ratio	Lower	Upper	
119	100		
91	63.3	30.8	92.4
134	25.4	13.6	40.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 55.000 ug/l

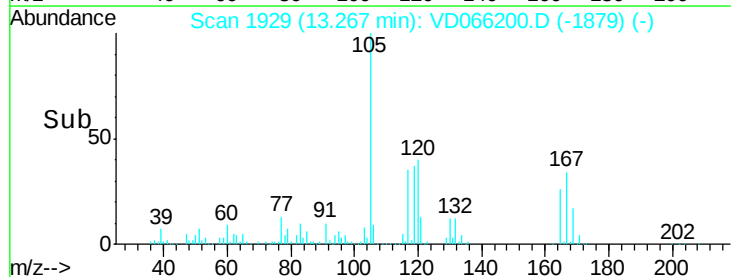
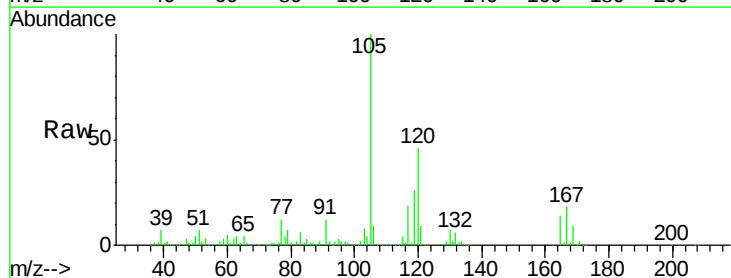
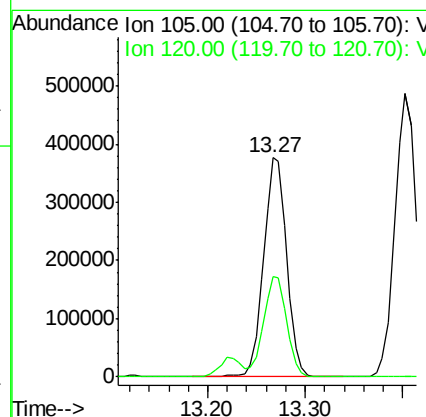
RT: 13.27 min Scan# 1929

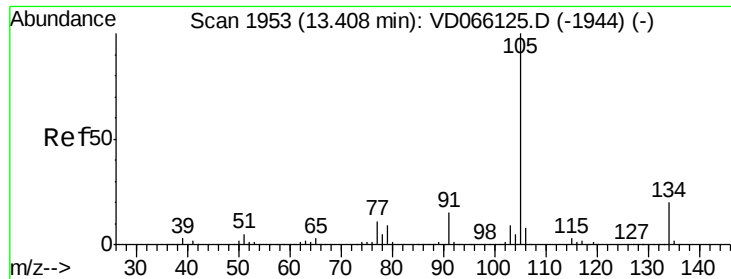
Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	105	Resp:	627686
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 55.594 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 752755

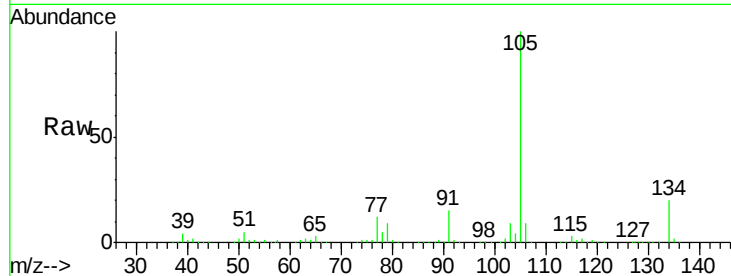
Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4

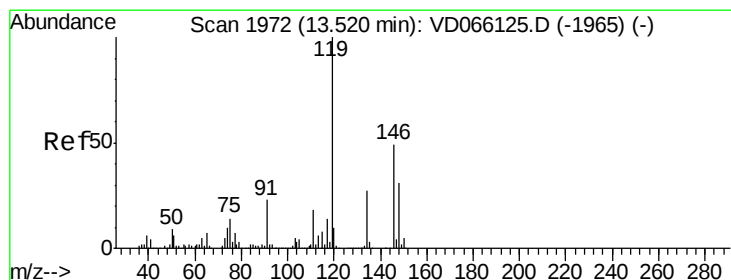
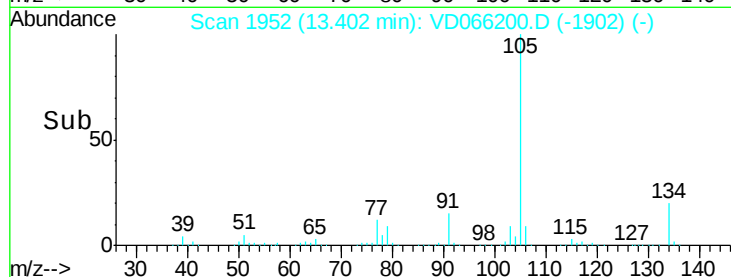
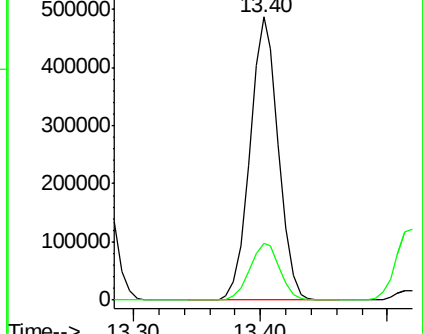
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.319 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

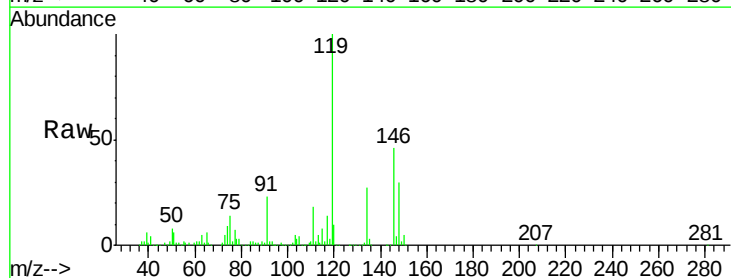
Tgt Ion:119 Resp: 702529

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

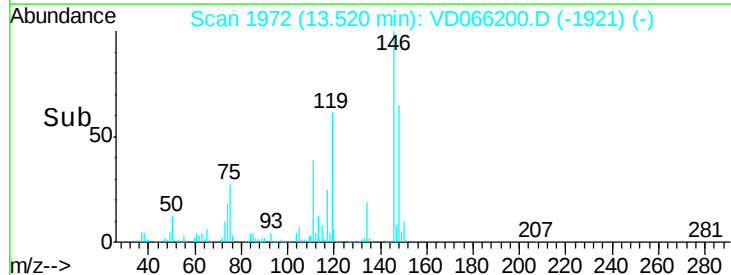
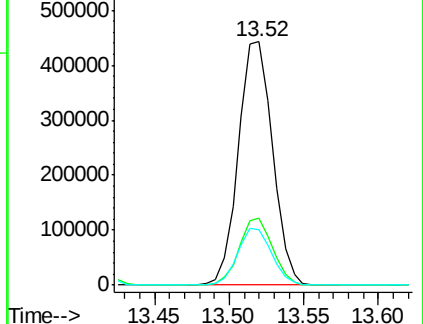
91 23.0 11.2 33.5

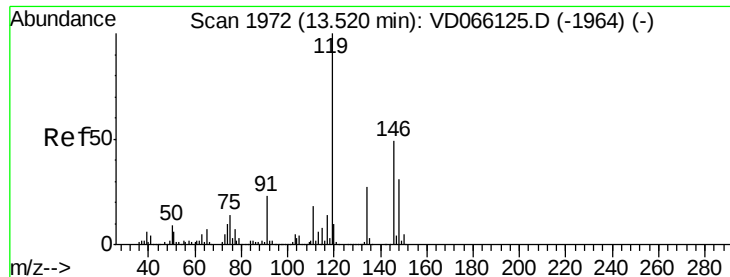


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.435 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

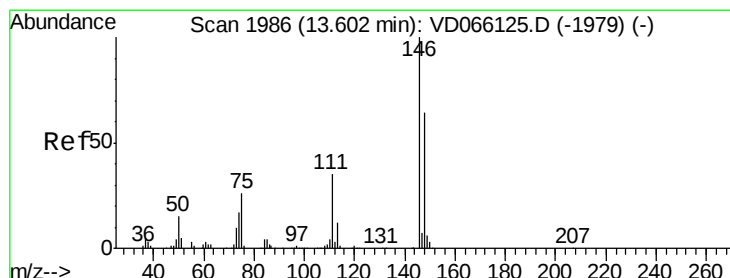
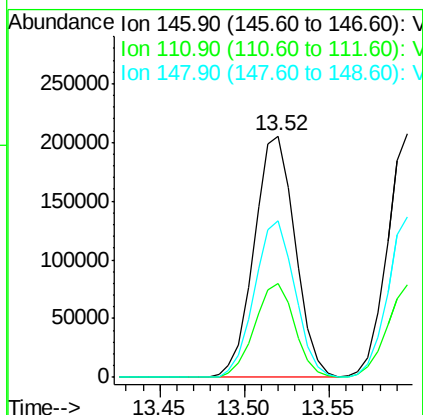
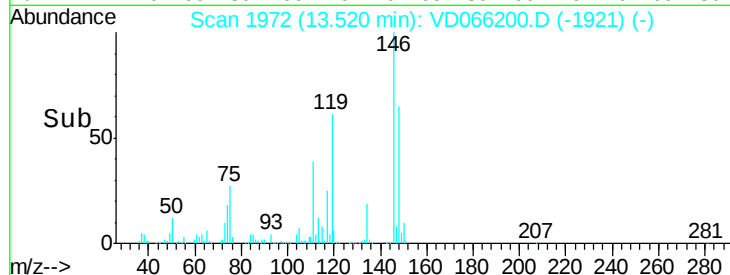
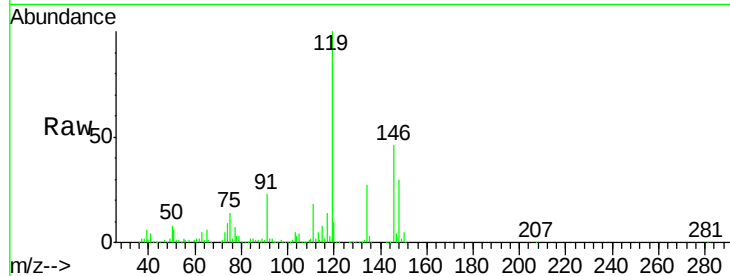
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	345921
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.9	56.9
148	64.0	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.136 ug/l

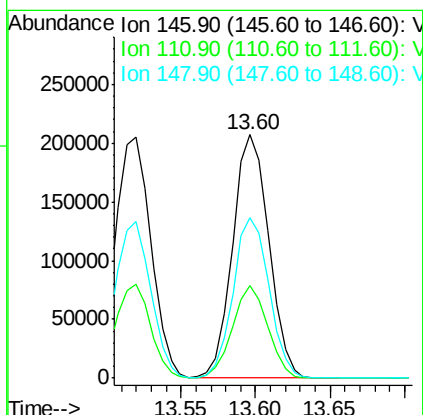
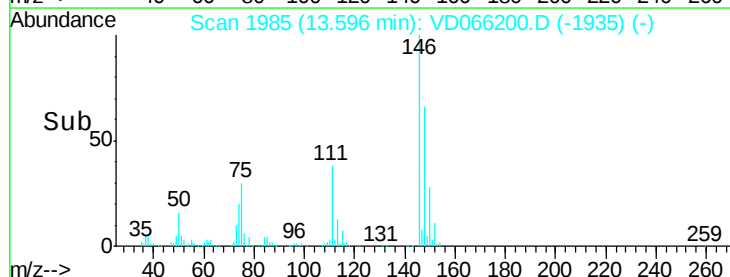
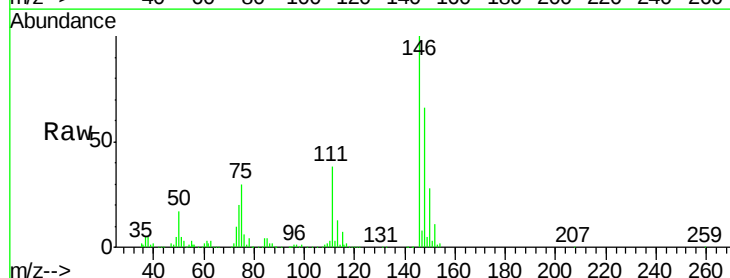
RT: 13.60 min Scan# 1985

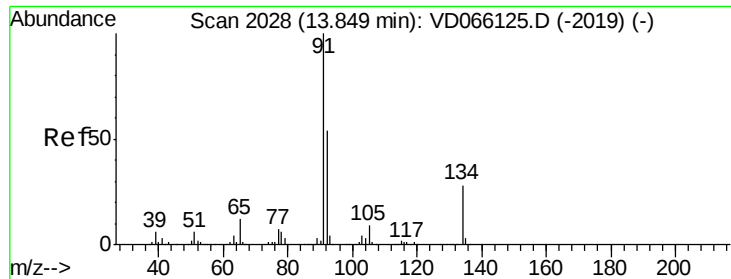
Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	146	Resp:	349596
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.6	55.8
148	65.4	32.4	97.0





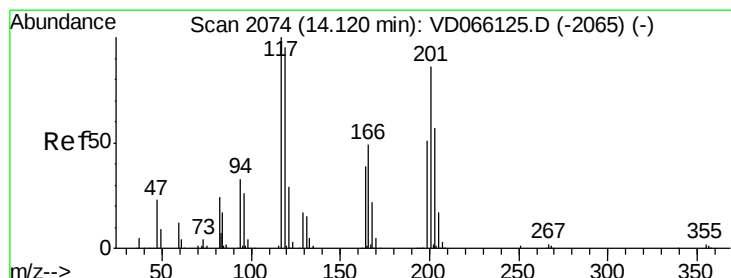
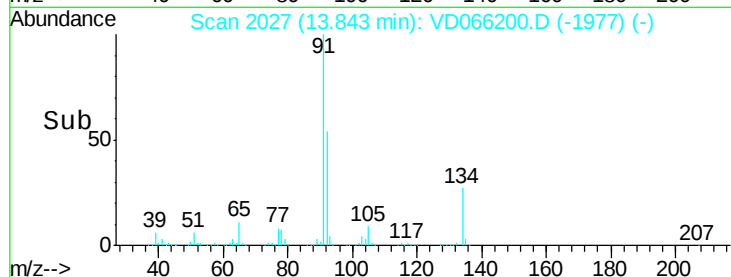
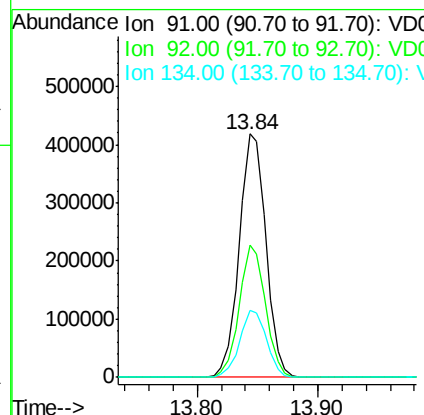
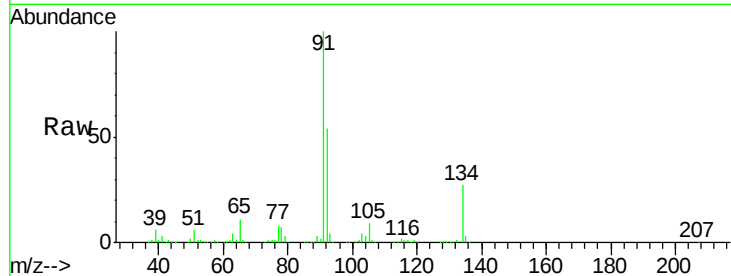
#89
n-Butylbenzene
Concen: 56.705 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.2	26.8	80.3	
134	27.7	14.0	41.9	

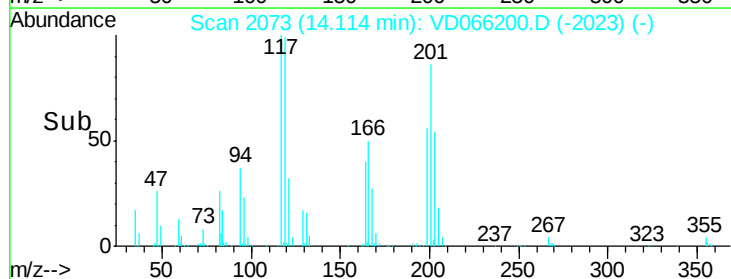
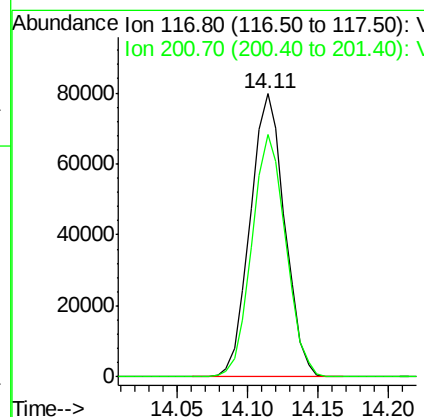
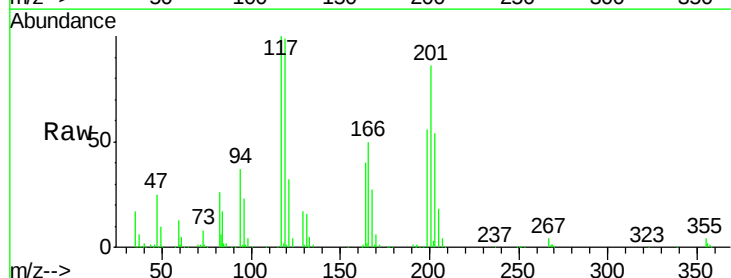
Manual Integrations
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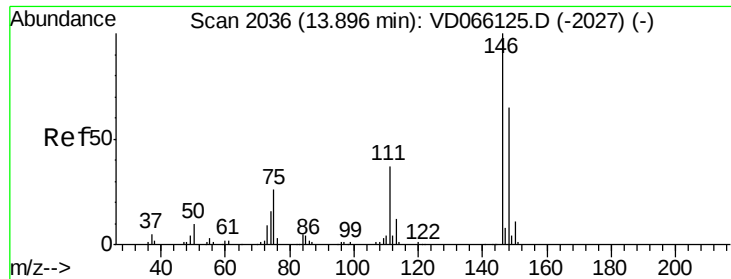
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#90
Hexachloroethane
Concen: 54.155 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.5	42.7	128.1	





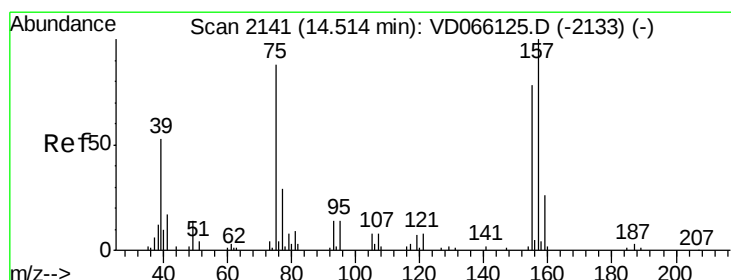
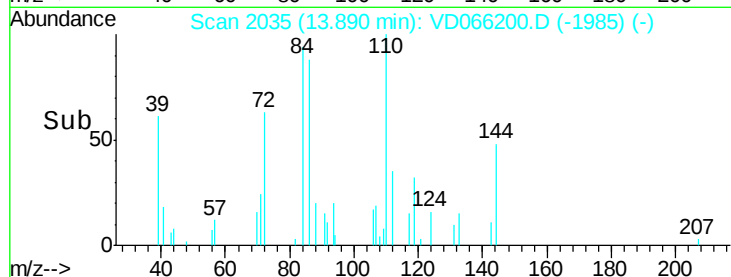
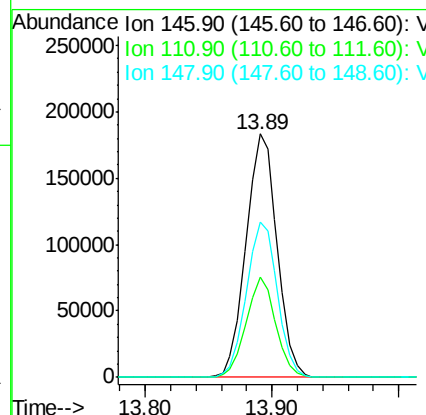
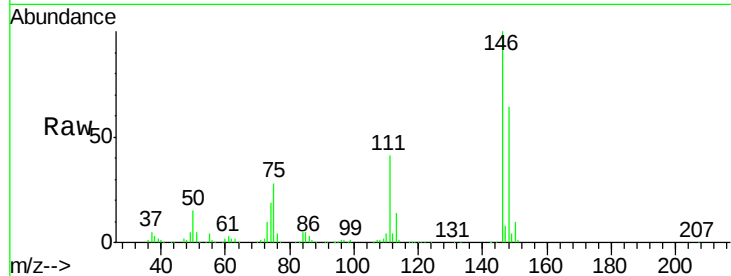
#91
 1,2-Dichlorobenzene
 Concen: 53.326 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	311122		
111	39.2	18.8	56.3	
148	63.5	31.9	95.5	

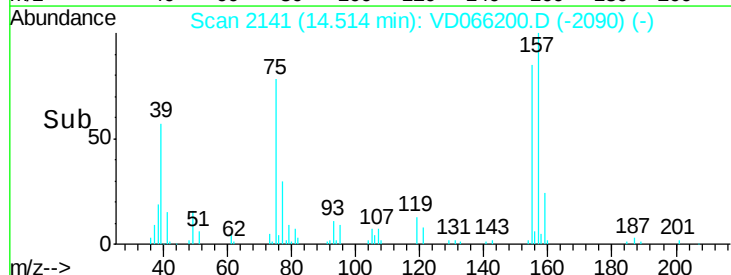
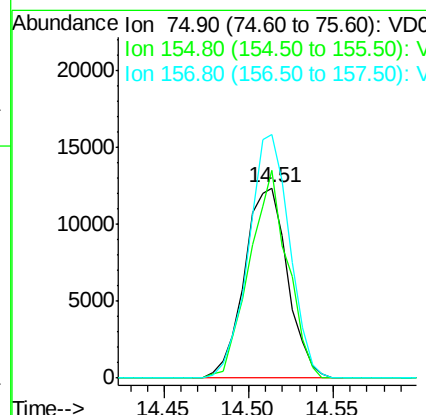
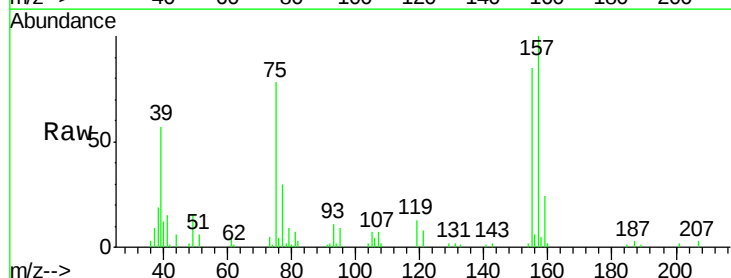
Manual Integrations
 APPROVED

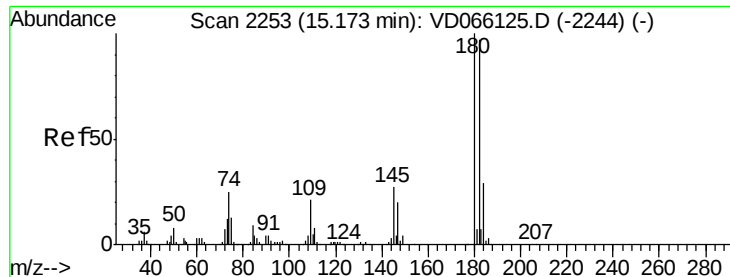
MMDadoda
 8/13/2020 4:20:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.005 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066200.D
 Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21981		
155	96.9	47.7	143.1	
157	122.0	62.1	186.2	





#93

1,2,4-Trichlorobenzene

Concen: 56.105 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Instrument :

MSVOA_D

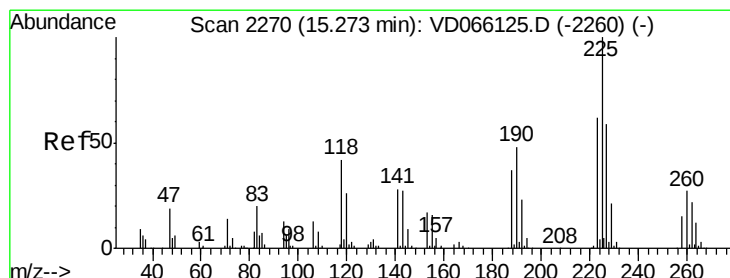
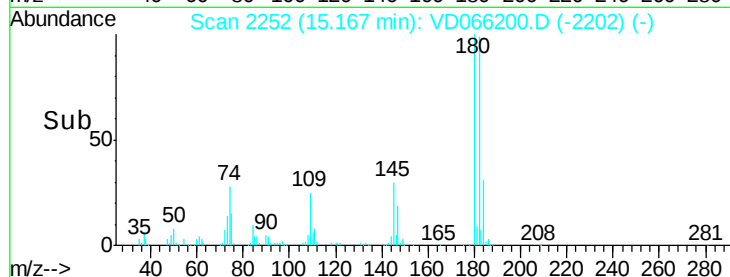
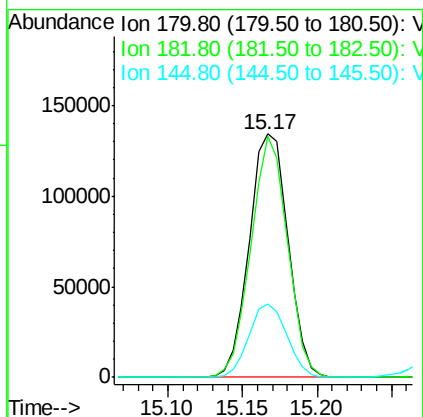
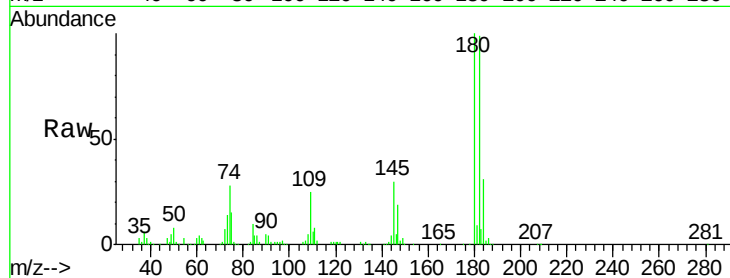
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	241226
Ion Ratio	Lower	Upper	
180	100		
182	93.2	47.4	142.2
145	29.6	14.5	43.6

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 56.914 ug/l

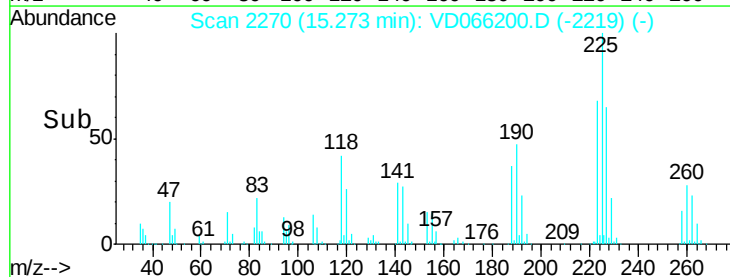
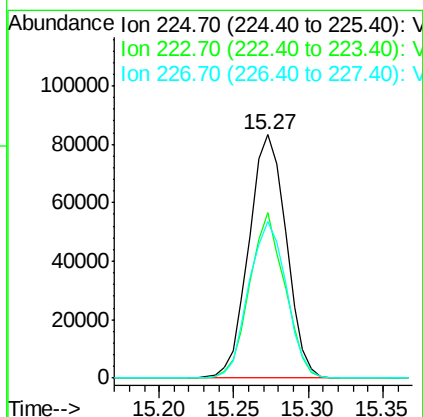
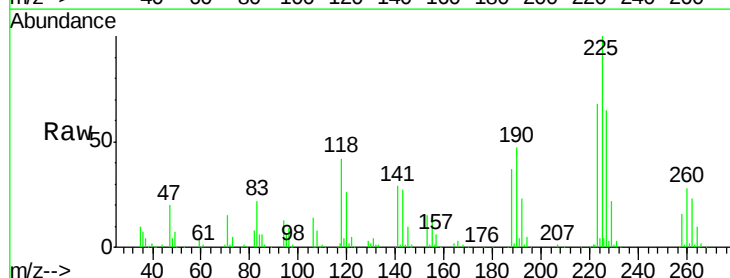
RT: 15.27 min Scan# 2270

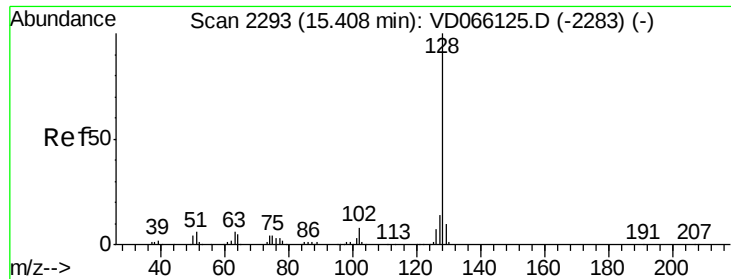
Delta R.T. 0.00 min

Lab File: VD066200.D

Acq: 12 Aug 2020 13:12

Tgt Ion:	225	Resp:	144098
Ion Ratio	Lower	Upper	
225	100		
223	64.2	32.3	96.9
227	65.0	32.1	96.5





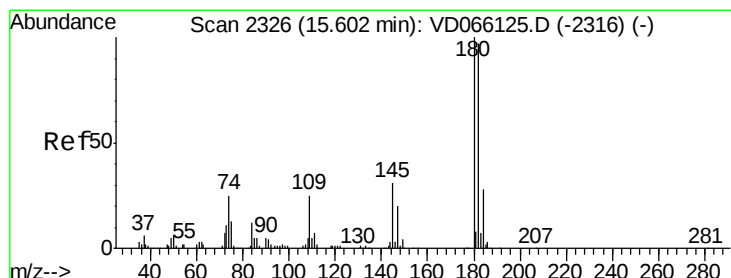
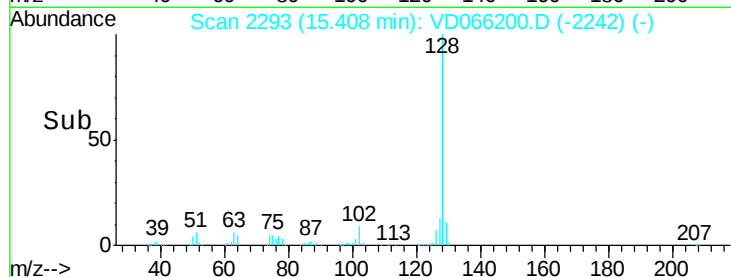
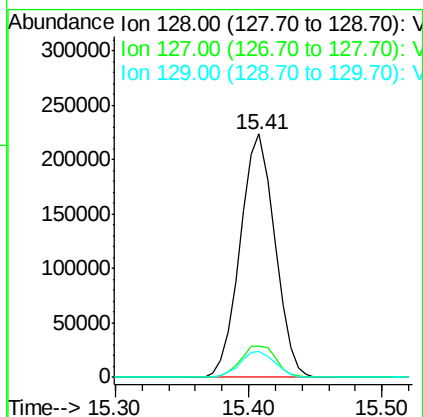
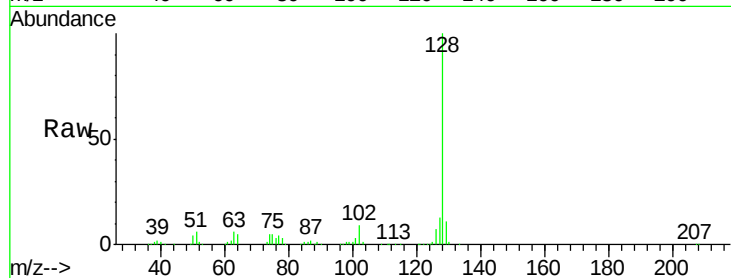
#95
Naphthalene
Concen: 57.455 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	402518		
127	13.4	11.0	16.4	
129	10.8	8.8	13.2	

Manual Integrations
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8/13/2020 4:20:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.084 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066200.D
Acq: 12 Aug 2020 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	209075		
182	94.3	47.1	141.4	
145	31.8	14.9	44.9	

