

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066964.D
 Acq On : 30 Sep 2020 04:13
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:22:19 PM

Quant Time: Sep 30 04:40:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	579948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173824	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	7.91	113	186695	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	10.34	98	651300	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
62) 4-Bromofluorobenzene	12.63	95	229904	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118595	44.153	ug/l	96
3) Chloromethane	2.21	50	146087	41.912	ug/l	96
4) Vinyl Chloride	2.35	62	142537	41.393	ug/l	96
5) Bromomethane	2.77	94	114259	47.208	ug/l	97
6) Chloroethane	2.93	64	95819	44.809	ug/l	89
7) Trichlorofluoromethane	3.27	101	315040	44.547	ug/l	96
8) Diethyl Ether	3.71	74	100669	56.071	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	186960	45.591	ug/l	99
10) Methyl Iodide	4.30	142	183859	50.808	ug/l	96
11) Tert butyl alcohol	5.22	59	64282	295.227	ug/l	99
12) 1,1-Dichloroethene	4.07	96	180862	48.687	ug/l	98
13) Acrolein	3.92	56	67835	247.655	ug/l	93
14) Allyl chloride	4.71	41	274336	50.292	ug/l	95
15) Acrylonitrile	5.42	53	221269	278.102	ug/l	98
16) Acetone	4.16	43	159773	202.845	ug/l	99
17) Carbon Disulfide	4.41	76	521913	45.955	ug/l	99
18) Methyl Acetate	4.73	43	102349	58.881	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	462990	57.391	ug/l	100
20) Methylene Chloride	4.97	84	241099	57.601	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	229990	53.470	ug/l	96
22) Diisopropyl ether	6.37	45	613976	54.743	ug/l	96
23) Vinyl Acetate	6.31	43	1588373	260.730	ug/l	97
24) 1,1-Dichloroethane	6.27	63	395828	52.755	ug/l	99
25) 2-Butanone	7.21	43	252303	266.548	ug/l	99
26) 2,2-Dichloropropane	7.21	77	290201	42.199	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	261791	56.016	ug/l	95
28) Bromochloromethane	7.55	49	152294	49.131	ug/l #	89
29) Tetrahydrofuran	7.56	42	167901	276.832	ug/l	98
30) Chloroform	7.71	83	432953	53.531	ug/l	99
31) Cyclohexane	7.98	56	287073	42.522	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	373374	51.032	ug/l	98
36) 1,1-Dichloropropene	8.11	75	302852	48.932	ug/l	99
37) Ethyl Acetate	7.30	43	117253	52.405	ug/l	97
38) Carbon Tetrachloride	8.10	117	328207	48.504	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	337075	47.434	ug/l	98
40) Benzene	8.35	78	904785	52.453	ug/l	97
41) Methacrylonitrile	7.54	41	81977m	59.578	ug/l	
42) 1,2-Dichloroethane	8.43	62	259165	50.823	ug/l	98
43) Isopropyl Acetate	8.45	43	226112	52.417	ug/l	98
44) Trichloroethene	9.11	130	257585	52.391	ug/l	98
45) 1,2-Dichloropropane	9.38	63	223972	51.607	ug/l	99
46) Dibromomethane	9.47	93	127041	53.877	ug/l	94
47) Bromodichloromethane	9.66	83	335302	52.934	ug/l	96
48) Methyl methacrylate	9.46	41	110702	52.050	ug/l	95
49) 1,4-Dioxane	9.46	88	31234	1187.490	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	602796	275.781	ug/l	99
52) Toluene	10.40	92	599711	53.975	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	293703	54.477	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	350078	53.253	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	176848	54.556	ug/l	96
56) Ethyl methacrylate	10.66	69	203764	58.677	ug/l	97
57) 1,3-Dichloropropane	10.94	76	295083	55.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	400028	243.287	ug/l	96
59) 2-Hexanone	10.98	43	402781	273.251	ug/l	97
60) Dibromochloromethane	11.14	129	236206	55.832	ug/l	100
61) 1,2-Dibromoethane	11.24	107	167572	55.578	ug/l	97
64) Tetrachloroethene	10.87	164	224554	53.829	ug/l	96
65) Chlorobenzene	11.67	112	649449	53.798	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	250794	54.890	ug/l	99
67) Ethyl Benzene	11.74	91	1129764	53.285	ug/l	99
68) m/p-Xylenes	11.86	106	870513	108.442	ug/l	100
69) o-Xylene	12.18	106	406015	55.935	ug/l	98
70) Styrene	12.20	104	711090	56.411	ug/l	100
71) Bromoform	12.36	173	131353	56.781	ug/l #	100
73) Isopropylbenzene	12.48	105	1087669	54.535	ug/l	99
74) N-amyl acetate	12.29	43	206742	53.081	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	183301	53.262	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	119899m	52.404	ug/l	
77) Bromobenzene	12.76	156	259229	55.574	ug/l	95
78) n-propylbenzene	12.83	91	1261360	52.570	ug/l	98
79) 2-Chlorotoluene	12.91	91	731181	53.476	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	925116	54.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51192	55.979	ug/l	95
82) 4-Chlorotoluene	13.01	91	770698	53.471	ug/l	99
83) tert-Butylbenzene	13.23	119	792337	56.978	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	938861	55.947	ug/l	100
85) sec-Butylbenzene	13.40	105	1052041	52.610	ug/l	100
86) p-Isopropyltoluene	13.52	119	993480	55.116	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	493687	53.571	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	492177	53.773	ug/l	99
89) n-Butylbenzene	13.85	91	883554	51.571	ug/l	99
90) Hexachloroethane	14.12	117	188925	51.627	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	434513	55.111	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29906	54.019	ug/l	94

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Instrument :
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ClientSampleId :
VSTDCCC050EC

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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	283232	57.066	ug/l	98
94) Hexachlorobutadiene	15.27	225	159218	53.533	ug/l	98
95) Naphthalene	15.41	128	522596	62.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	251390	58.684	ug/l	98

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

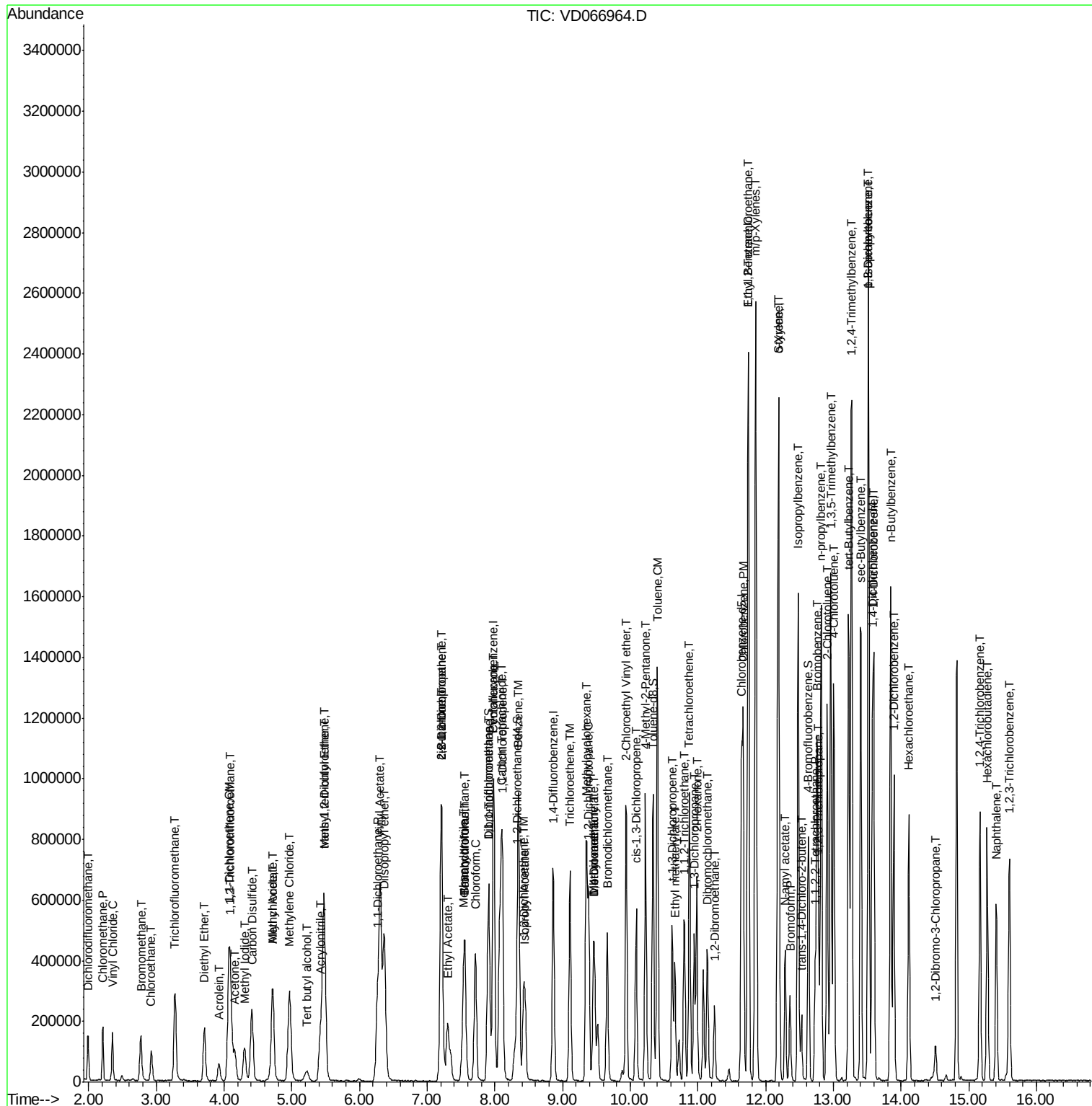
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092920\
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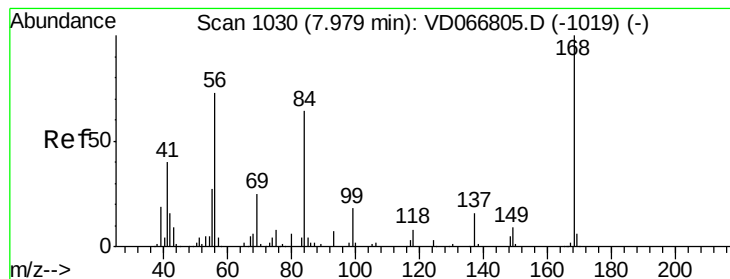
Instrument :
 MSVOA_D
 ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 379361

Ion Ratio Lower Upper

168 100

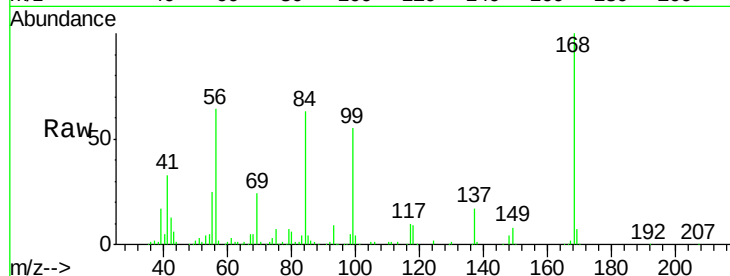
99 54.5 46.6 69.8

Manual Integrations

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9/30/2020 1:22:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

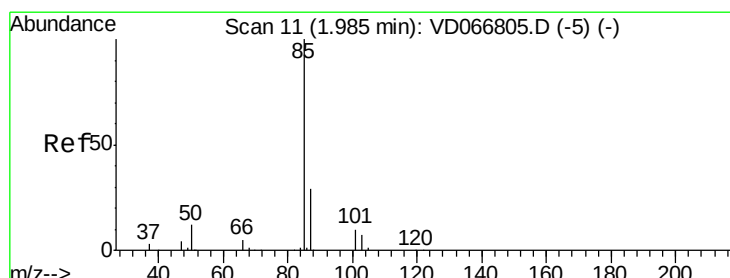
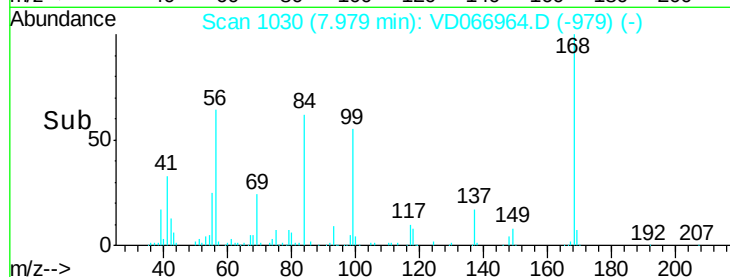
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.153 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066964.D

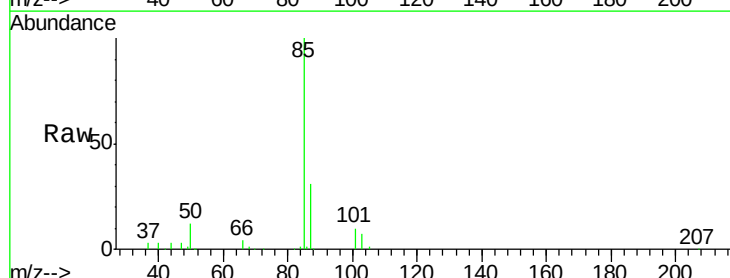
Acq: 30 Sep 2020 04:13

Tgt Ion: 85 Resp: 118595

Ion Ratio Lower Upper

85 100

87 31.2 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

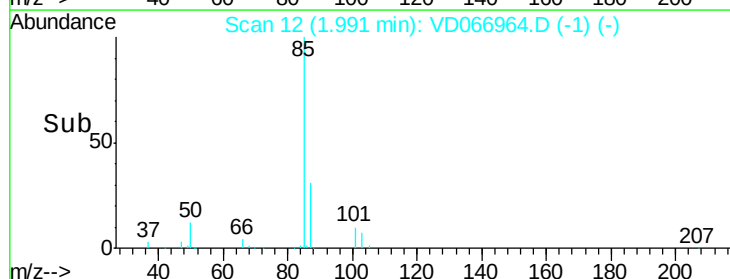
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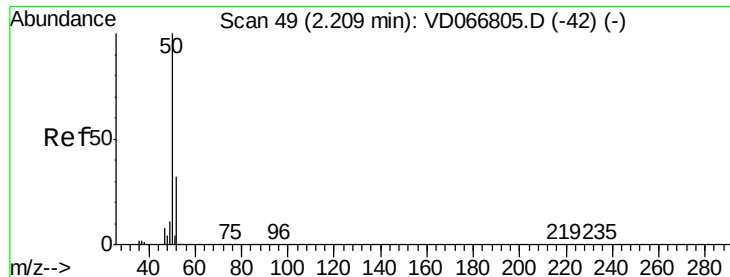
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.912 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 146087

Ion Ratio Lower Upper

50 100

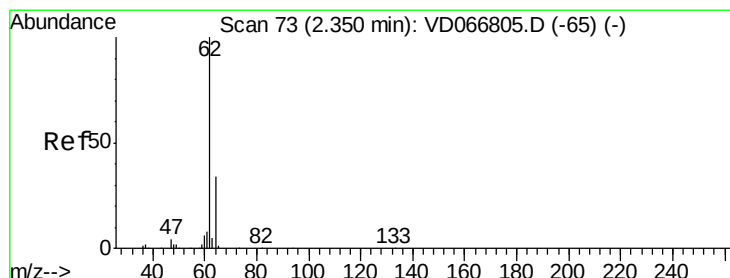
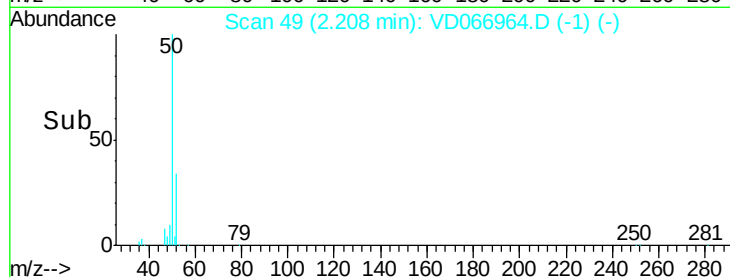
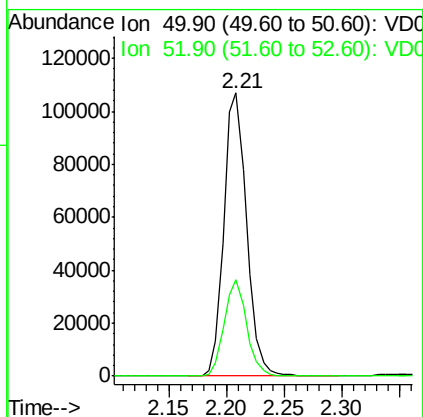
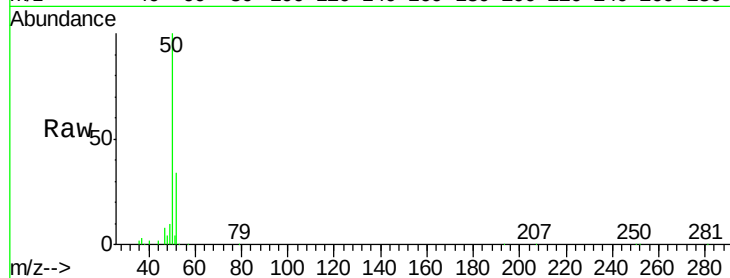
52 33.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 41.393 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066964.D

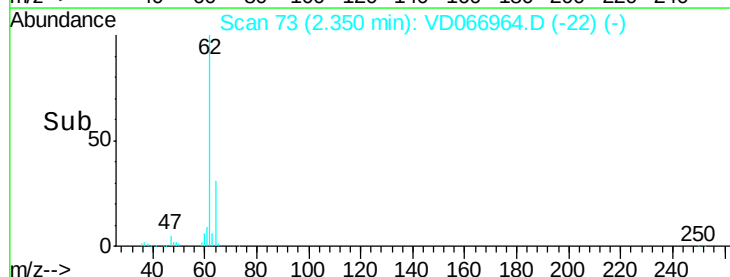
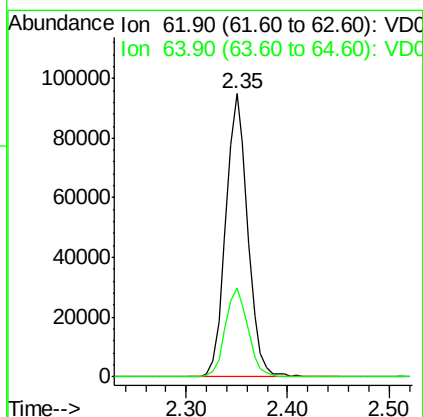
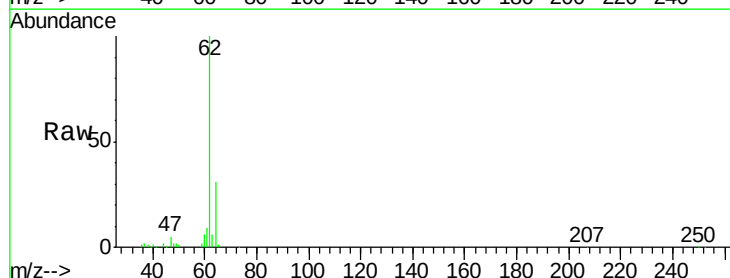
Acq: 30 Sep 2020 04:13

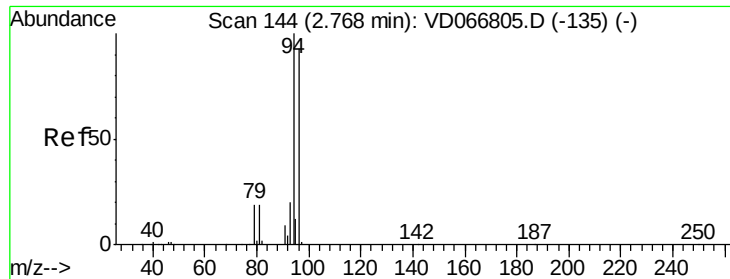
Tgt Ion: 62 Resp: 142537

Ion Ratio Lower Upper

62 100

64 31.2 27.0 40.4





#5

Bromomethane

Concen: 47.208 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tot Ion: 94 Resp: 114259

Ion Ratio Lower Upper

94 100

96 95.6 74.3 111.5

Instrument :

MSVOA_D

ClientSampleId :

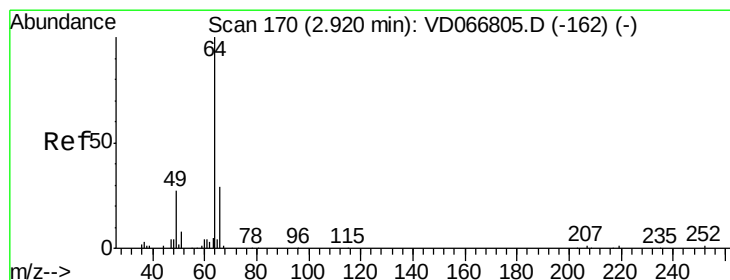
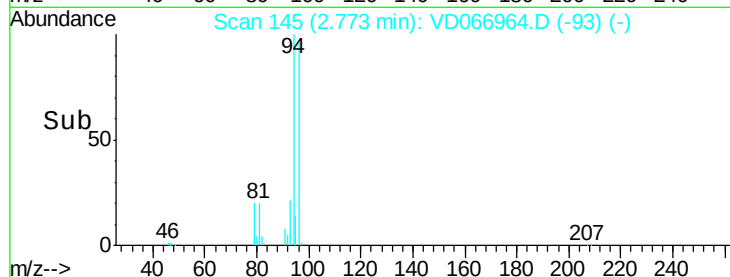
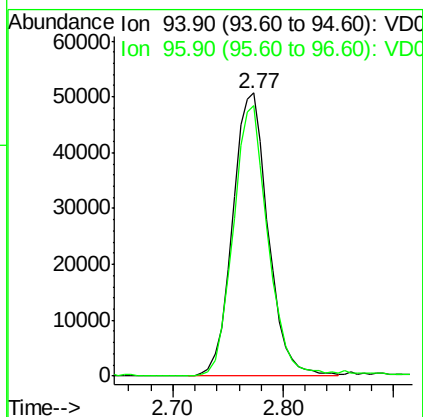
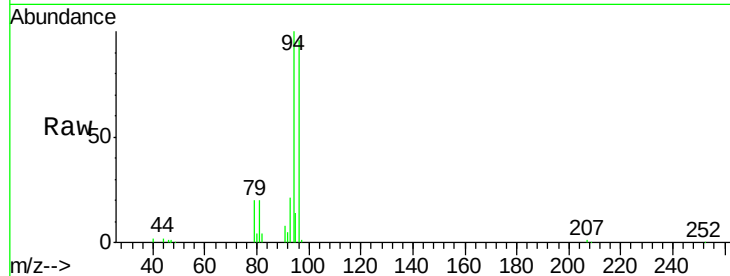
VSTDCCC050EC

Manual Integrations

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#6

Chloroethane

Concen: 44.809 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066964.D

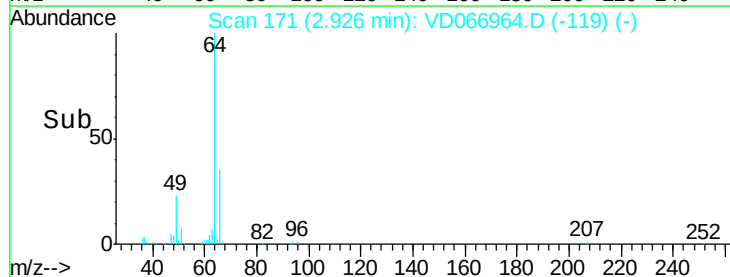
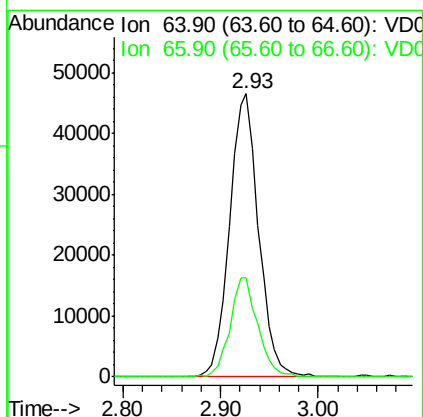
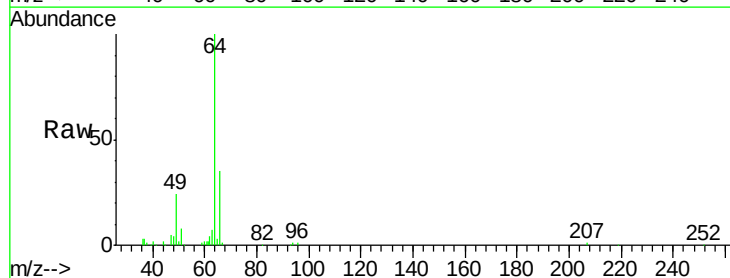
Acq: 30 Sep 2020 04:13

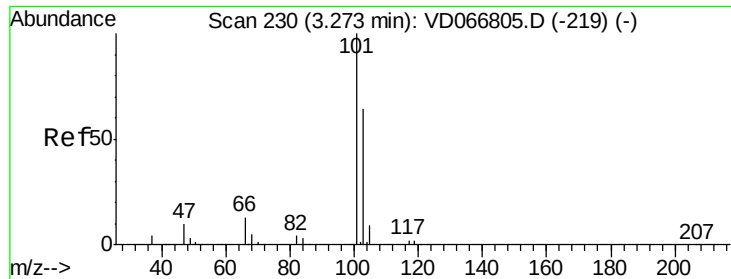
Tgt Ion: 64 Resp: 95819

Ion Ratio Lower Upper

64 100

66 34.8 23.3 34.9





#7

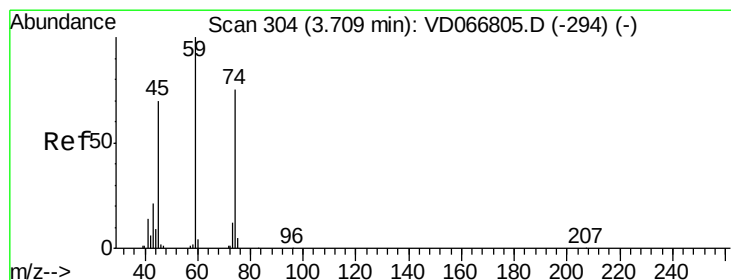
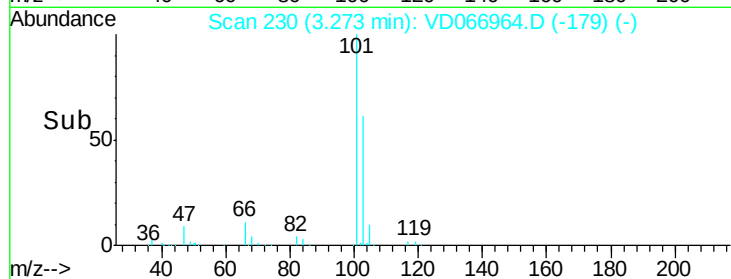
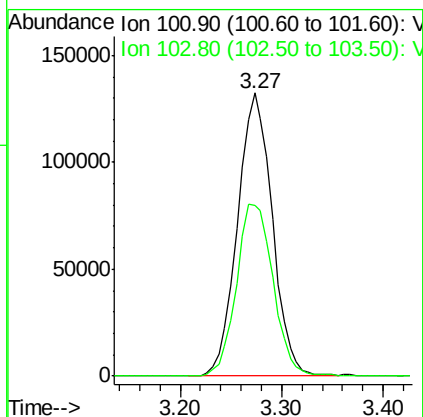
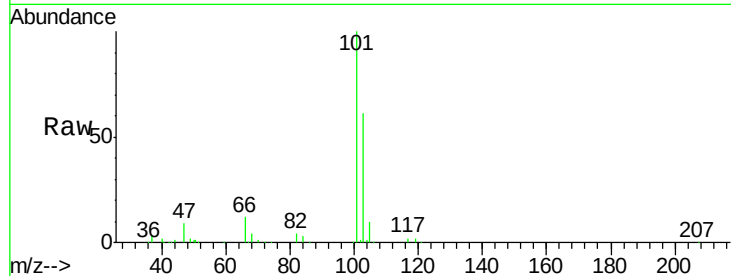
Trichlorofluoromethane
 Concen: 44.547 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		315040		
103	60.5	51.0	76.6		

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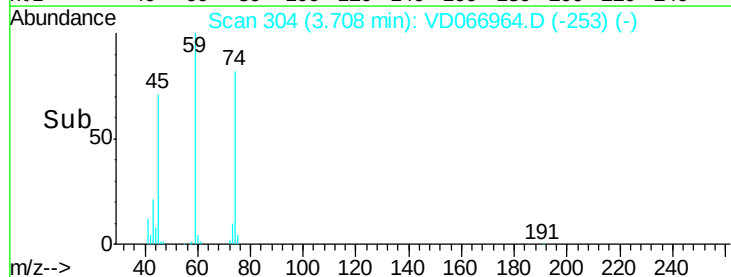
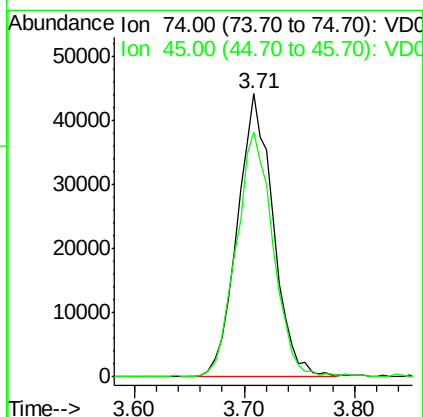
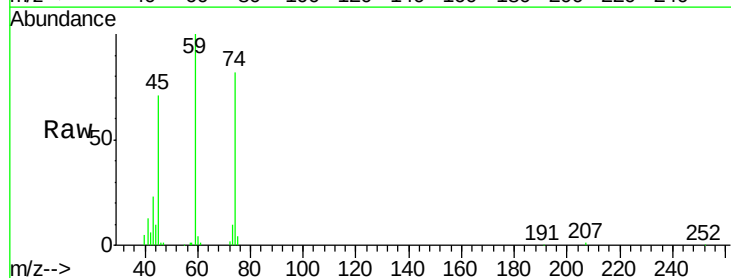
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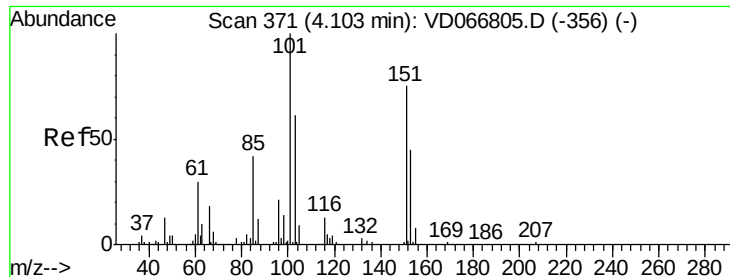


#8

Diethyl Ether
 Concen: 56.071 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		100669		
45	88.9	46.0	138.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.591 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

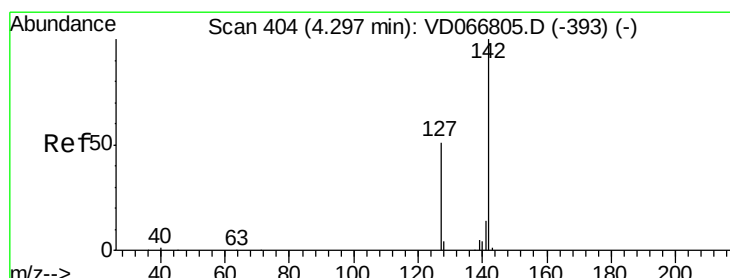
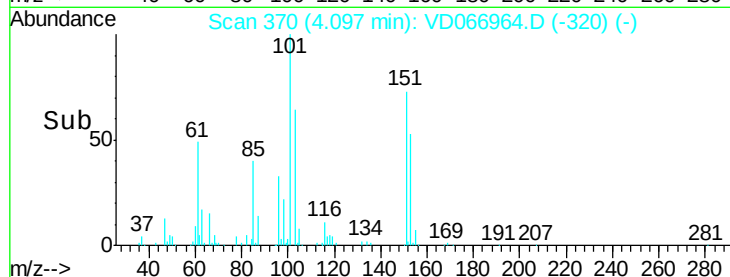
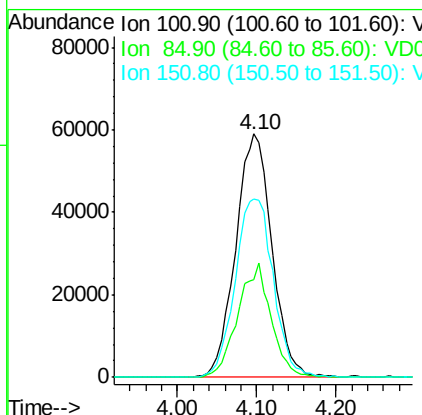
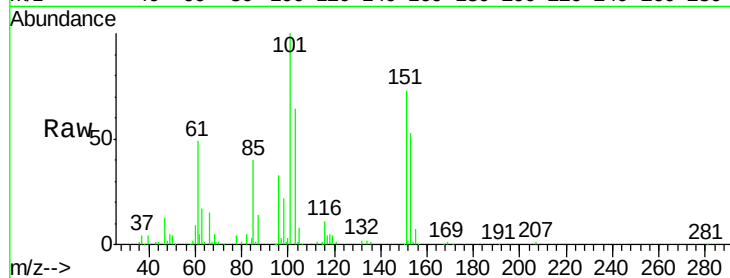
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	186960
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.4	53.2
151	77.2	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 50.808 ug/l

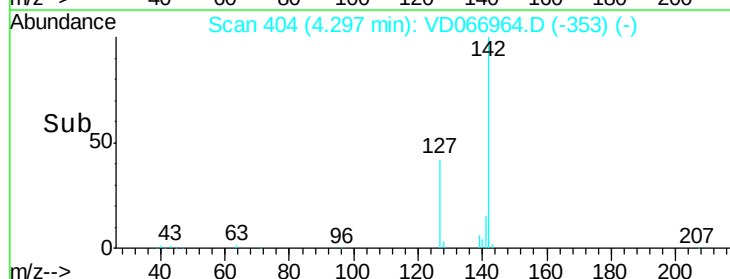
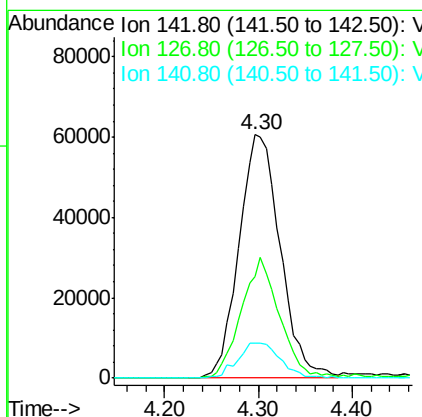
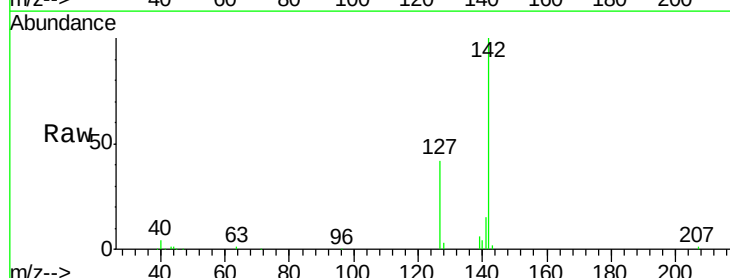
RT: 4.30 min Scan# 404

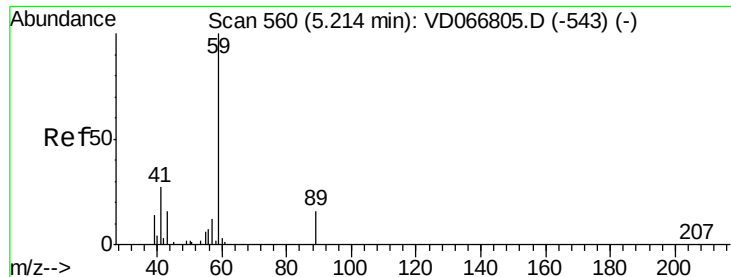
Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	142	Resp:	183859
Ion Ratio	Lower	Upper	
142	100		
127	46.1	39.4	59.0
141	14.8	12.1	18.1





#11

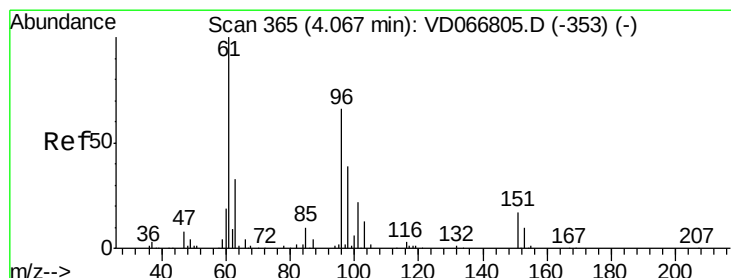
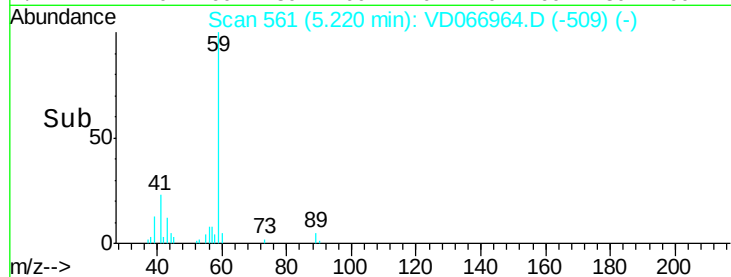
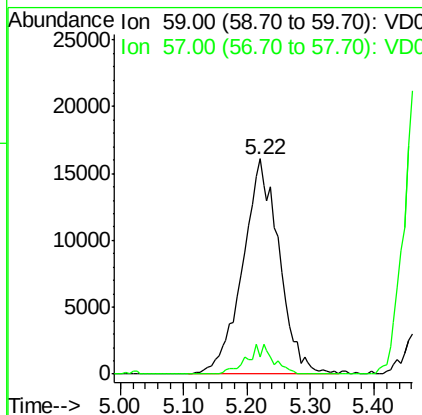
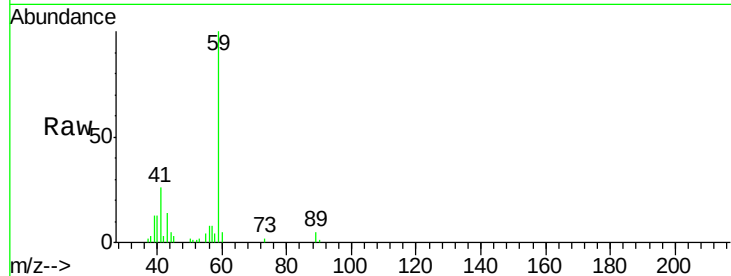
Tert butyl alcohol
Concen: 295.227 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	64282
Ion Ratio	100	Lower	Upper
57	10.0	8.3	12.5

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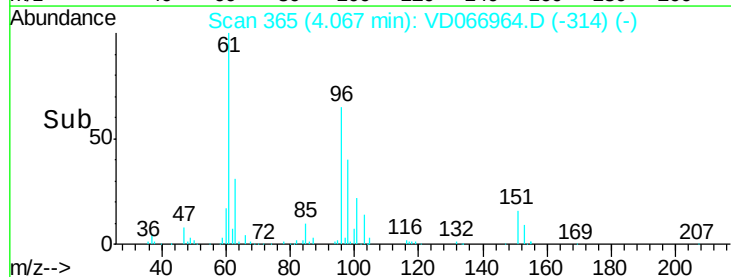
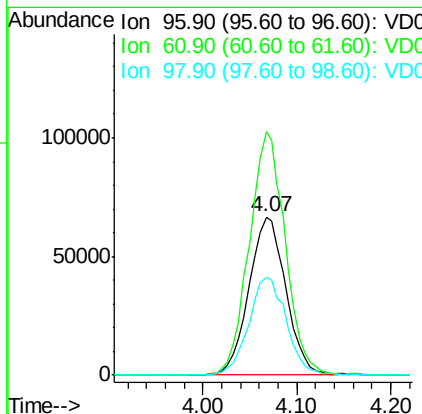
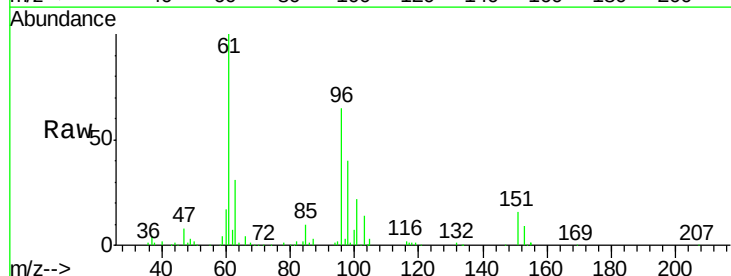
MMDadoda
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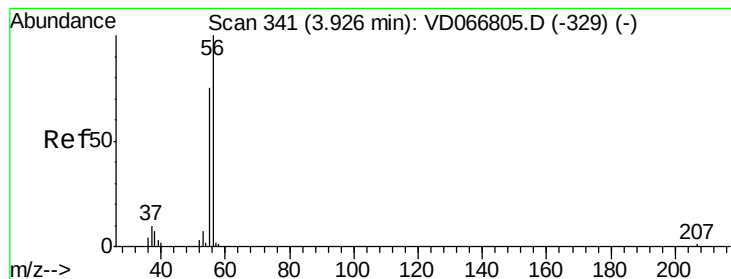


#12

1,1-Dichloroethene
Concen: 48.687 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	96	Resp	180862
Ion Ratio	100	Lower	Upper
61	153.6	120.8	181.2
98	61.5	47.7	71.5





#13

Acrolein

Concen: 247.655 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67835

Ion Ratio Lower Upper

56 100

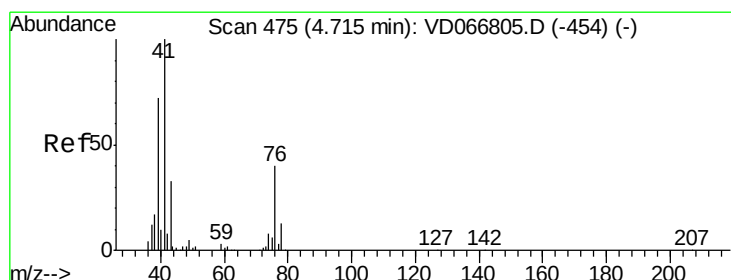
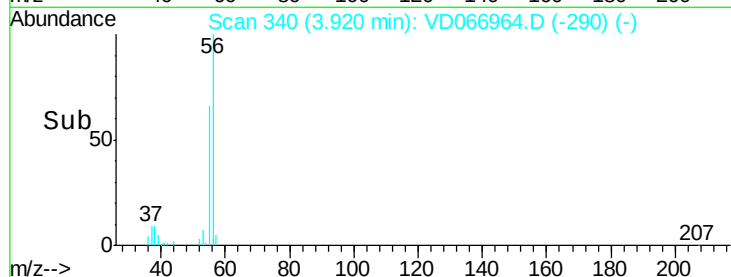
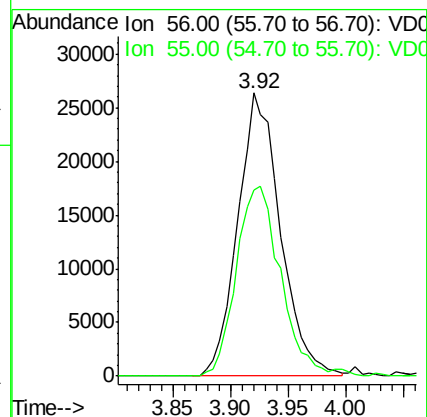
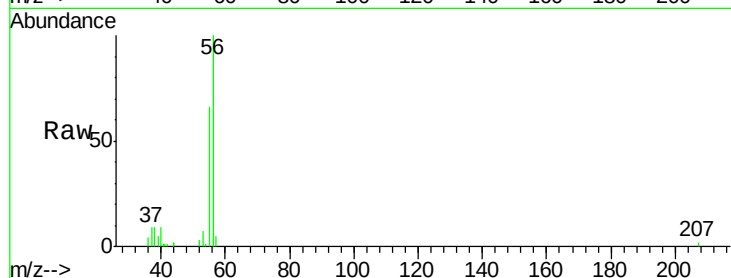
55 69.8 60.3 90.5

Manual Integrations

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#14

Allyl chloride

Concen: 50.292 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

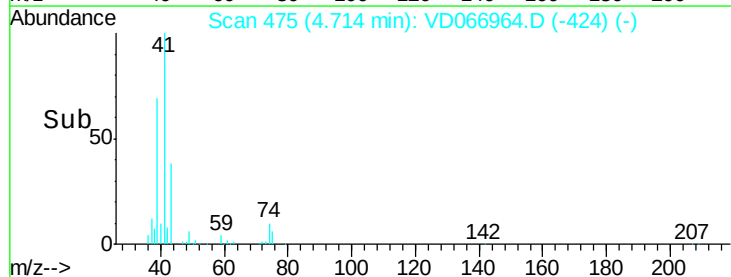
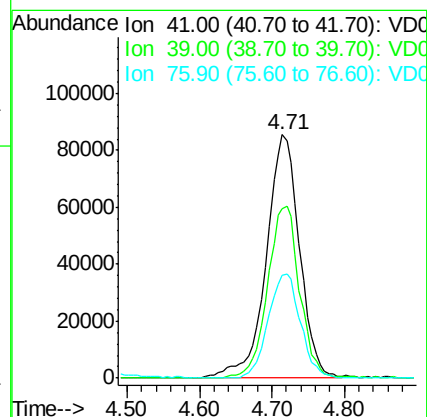
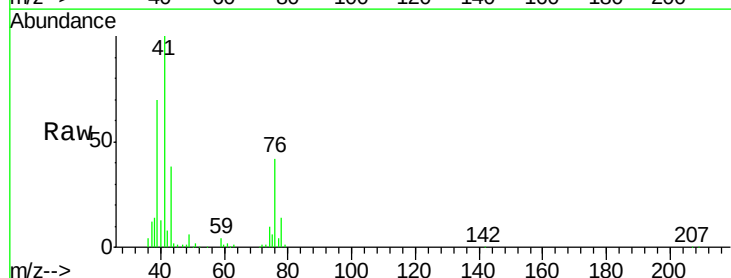
Tgt Ion: 41 Resp: 274336

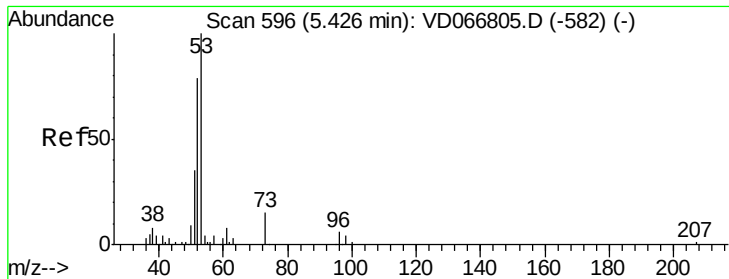
Ion Ratio Lower Upper

41 100

39 68.5 57.8 86.8

76 41.5 30.9 46.3





#15

Acrylonitrile

Concen: 278.102 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

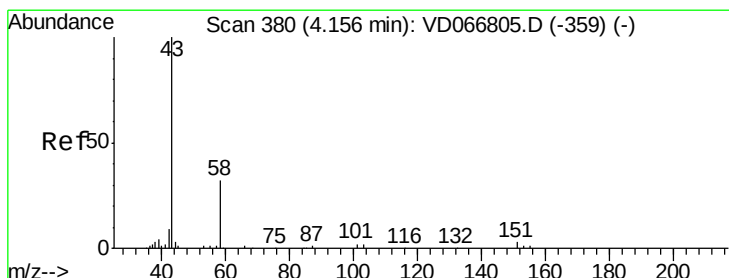
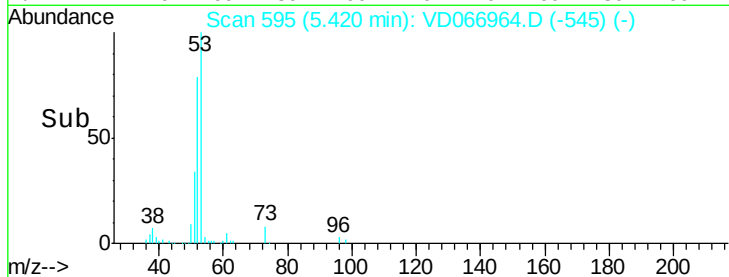
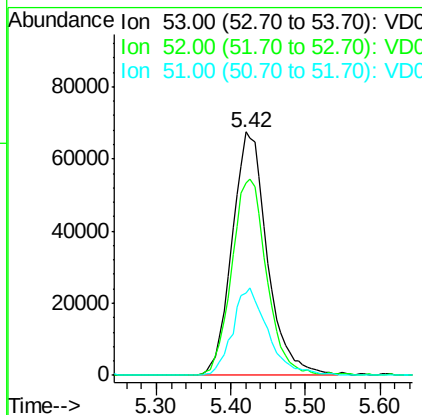
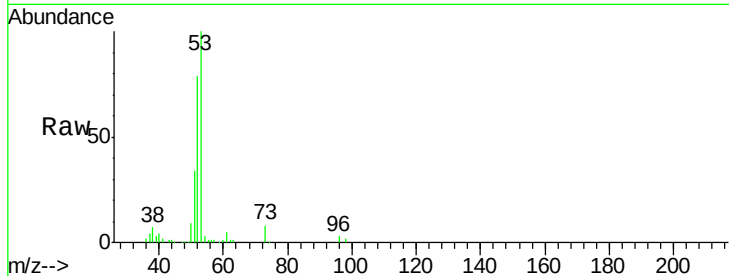
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	221269
Ion Ratio	Lower	Upper	
53	100		
52	79.8	65.2	97.8
51	36.3	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 202.845 ug/l

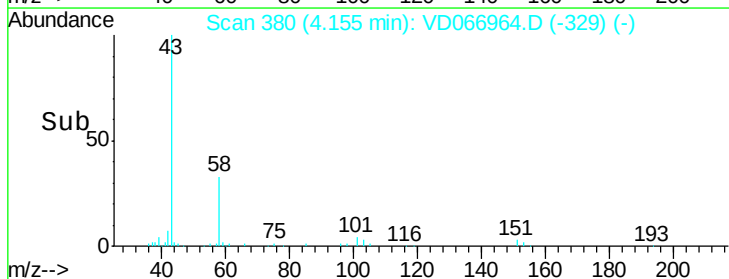
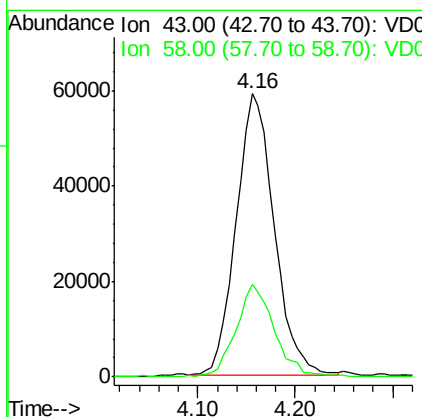
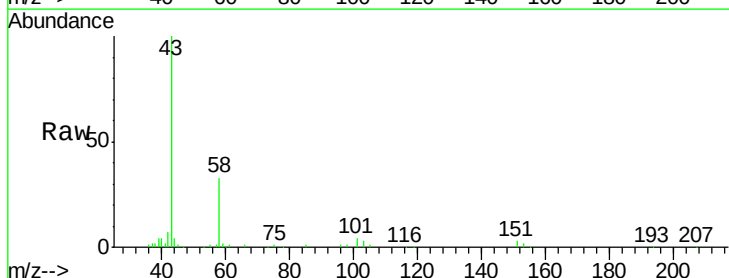
RT: 4.16 min Scan# 380

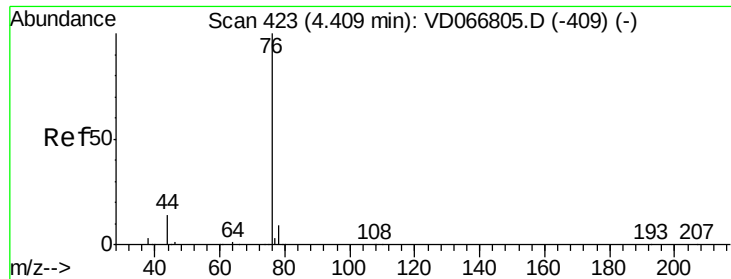
Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	43	Resp:	159773
Ion Ratio	Lower	Upper	
43	100		
58	32.6	25.6	38.4





#17

Carbon Disulfide

Concen: 45.955 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 521913

Ion Ratio Lower Upper

76 100

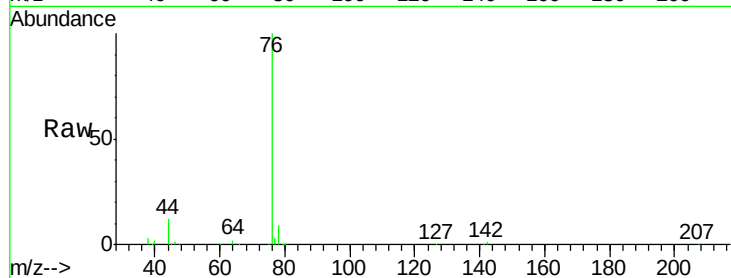
78 9.0 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

200000

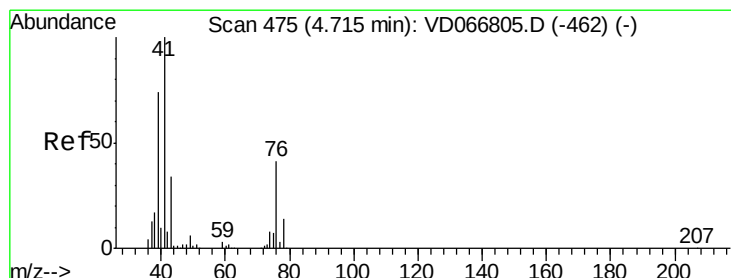
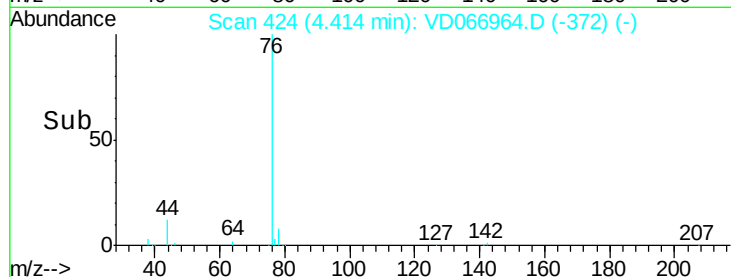
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 58.881 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD066964.D

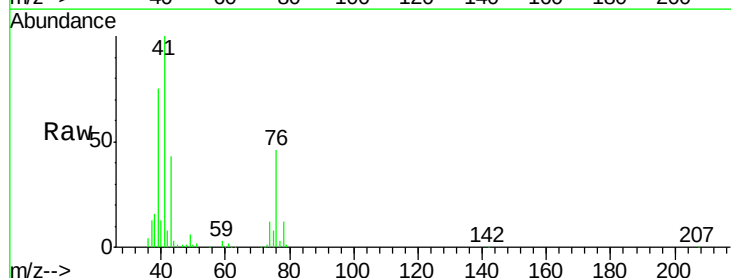
Acq: 30 Sep 2020 04:13

Tgt Ion: 43 Resp: 102349

Ion Ratio Lower Upper

43 100

74 27.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

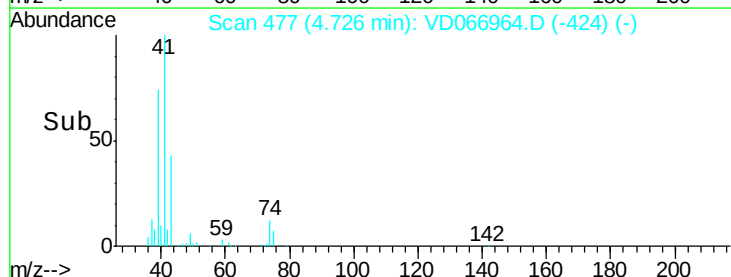
30000

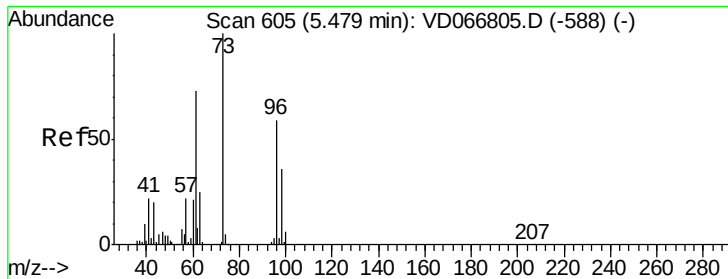
20000

10000

0

Time-->





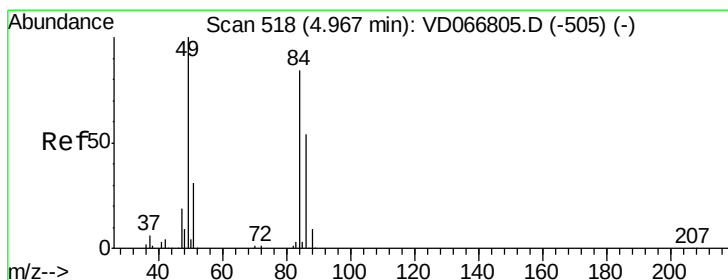
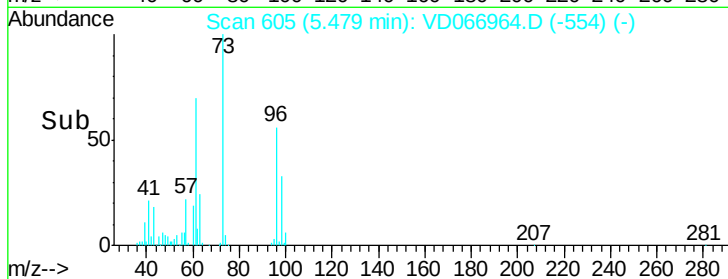
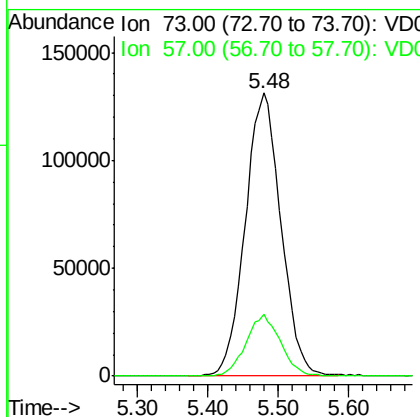
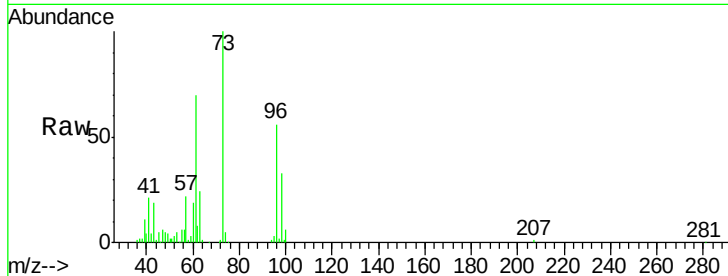
#19
Methyl tert-butyl Ether
Concen: 57.391 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 462990
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.2

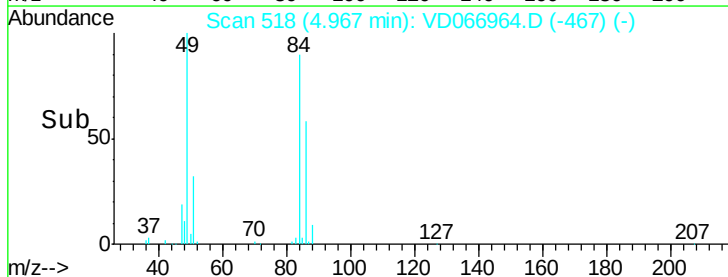
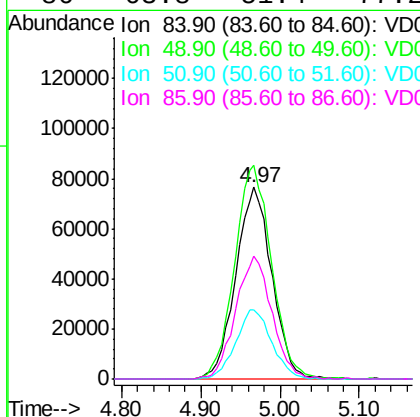
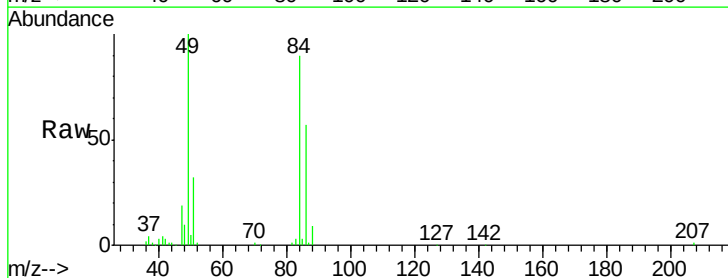
Manual Integrations
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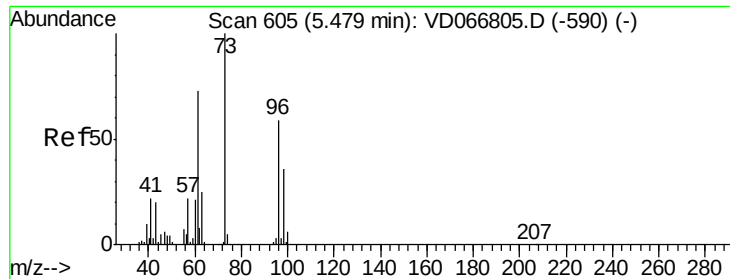
MMDadoda
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#20
Methylene Chloride
Concen: 57.601 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion: 84 Resp: 241099
Ion Ratio Lower Upper
84 100
49 111.3 95.4 143.2
51 35.9 29.7 44.5
86 63.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.470 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

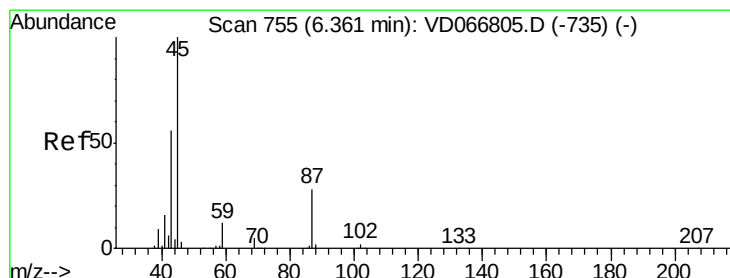
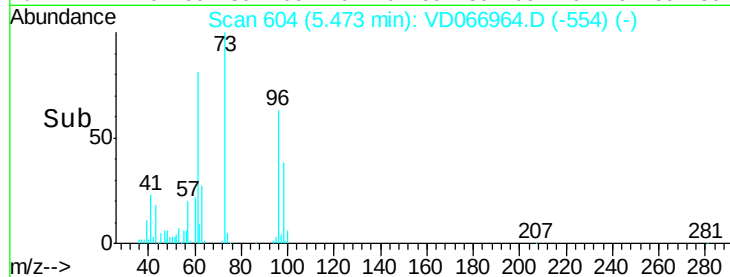
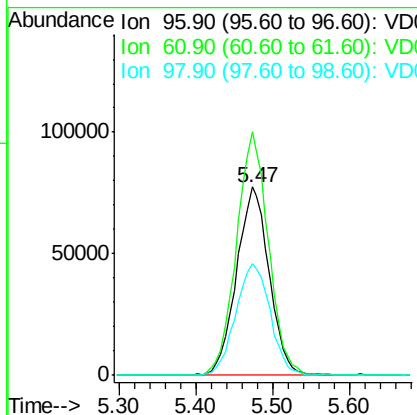
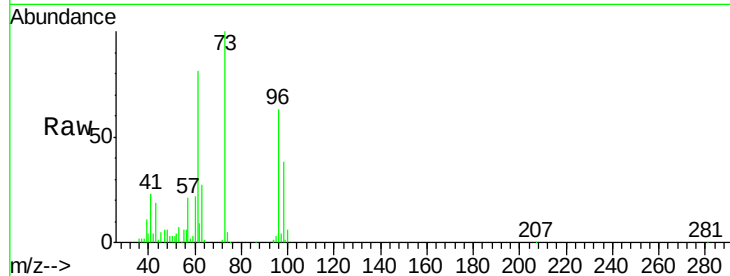
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	229990
Ion	Ratio	Lower	Upper
96	100		
61	129.2	98.9	148.3
98	59.7	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.743 ug/l

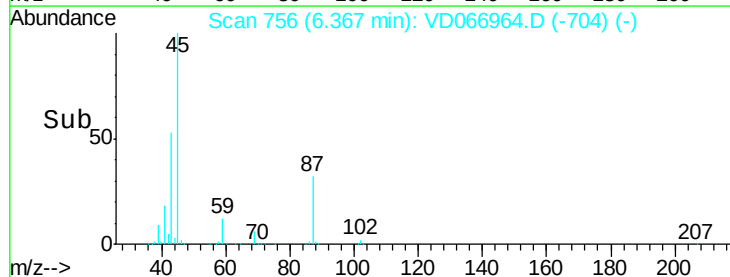
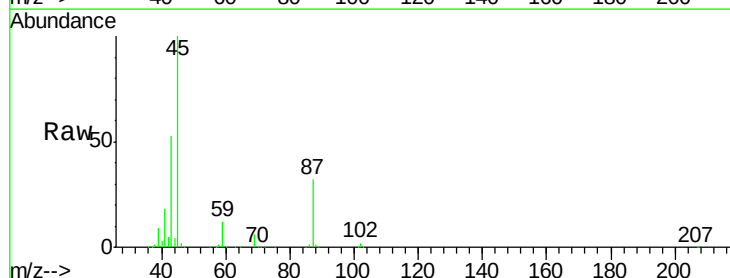
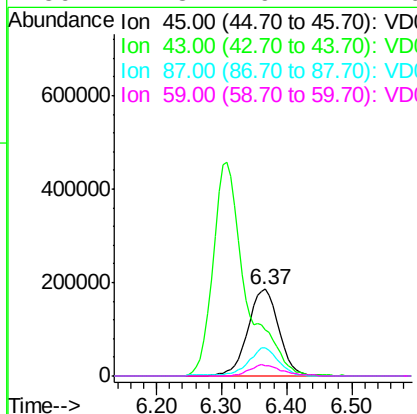
RT: 6.37 min Scan# 756

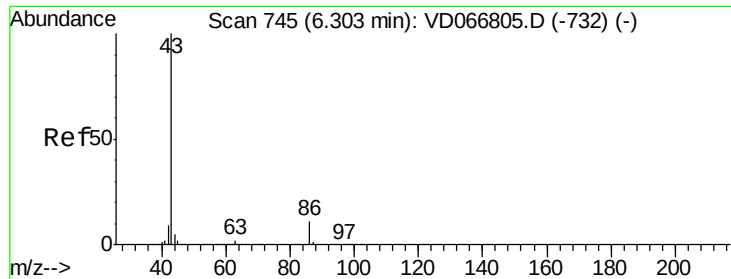
Delta R.T. 0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	45	Resp:	613976
Ion	Ratio	Lower	Upper
45	100		
43	52.6	44.5	66.7
87	32.3	22.9	34.3
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 260.730 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tot Ion: 43 Resp: 1588373

Ion Ratio Lower Upper

43 100

86 12.1 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

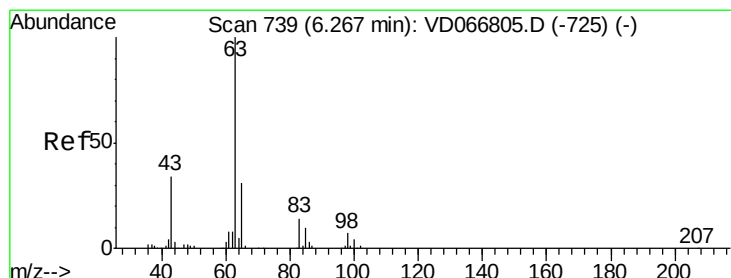
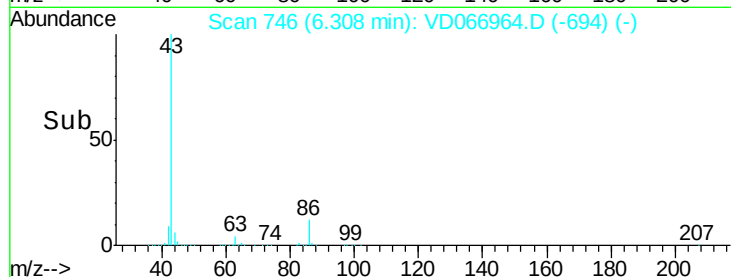
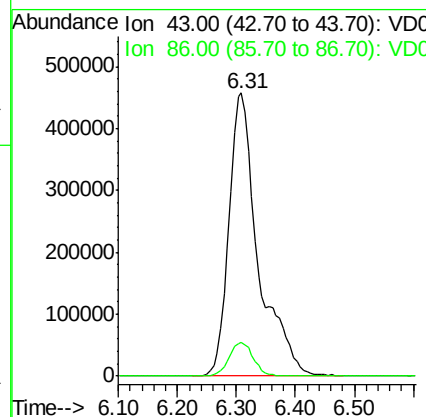
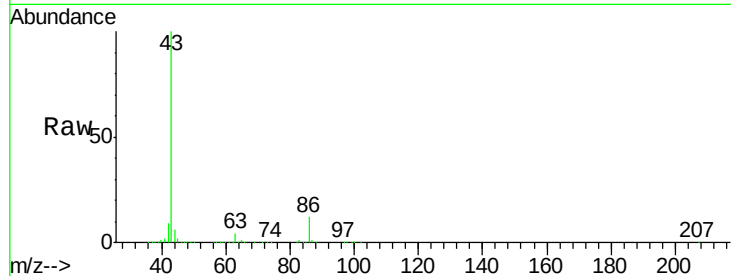
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.755 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

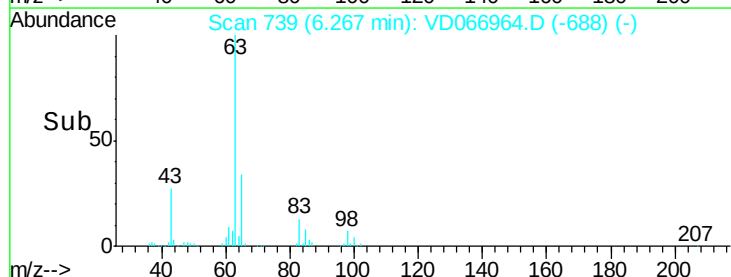
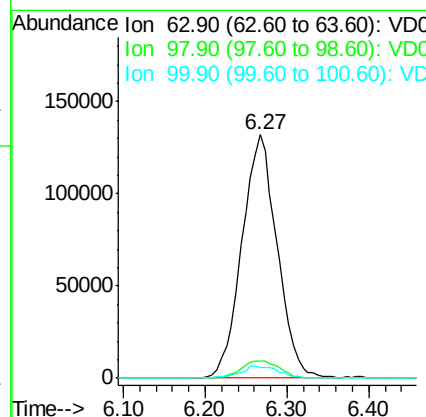
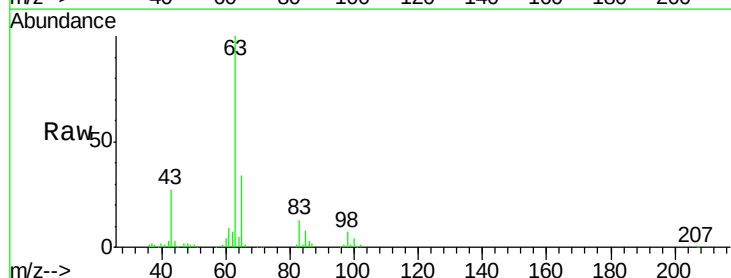
Tgt Ion: 63 Resp: 395828

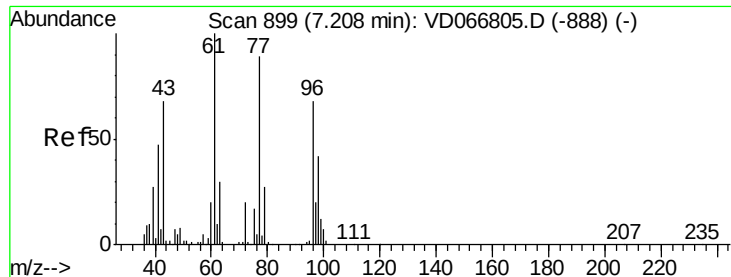
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 4.3 1.8 5.5





#25

2-Butanone

Concen: 266.548 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 252303

Ion Ratio Lower Upper

43 100

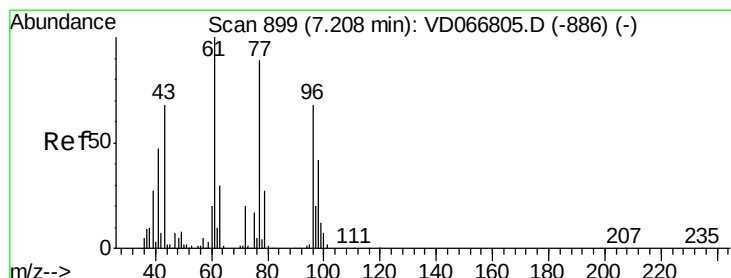
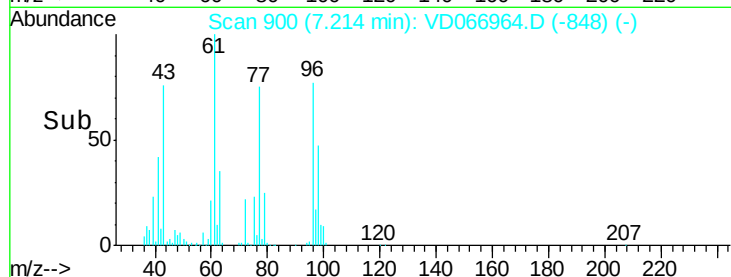
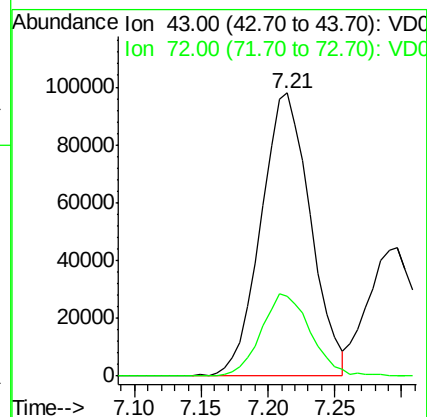
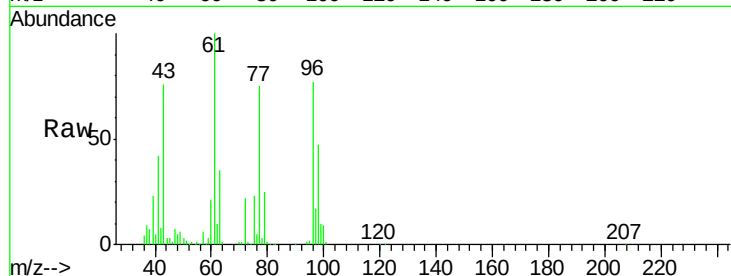
72 28.3 22.9 34.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.199 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066964.D

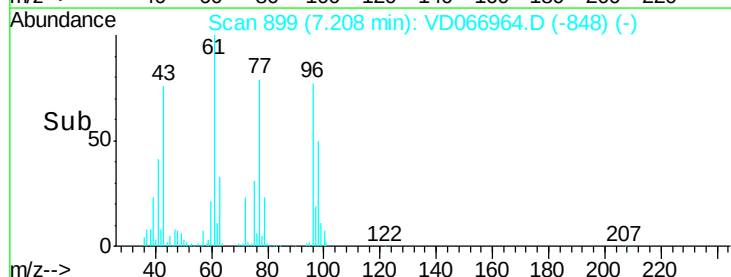
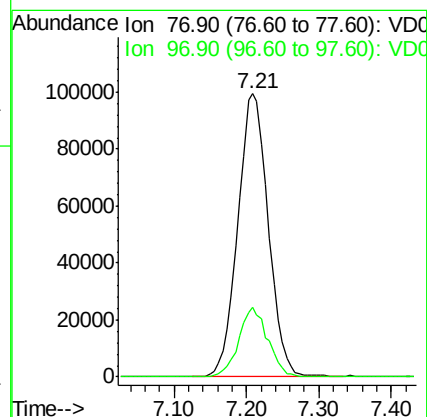
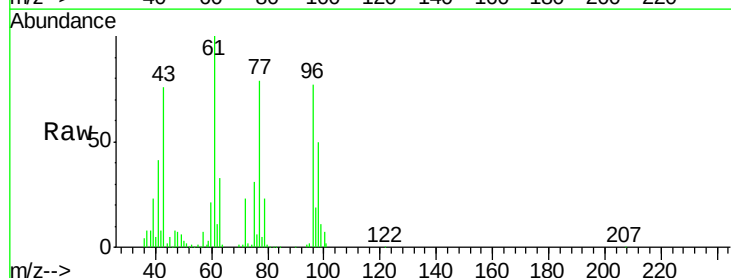
Acq: 30 Sep 2020 04:13

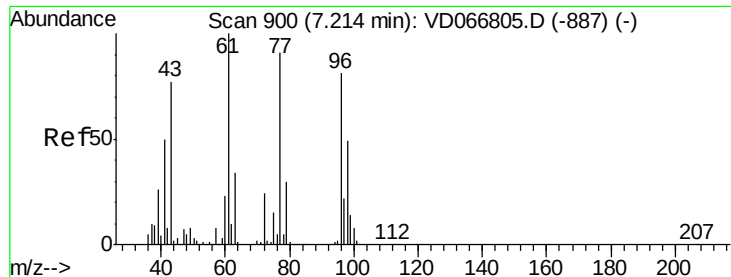
Tgt Ion: 77 Resp: 290201

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 56.016 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

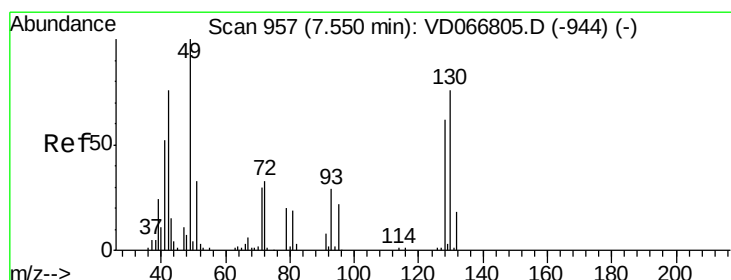
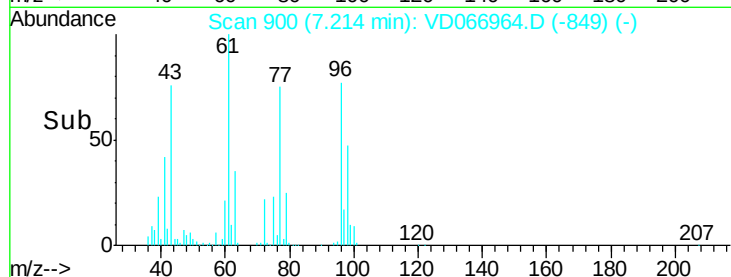
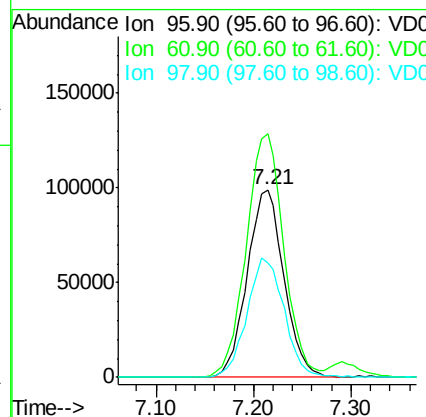
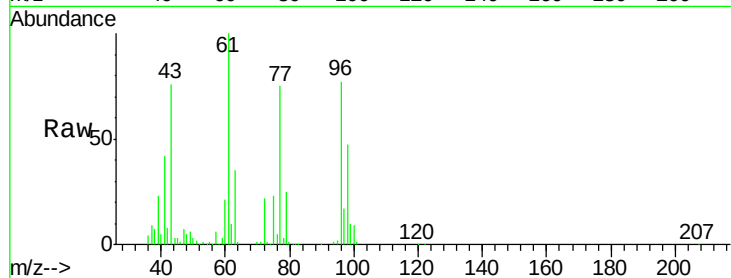
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	261791
Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	283.8
98	64.1	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 49.131 ug/l

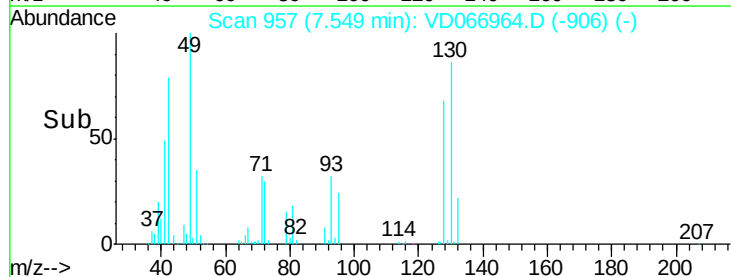
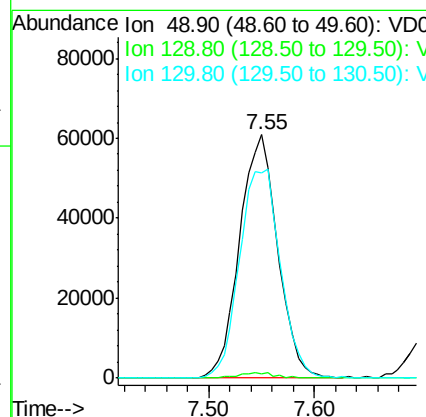
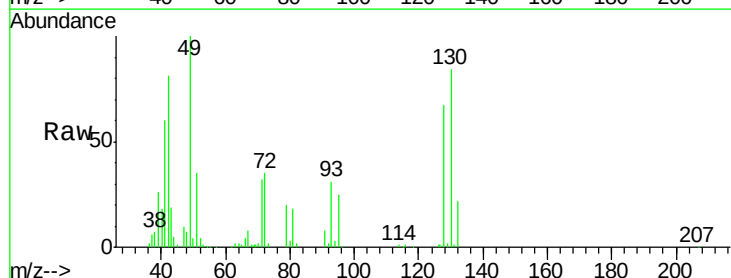
RT: 7.55 min Scan# 957

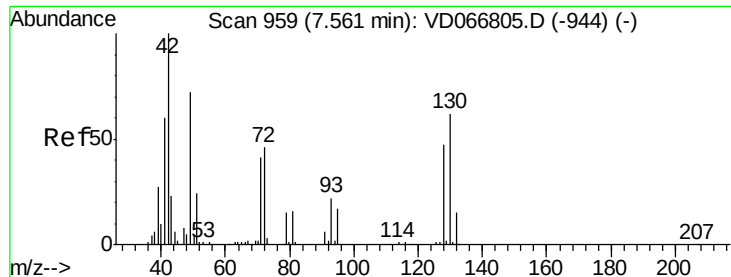
Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	49	Resp:	152294
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.0#
130	92.1	65.9	98.9





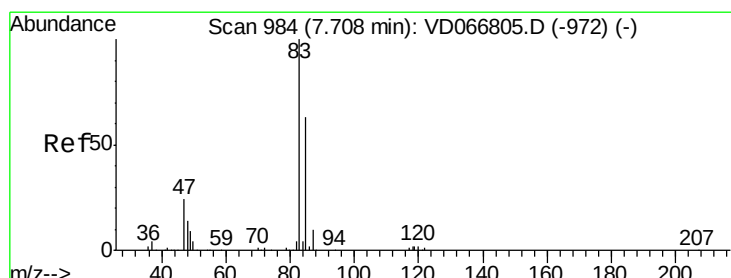
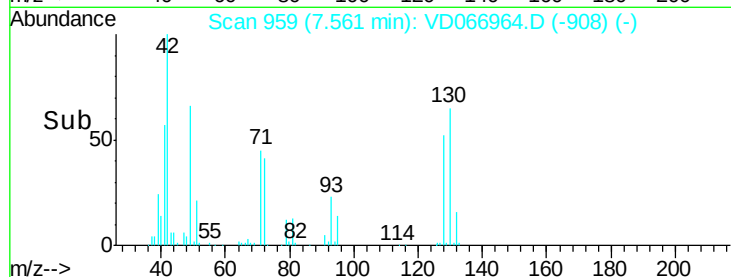
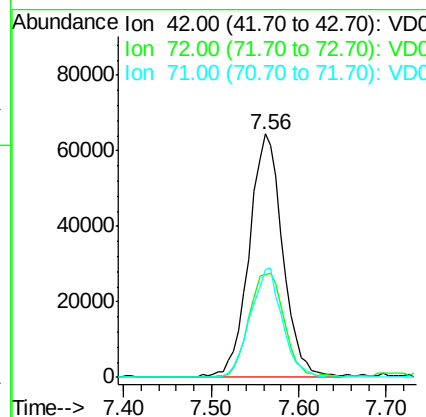
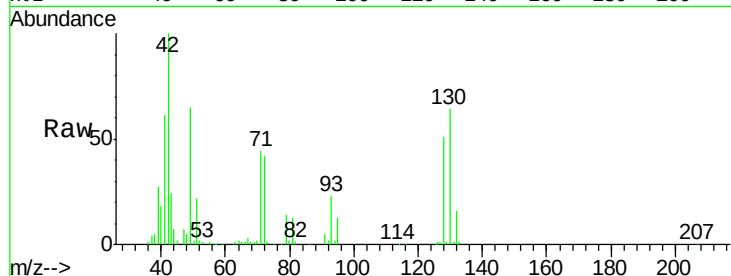
#29
Tetrahydrofuran
Concen: 276.832 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.2	54.4
71	42.8	32.4	48.6

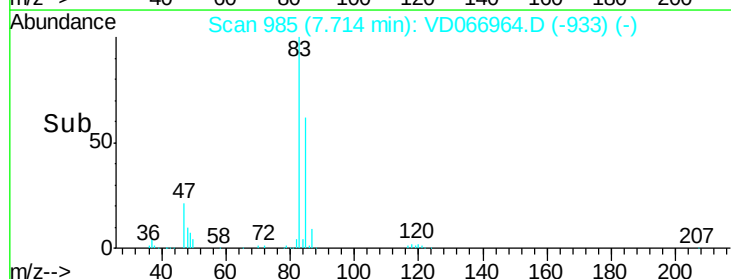
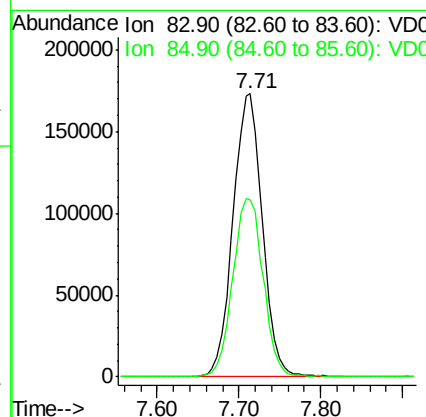
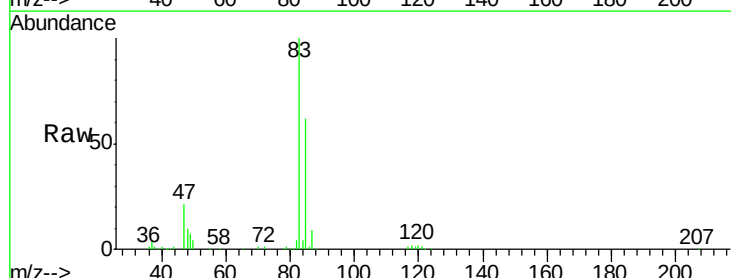
Manual Integrations
APPROVED

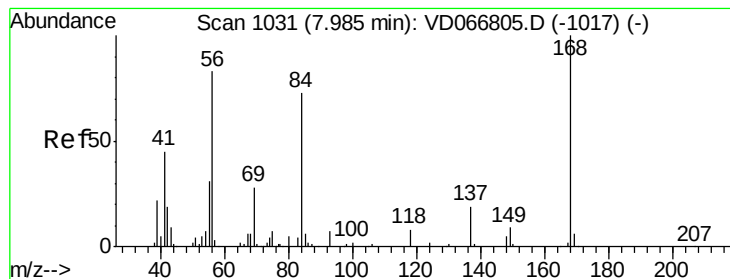
MMDadoda
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#30
Chloroform
Concen: 53.531 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.6	75.8





#31

Cyclohexane

Concen: 42.522 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 287073

Ion Ratio Lower Upper

56 100

69 35.3 27.0 40.4

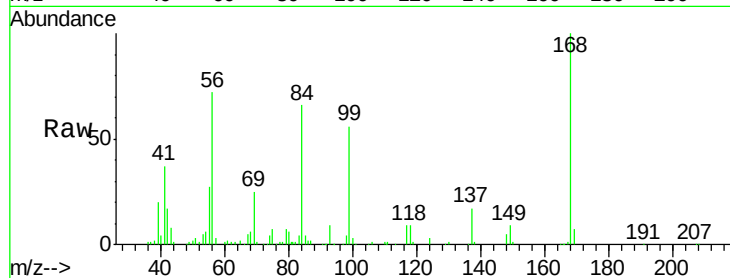
84 89.7 70.2 105.4

Manual Integrations

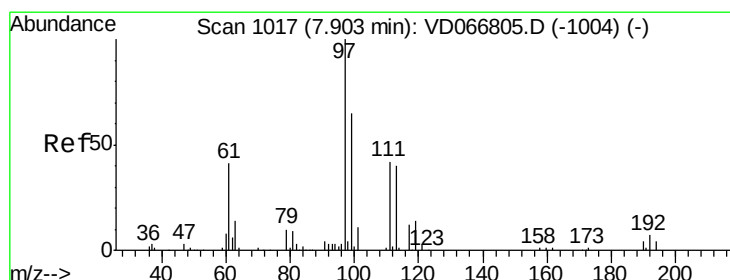
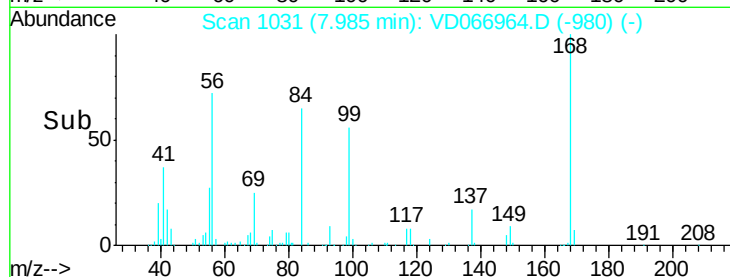
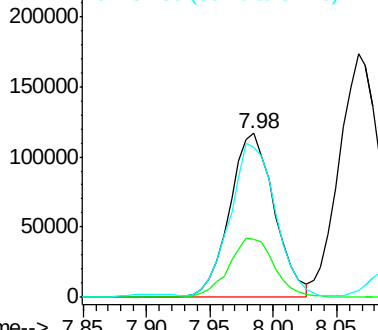
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 51.032 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

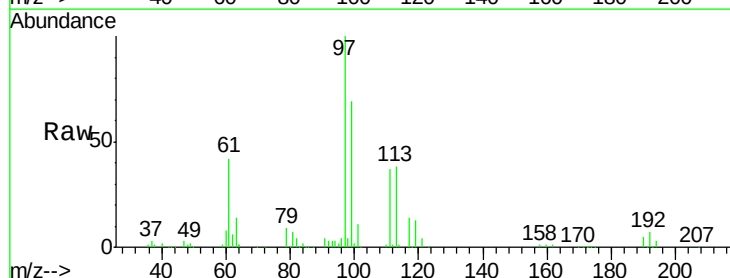
Tgt Ion: 97 Resp: 373374

Ion Ratio Lower Upper

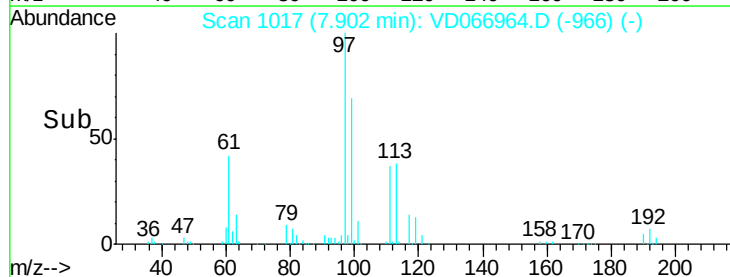
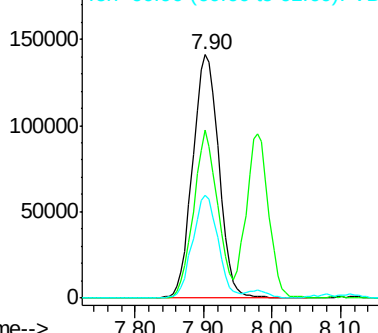
97 100

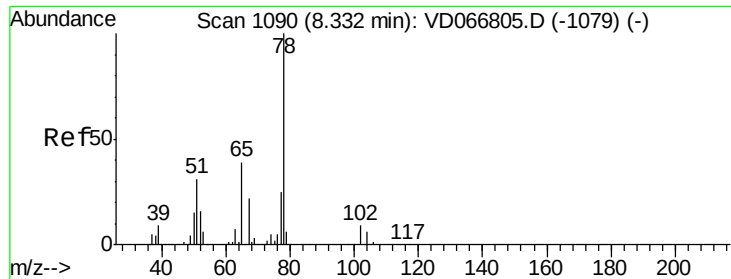
99 63.6 51.5 77.3

61 40.9 34.2 51.4



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





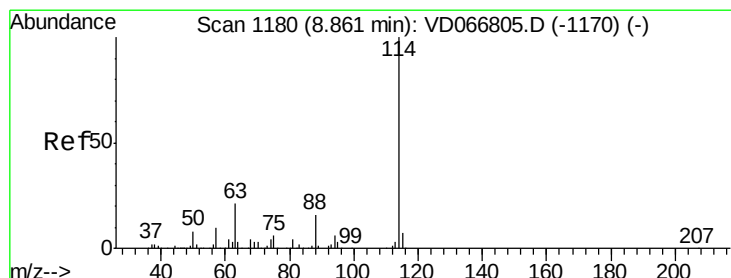
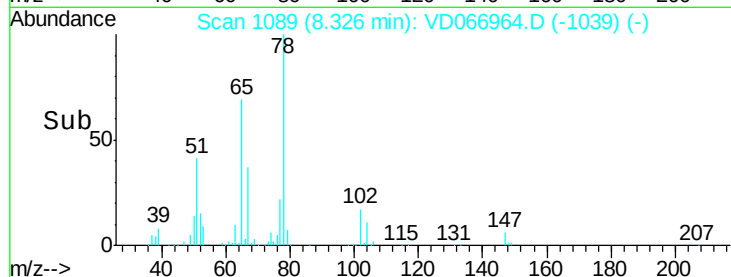
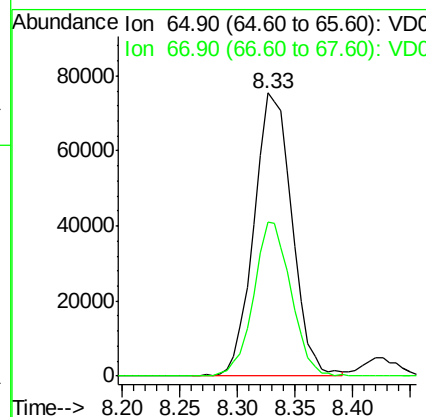
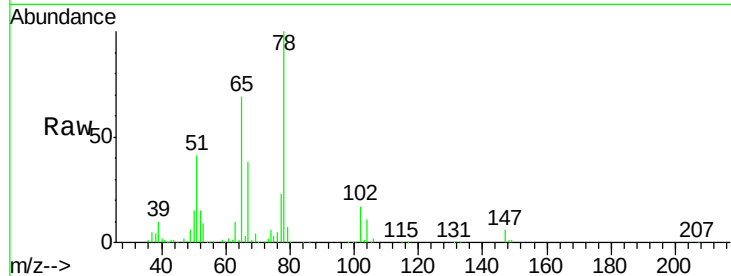
#33
 1,2-Dichloroethane-d4
 Concen: 46.815 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	173824		
67	53.2	0.0	107.2	

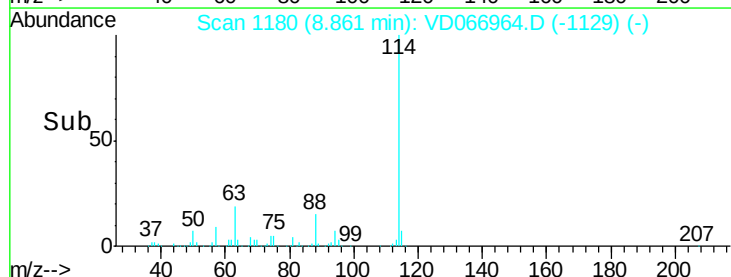
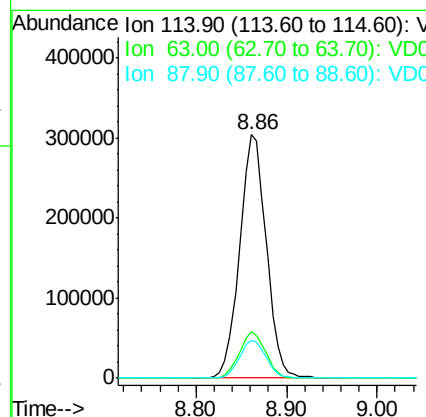
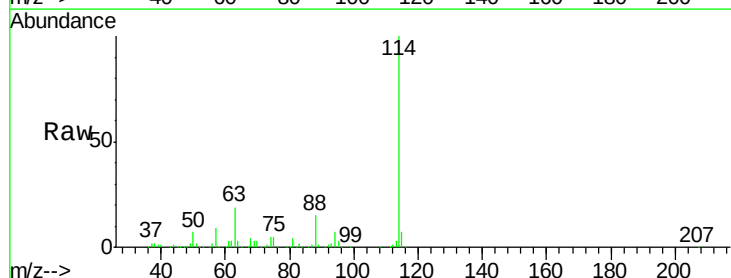
Manual Integrations
 APPROVED

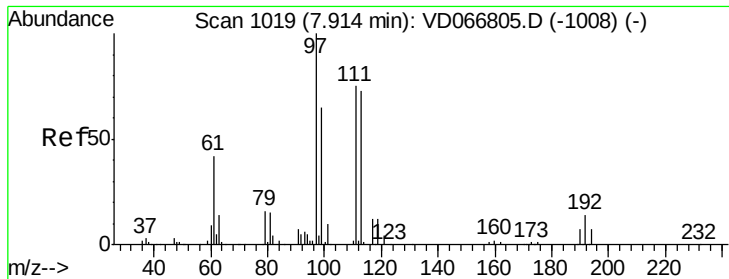
MMDadoda
 9/30/2020 1:22:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	623863		
63	19.0	0.0	42.6	
88	15.5	0.0	32.6	





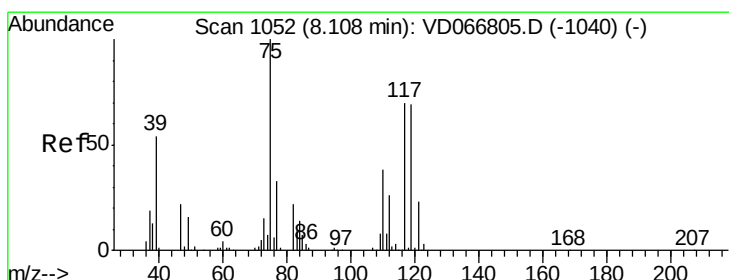
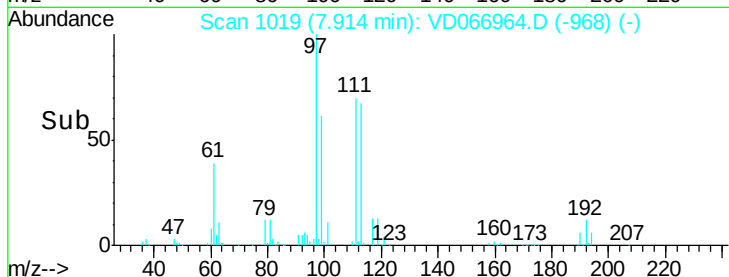
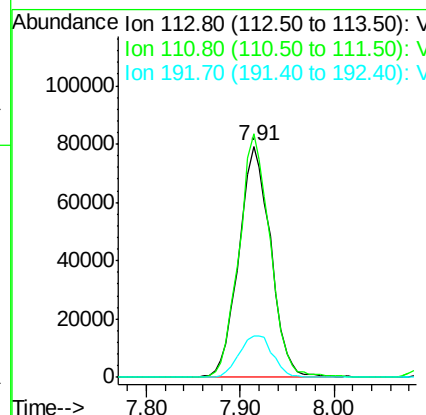
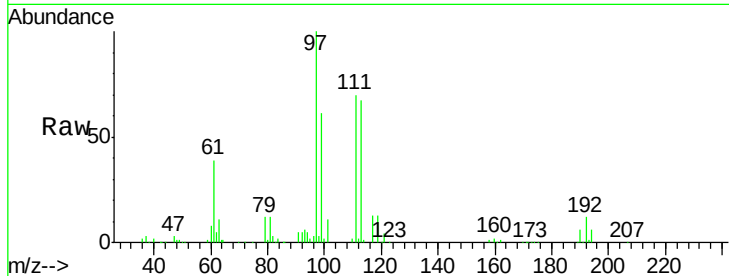
#35
 Dibromofluoromethane
 Concen: 47.038 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186695		
111	102.5	81.8	122.8	
192	19.1	14.4	21.6	

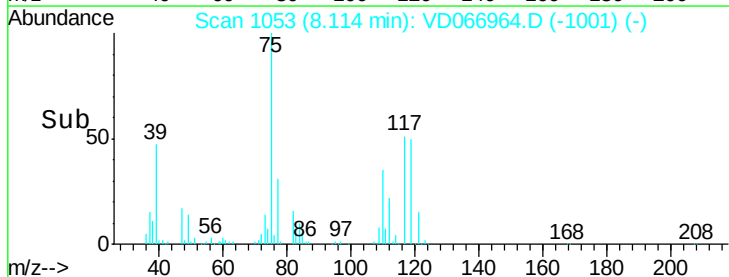
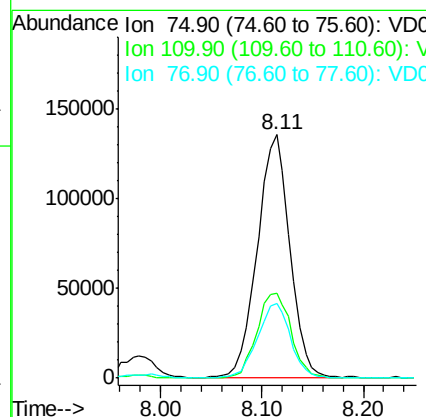
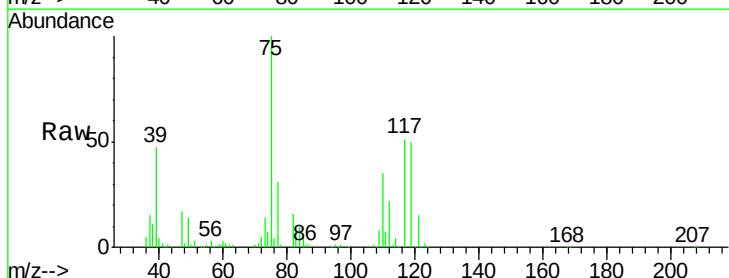
Manual Integrations
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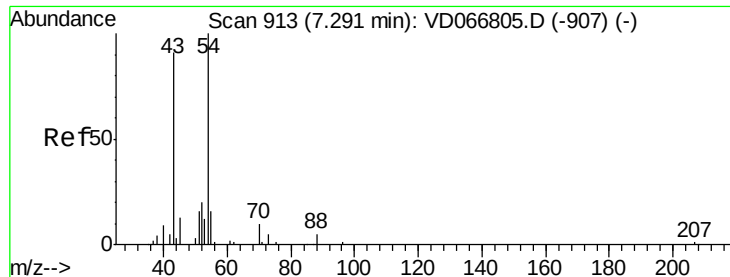
MMDadoda
 9/30/2020 1:22:19 PM



#36
 1,1-Dichloropropene
 Concen: 48.932 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	302852		
110	37.0	17.9	53.8	
77	31.5	25.0	37.6	





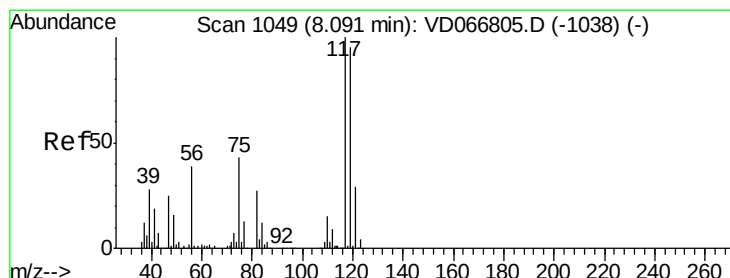
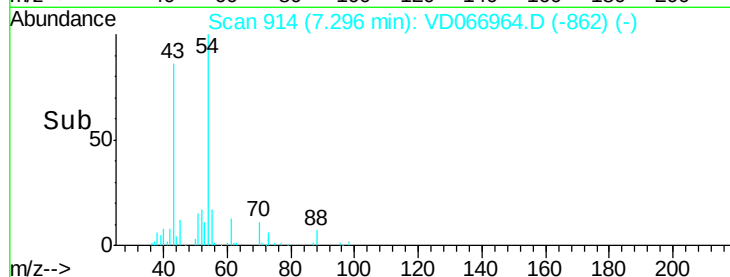
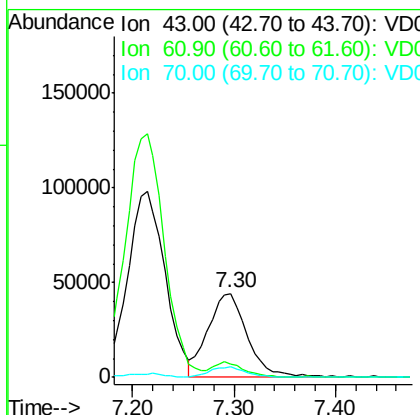
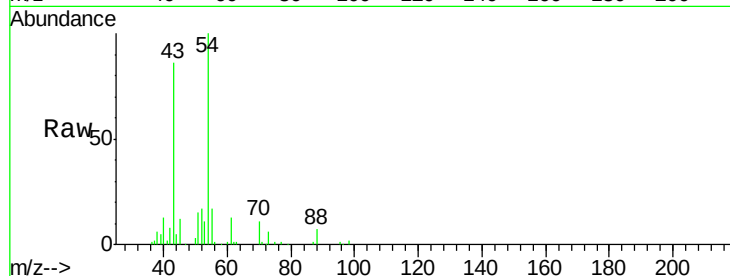
#37
Ethyl Acetate
Concen: 52.405 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	11.8	8.5	12.7

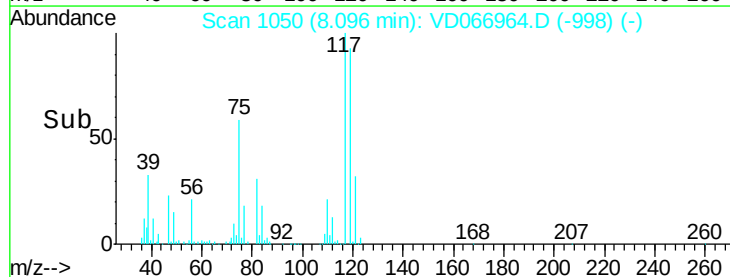
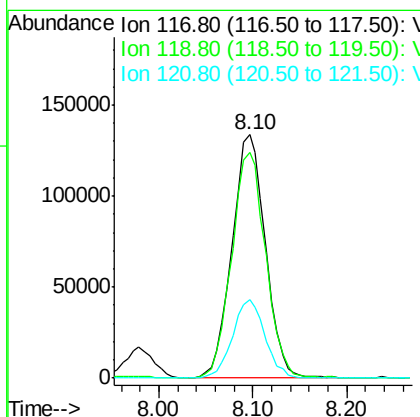
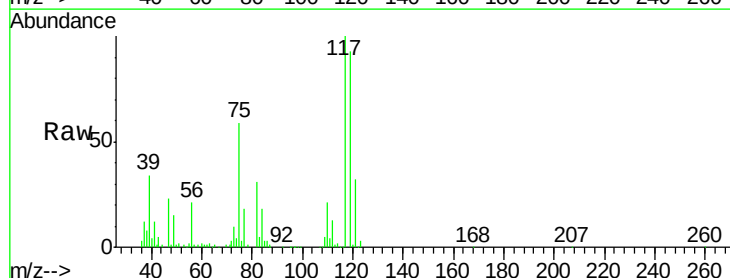
Manual Integrations
APPROVED

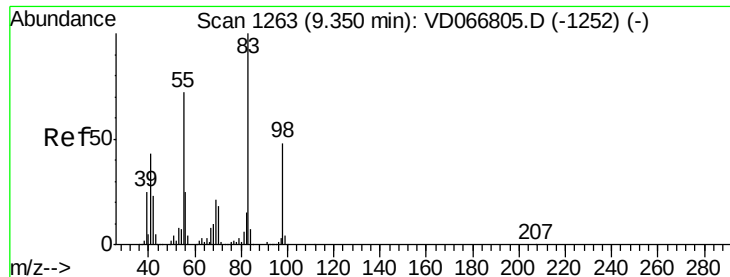
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.504 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.8	113.8
121	32.1	23.4	35.0





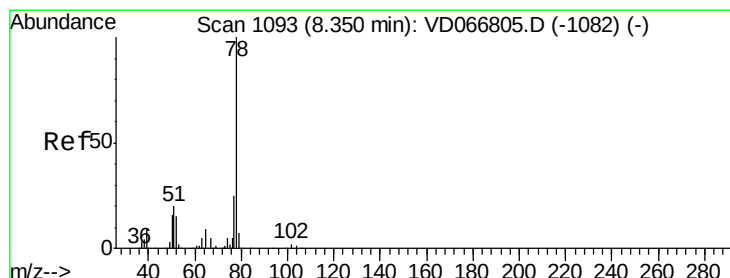
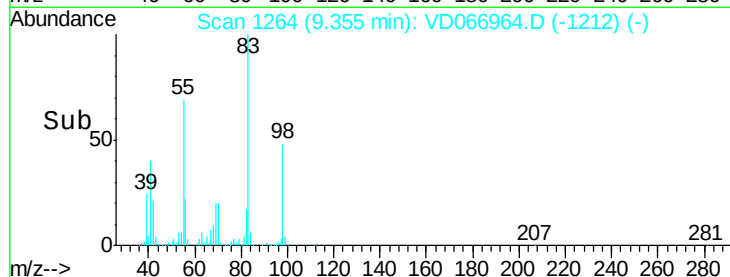
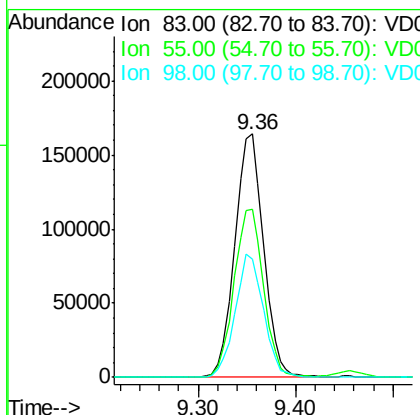
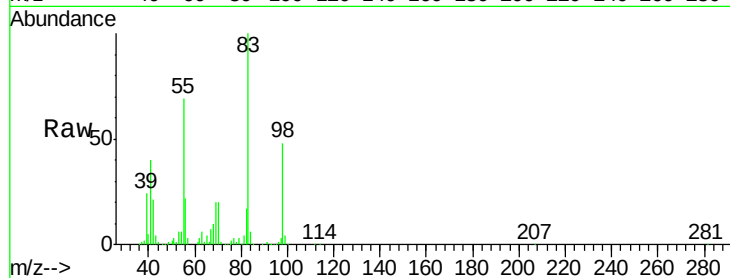
#39
Methylvlcyclohexane
Concen: 47.434 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.9	57.7	86.5
98	48.3	38.4	57.6

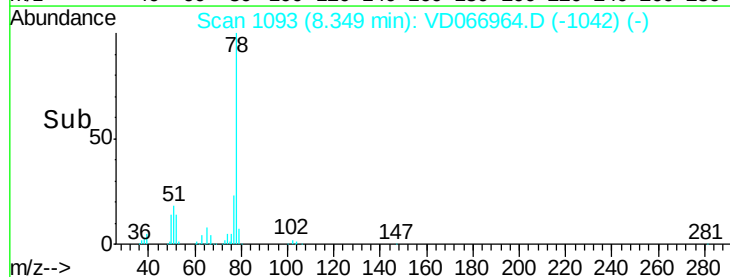
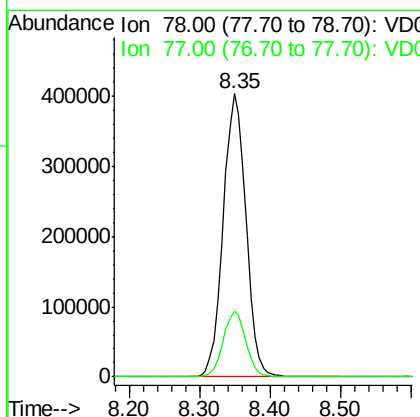
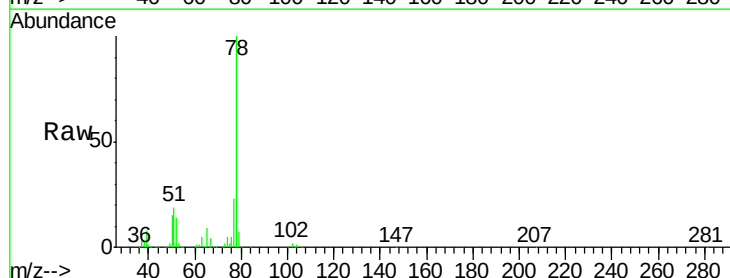
Manual Integrations
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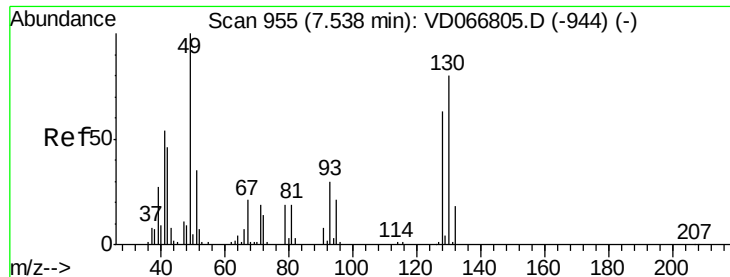
MMDadoda
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#40
Benzene
Concen: 52.453 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.9	29.9





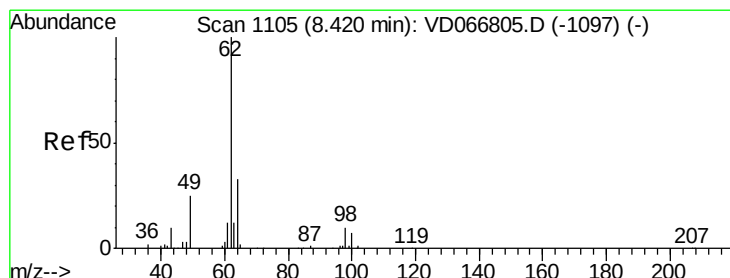
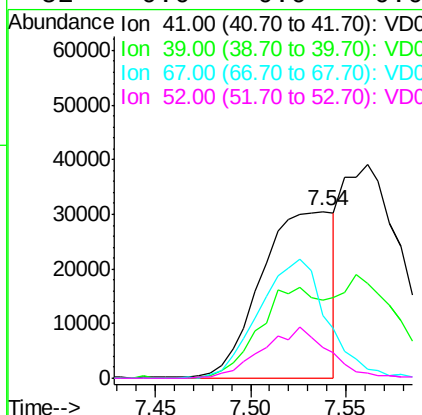
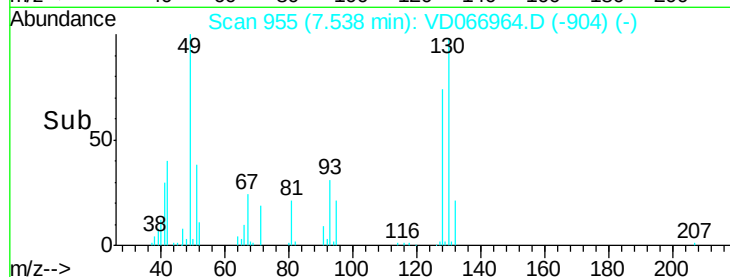
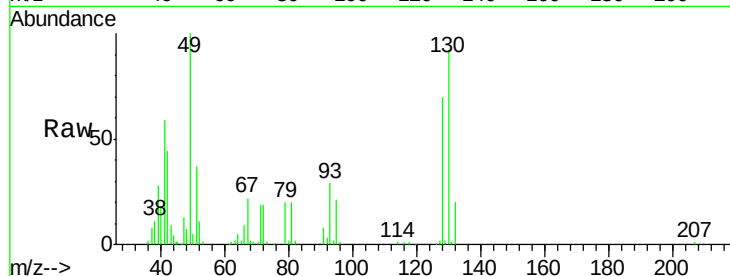
#41
Methacrylonitrile
Concen: 59.578 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	81977
Ion	Ratio	Lower	Upper
41	100		
39	47.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

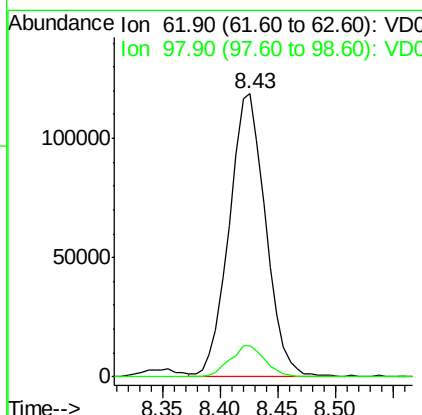
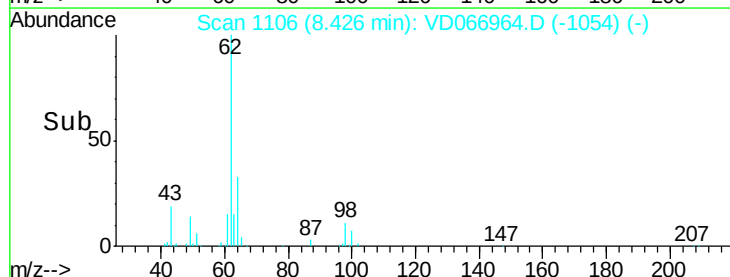
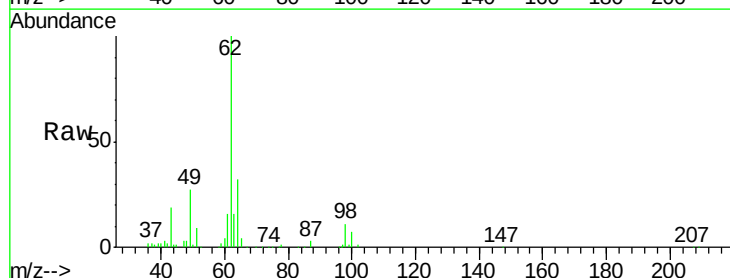
Manual Integrations
APPROVED

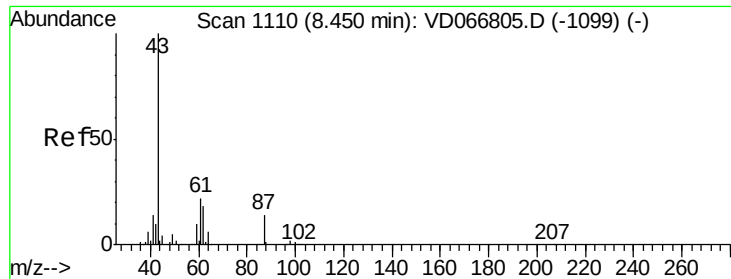
MMDadoda
9/30/2020 1:22:19 PM



#42
1,2-Dichloroethane
Concen: 50.823 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	62	Resp	259165
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 52.417 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

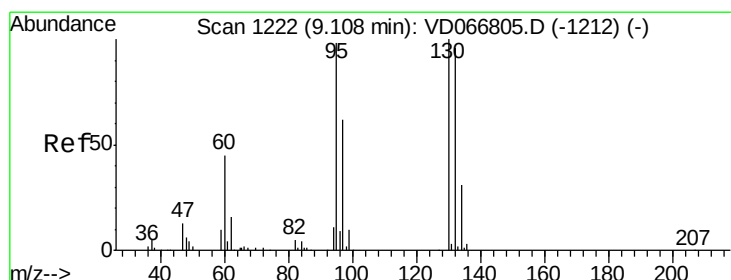
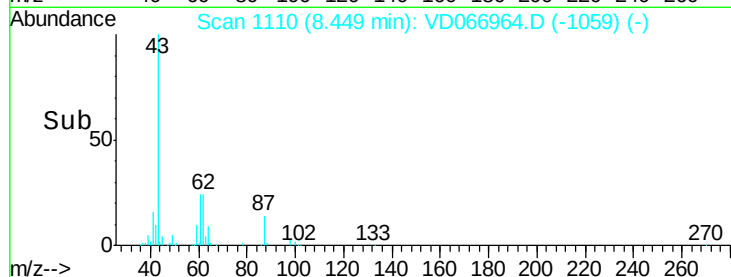
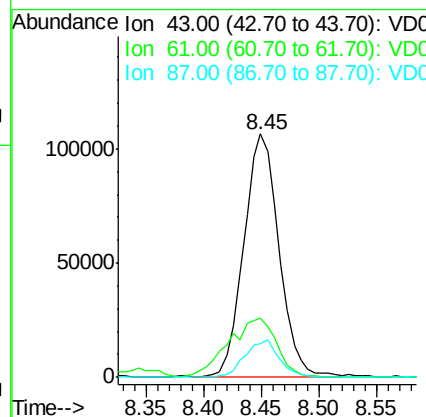
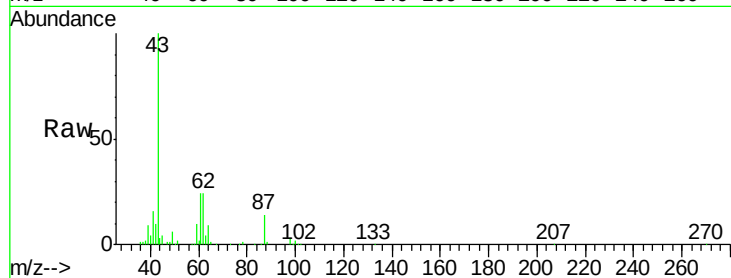
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	226112
Ion	Ratio	Lower	Upper
43	100		
61	33.8	26.2	39.4
87	15.2	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 52.391 ug/l

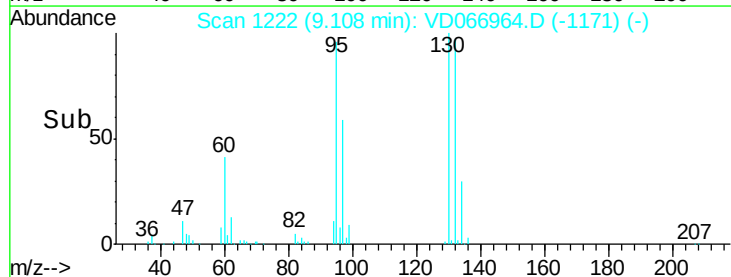
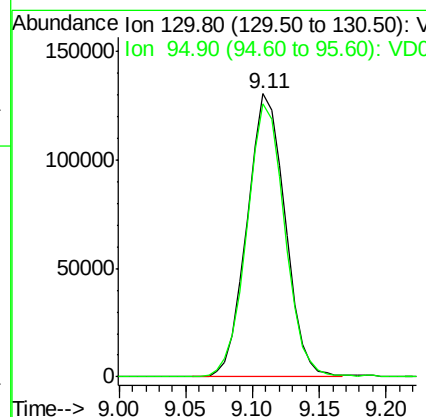
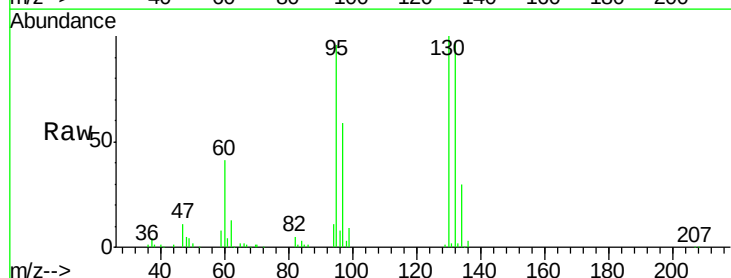
RT: 9.11 min Scan# 1222

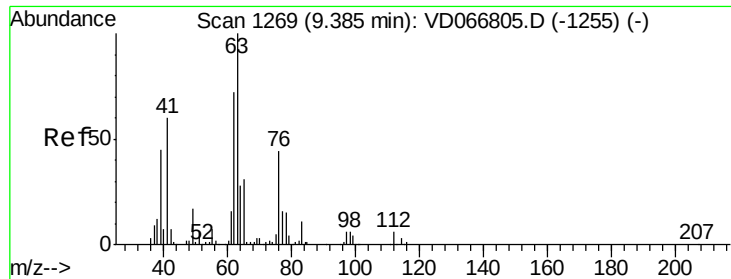
Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	130	Resp:	257585
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	197.0





#45

1,2-Dichloropropane

Concen: 51.607 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 223972

Ion Ratio Lower Upper

63 100

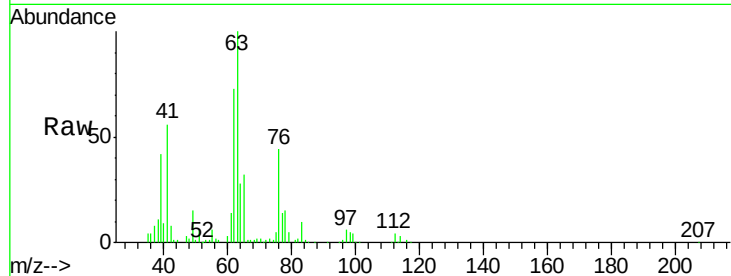
65 31.6 24.7 37.1

Manual Integrations

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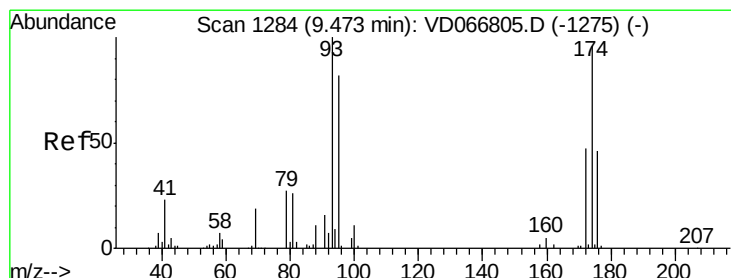
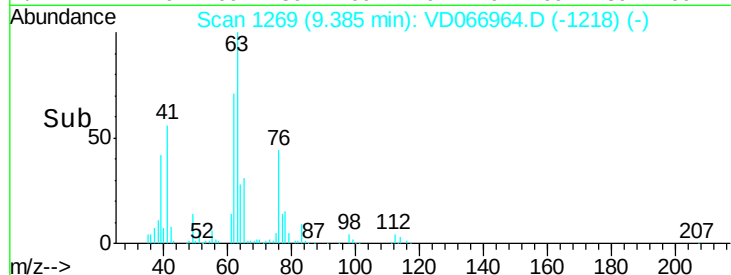
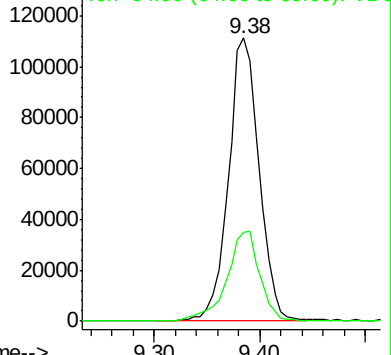
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.877 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

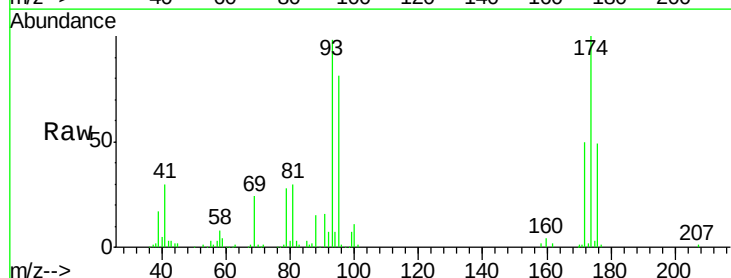
Tgt Ion: 93 Resp: 127041

Ion Ratio Lower Upper

93 100

95 84.8 65.3 97.9

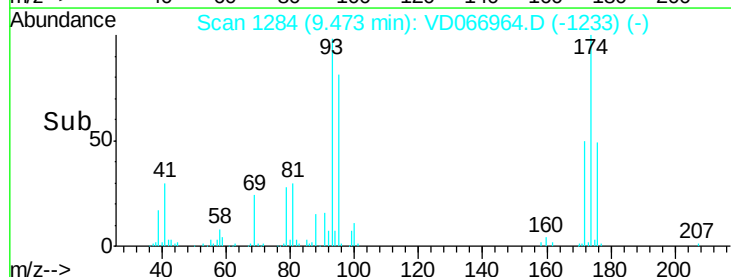
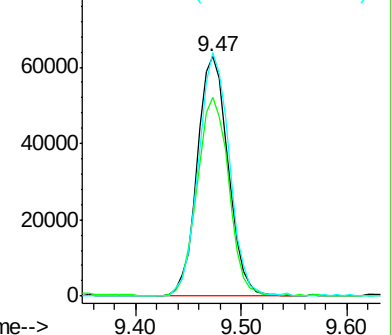
174 101.2 75.4 113.2

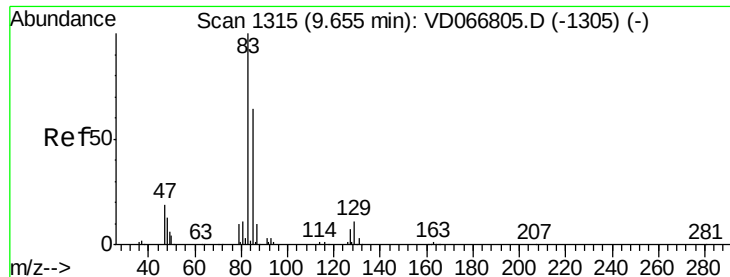


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.934 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

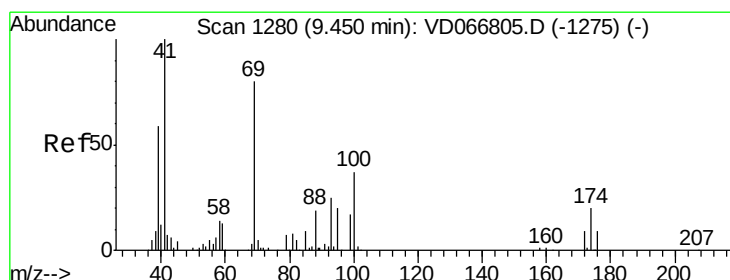
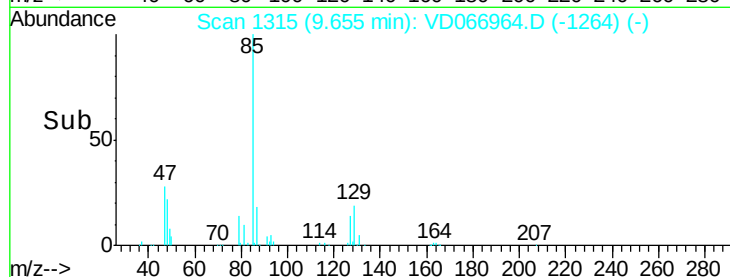
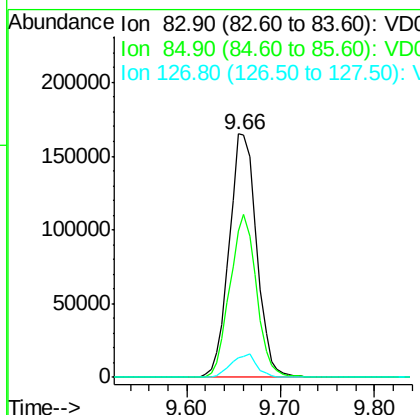
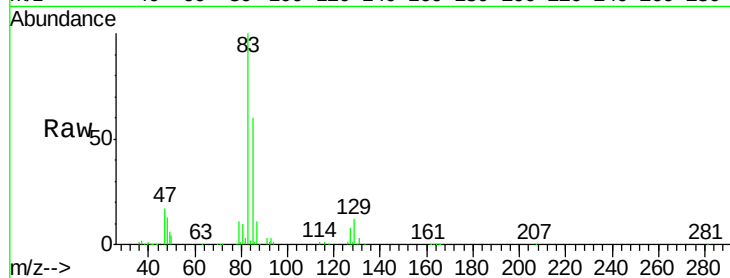
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	335302
Ion	Ratio	Lower	Upper
83	100		
85	60.0	50.9	76.3
127	8.1	5.9	8.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.050 ug/l

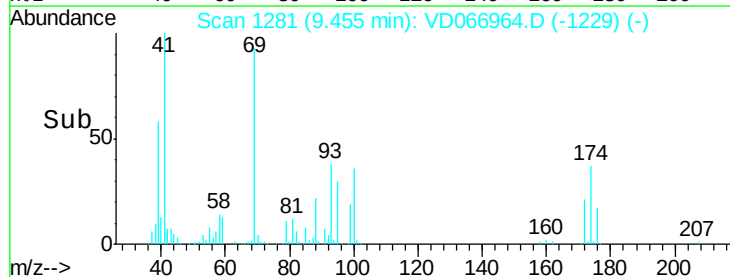
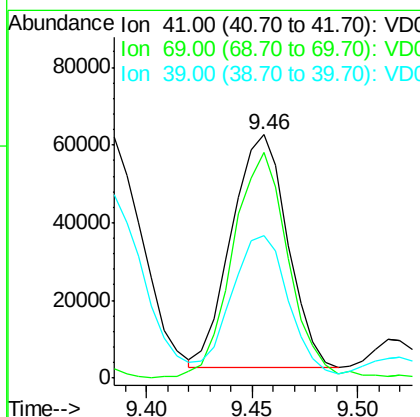
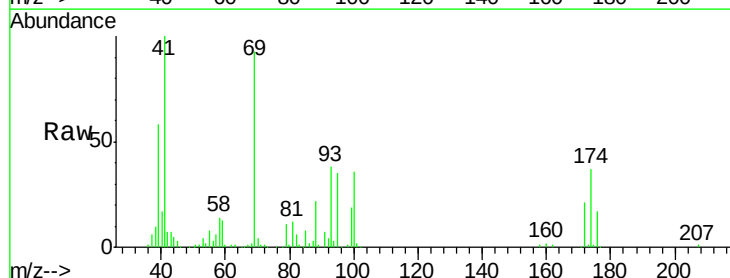
RT: 9.46 min Scan# 1281

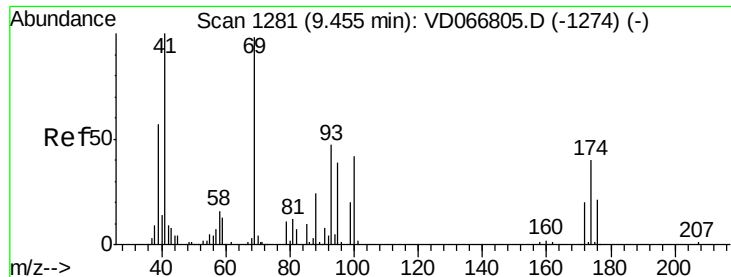
Delta R.T. 0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	41	Resp:	110702
Ion	Ratio	Lower	Upper
41	100		
69	96.7	74.5	111.7
39	63.7	47.0	70.6





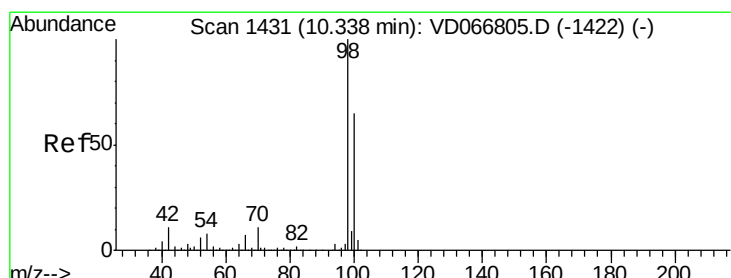
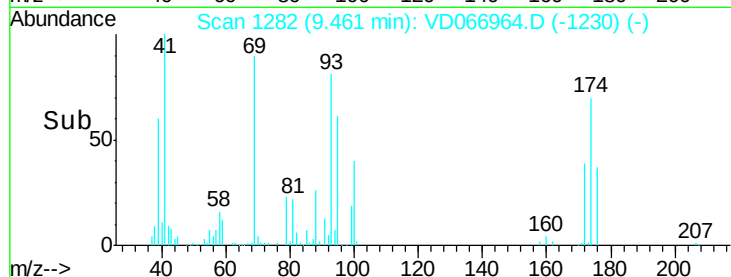
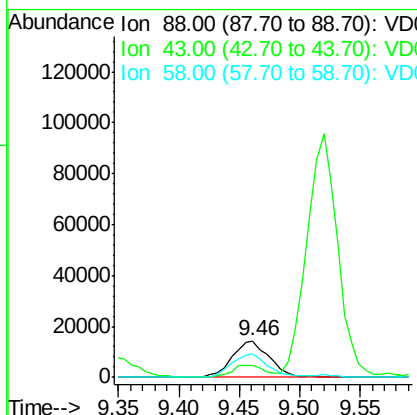
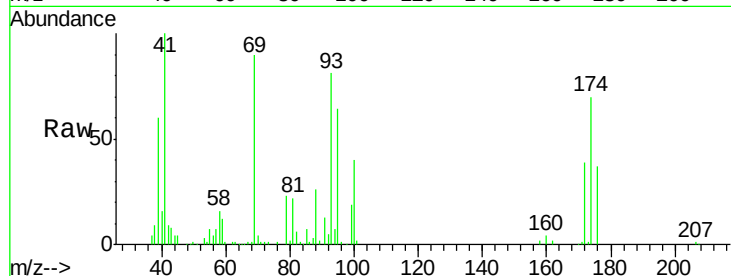
#49
1,4-Dioxane
Concen: 1187.490 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	27.7	41.5
58	61.8	55.5	83.3

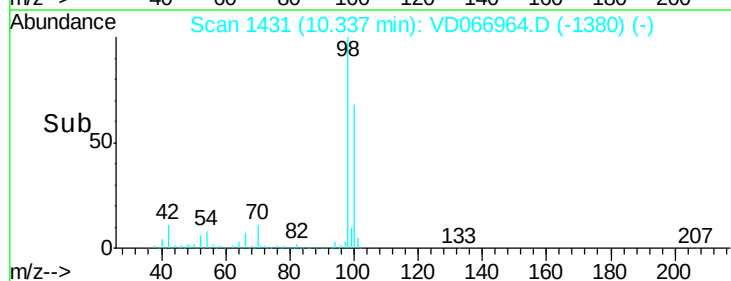
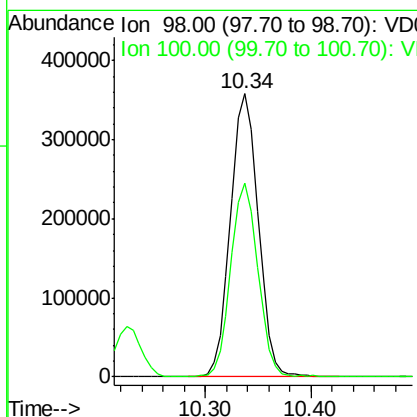
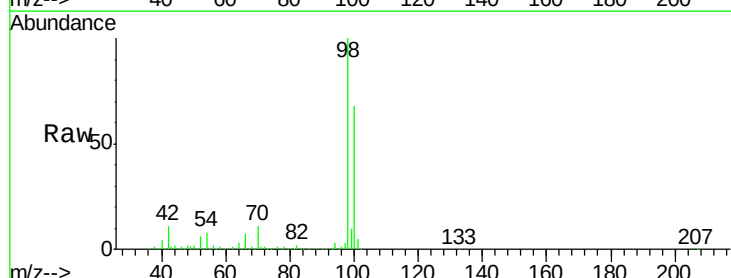
Manual Integrations
APPROVED

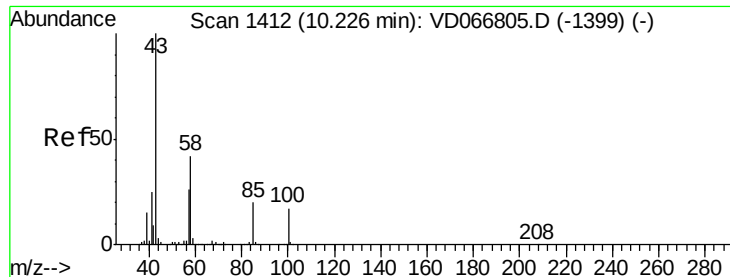
MMDadoda
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#50
Toluene-d8
Concen: 48.162 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.2	78.2





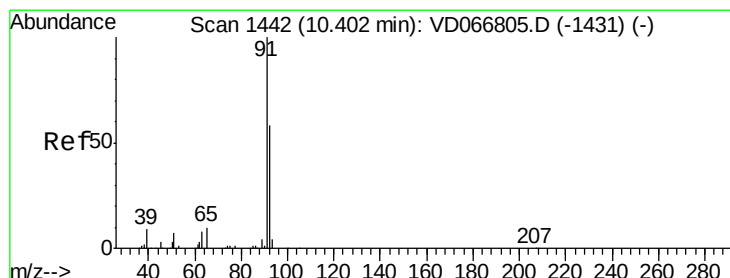
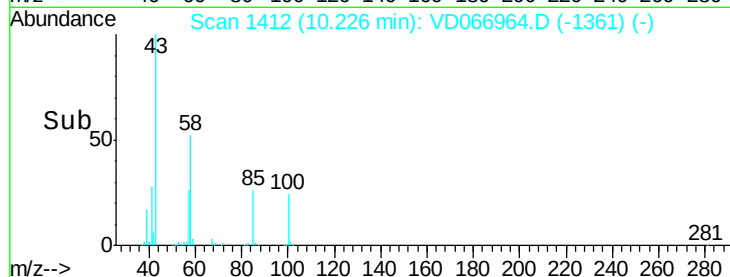
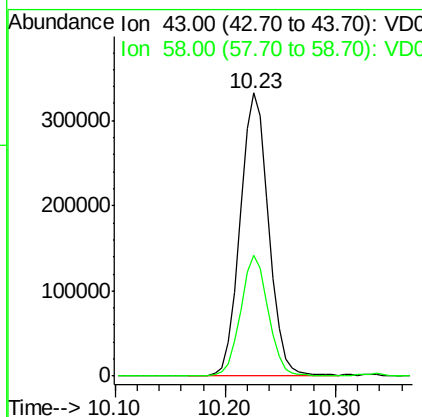
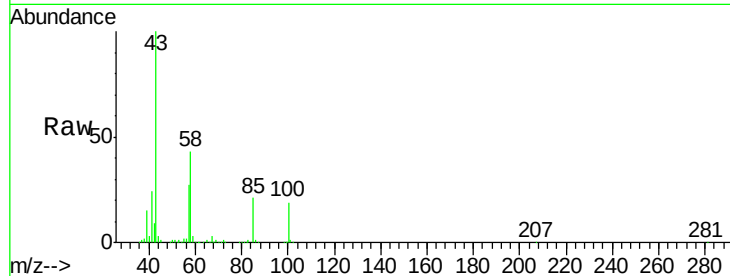
#51
 4-Methyl-2-Pentanone
 Concen: 275.781 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	32.2	48.4

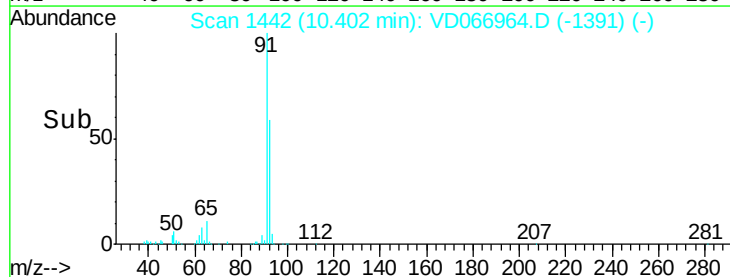
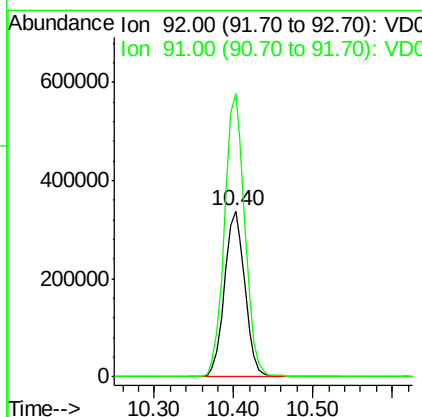
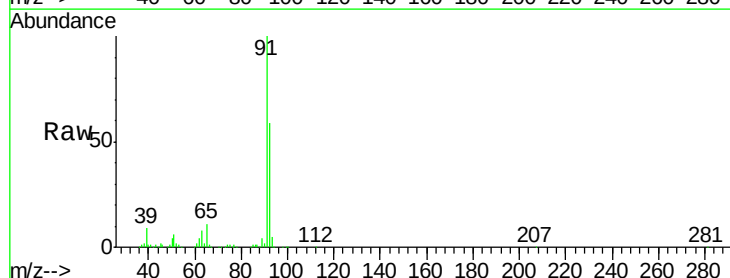
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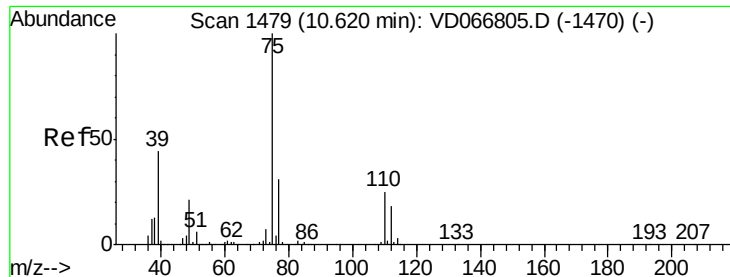
MMDadoda
 9/30/2020 1:22:19 PM



#52
 Toluene
 Concen: 53.975 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	134.6	202.0





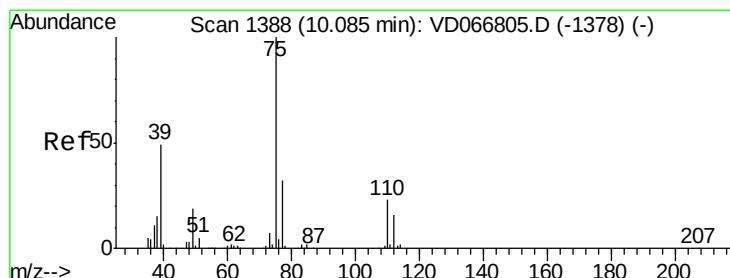
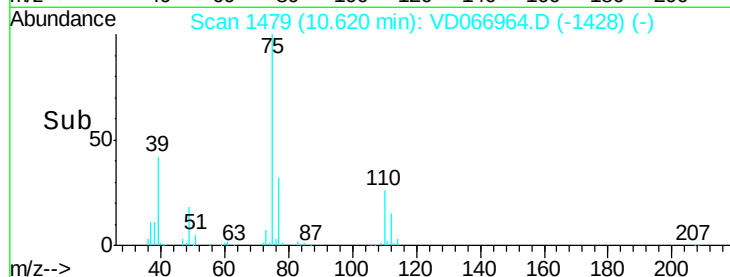
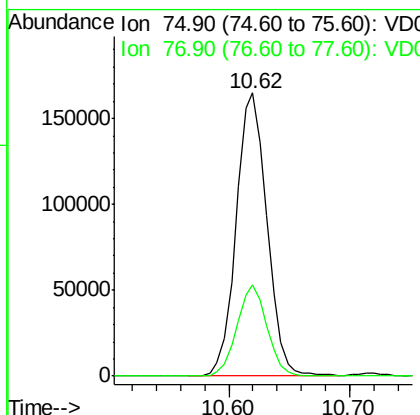
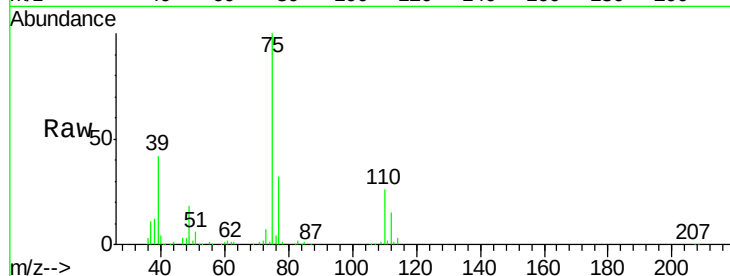
#53
t-1,3-Dichloropropene
Concen: 54.477 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7

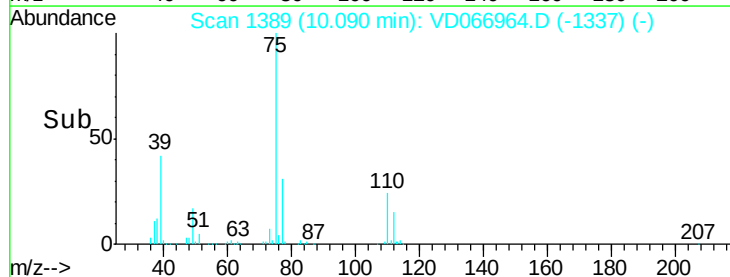
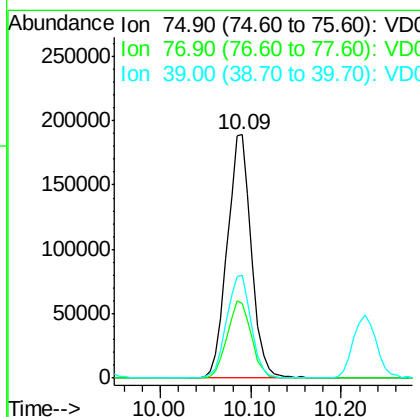
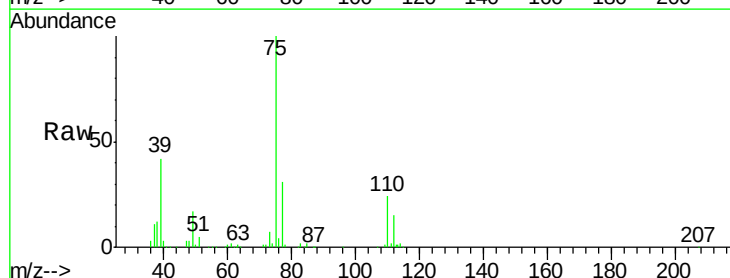
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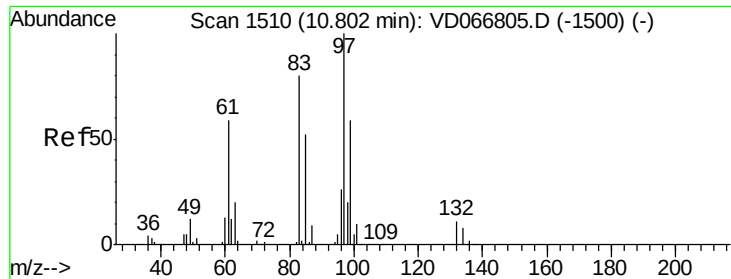
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.253 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.6	38.4
39	42.0	39.2	58.8





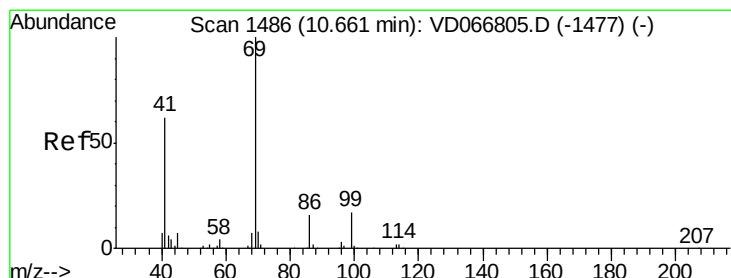
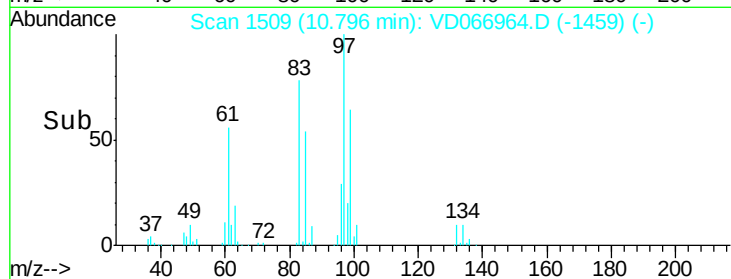
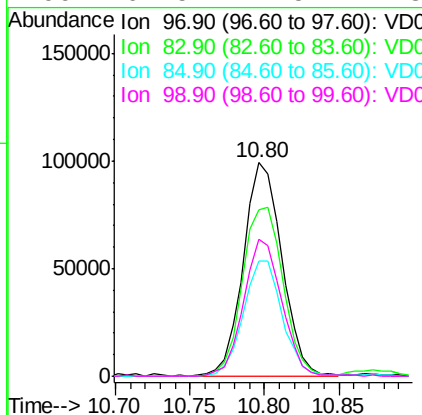
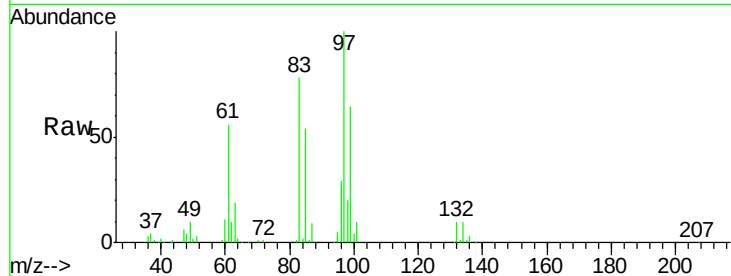
#55
 1,1,2-Trichloroethane
 Concen: 54.556 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	176848
Ion	Ratio	Lower	Upper
97	100		
83	77.8	64.2	96.2
85	53.8	41.9	62.9
99	64.5	47.5	71.3

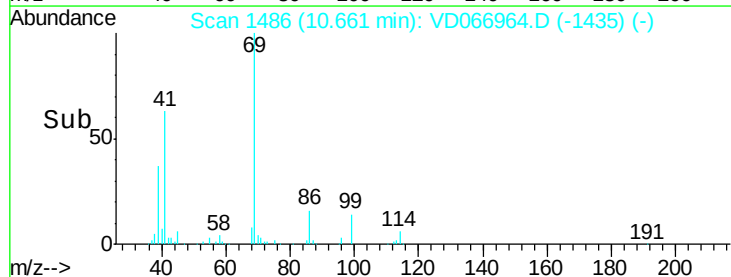
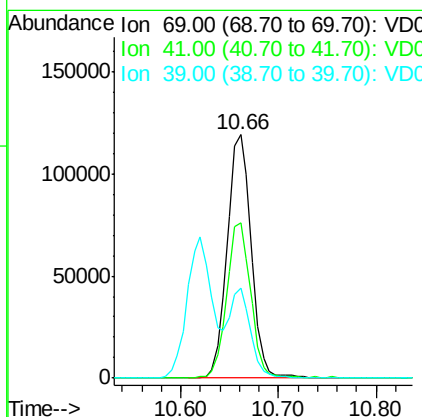
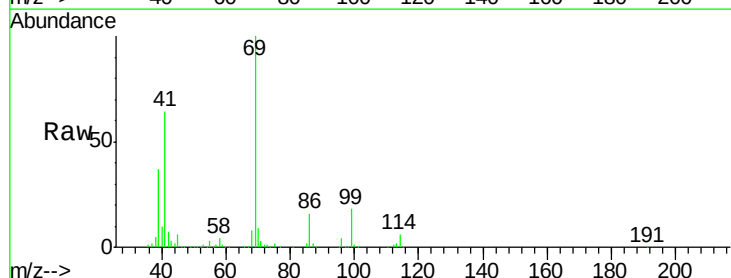
Manual Integrations
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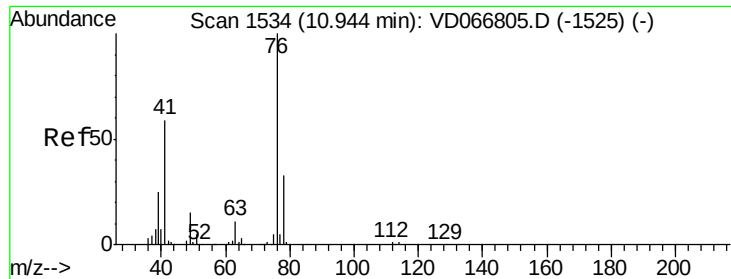
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 9/30/2020 1:22:19 PM



#56
 Ethyl methacrylate
 Concen: 58.677 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion:	69	Resp:	203764
Ion	Ratio	Lower	Upper
69	100		
41	63.3	52.2	78.2
39	31.5	26.6	40.0





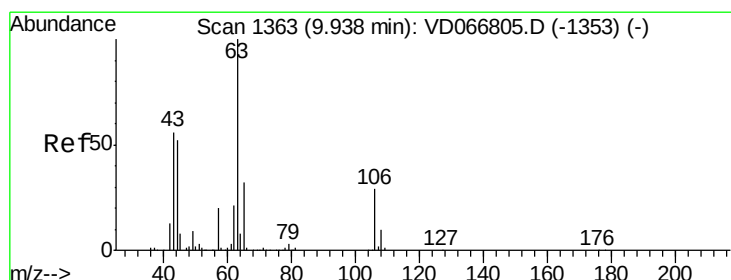
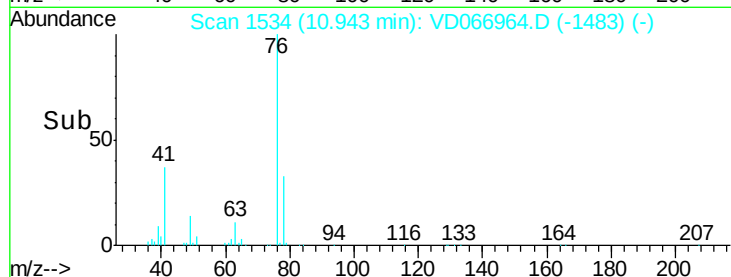
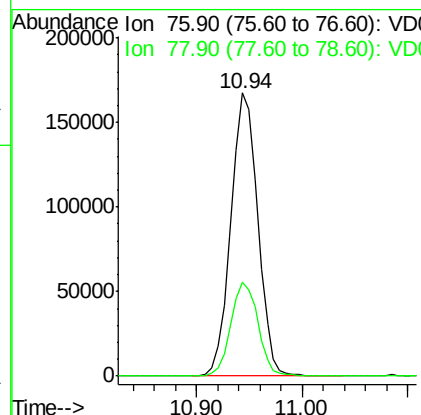
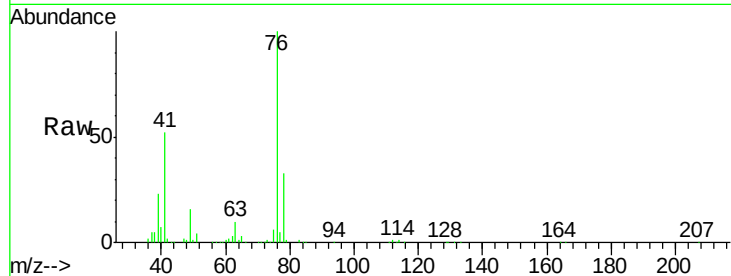
#57
 1,3-Dichloropropane
 Concen: 55.129 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.3	39.5

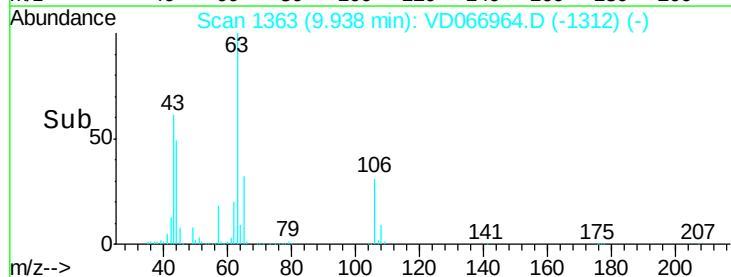
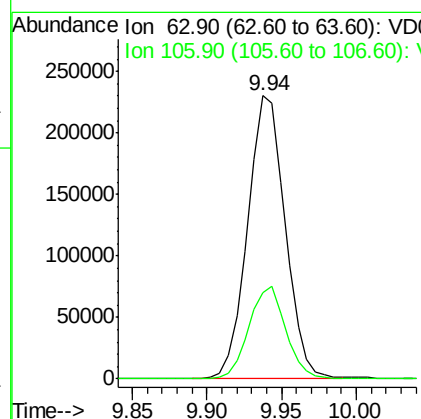
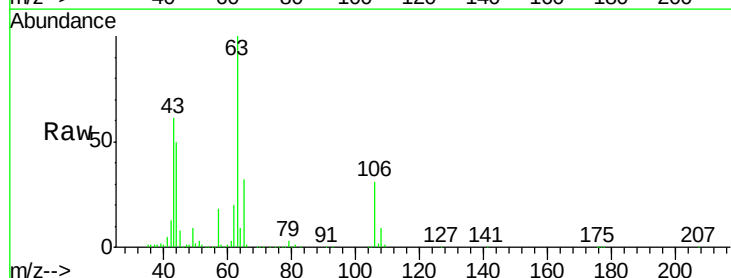
Manual Integrations
 APPROVED

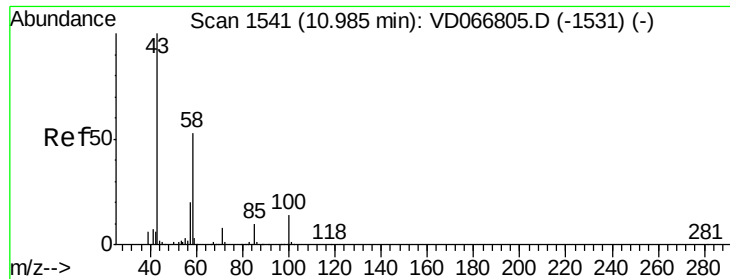
MMDadoda
 9/30/2020 1:22:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.287 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.1	23.8	35.6





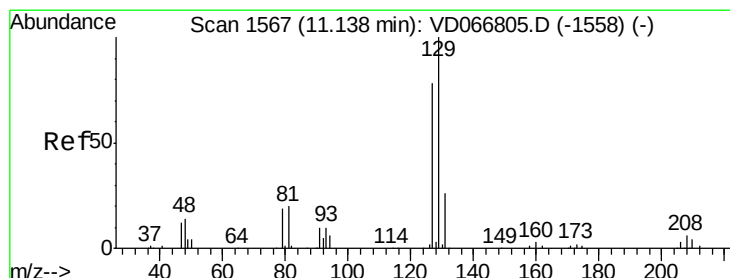
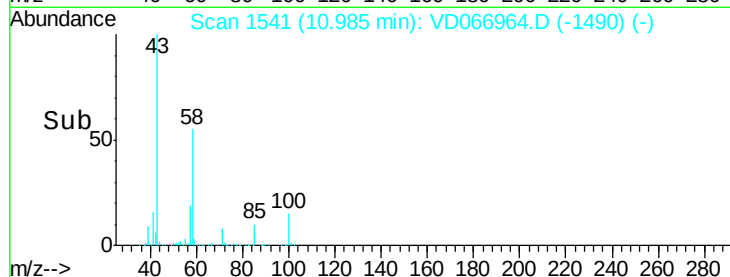
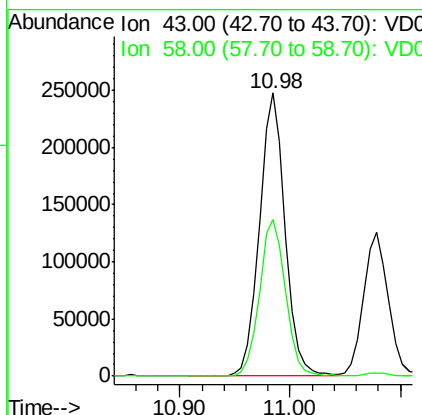
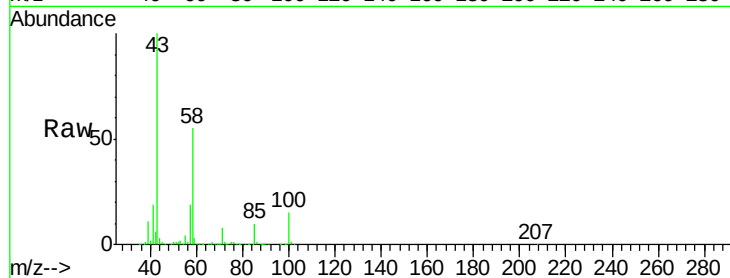
#59
2-Hexanone
Concen: 273.251 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	402781
Ion Ratio	100	Lower	Upper
43	100		
58	56.3	27.0	80.8

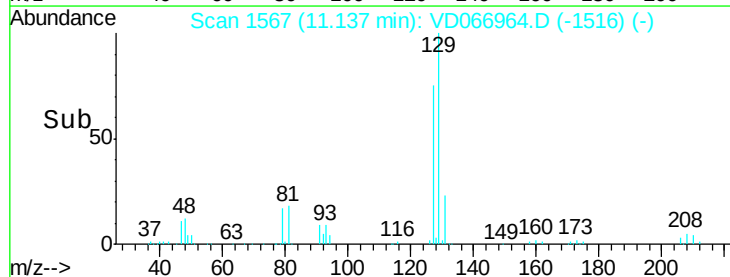
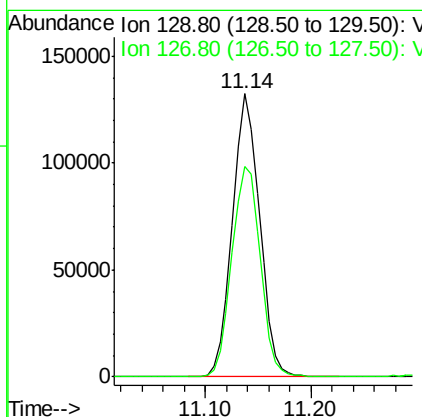
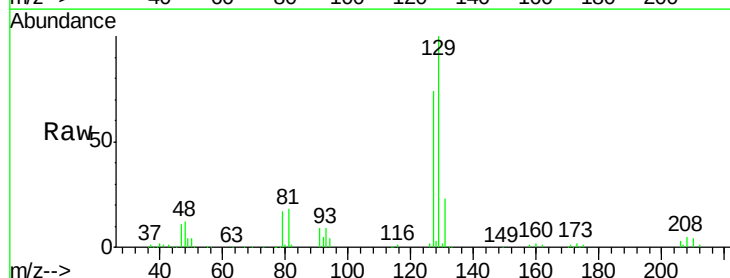
Manual Integrations
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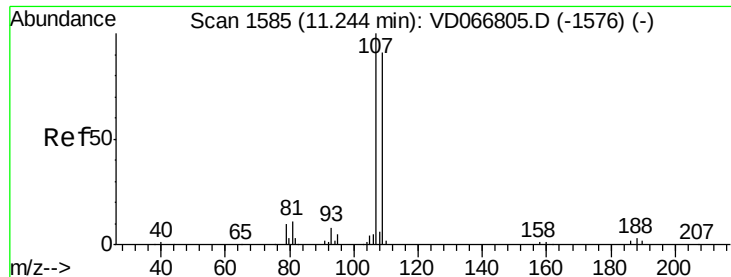
MMDadoda
9/30/2020 1:22:19 PM



#60
Dibromochloromethane
Concen: 55.832 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	129	Resp	236206	
Ion Ratio	129	100	Lower	Upper
129	100			
127	77.7	38.6	116.0	





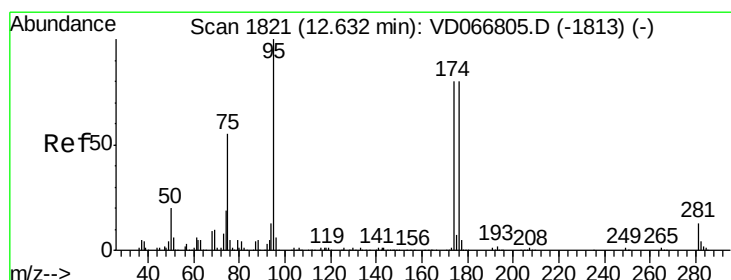
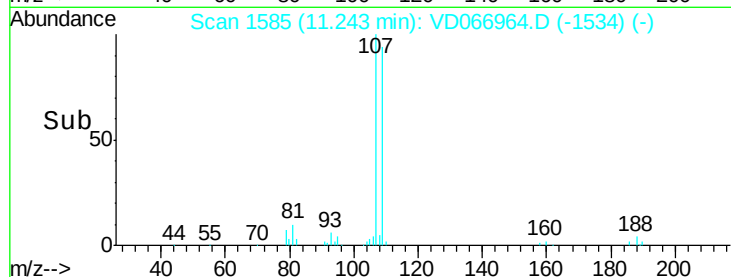
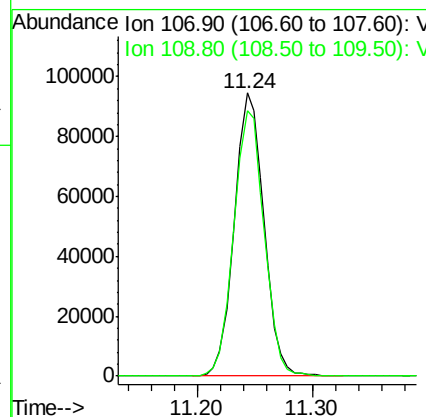
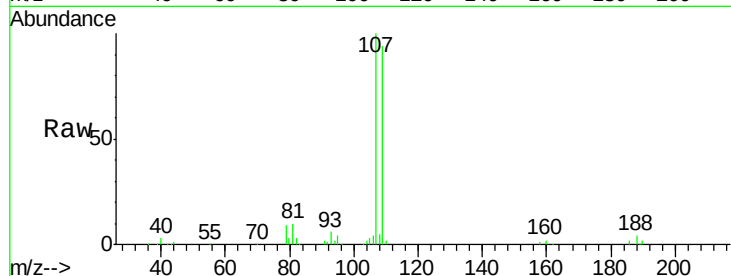
#61
 1,2-Dibromoethane
 Concen: 55.578 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 167572
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.0 112.4

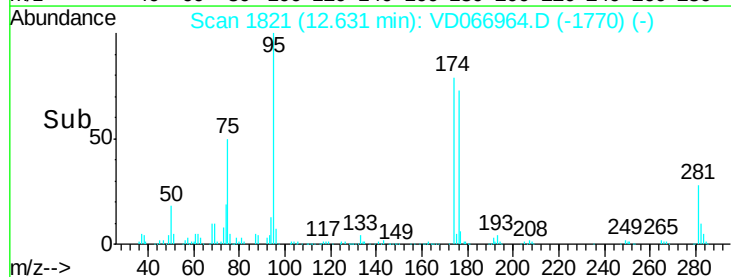
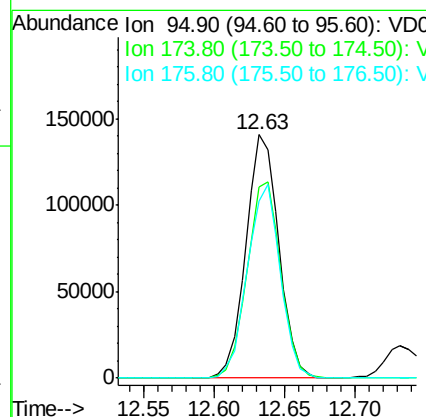
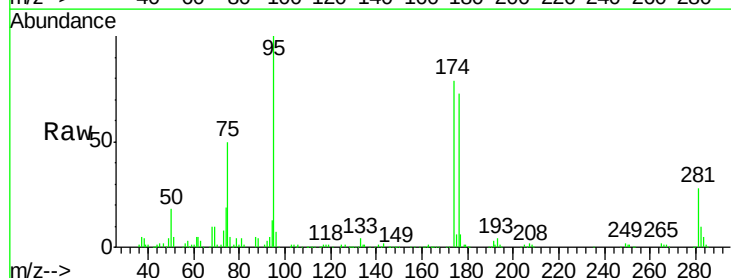
Manual Integrations
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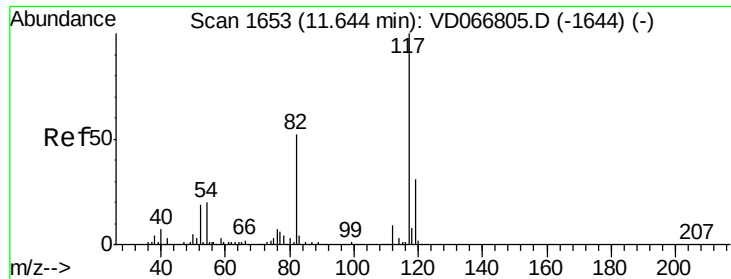
MMDadoda
 9/30/2020 1:22:19 PM



#62
 4-Bromofluorobenzene
 Concen: 49.661 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion: 95 Resp: 229904
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 159.8
 176 79.7 0.0 154.4





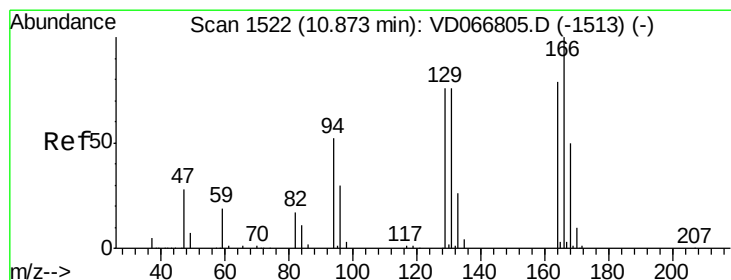
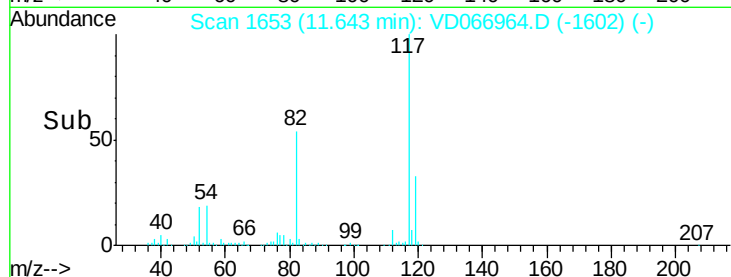
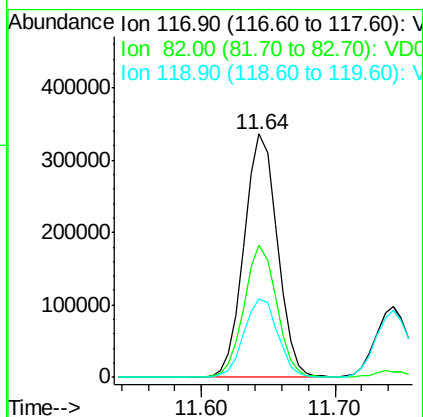
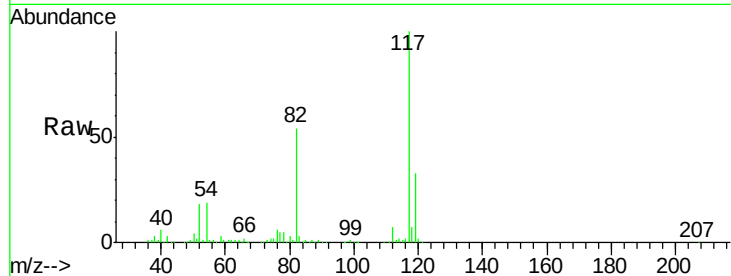
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	41.8	62.6
119	32.5	24.6	37.0

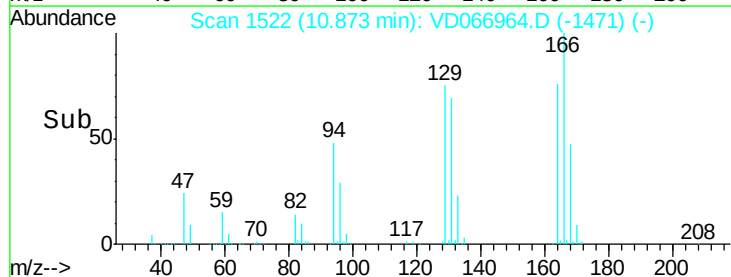
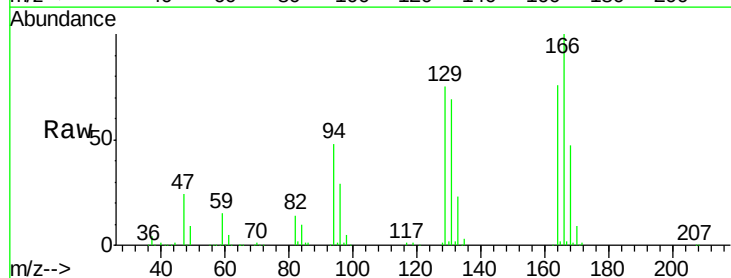
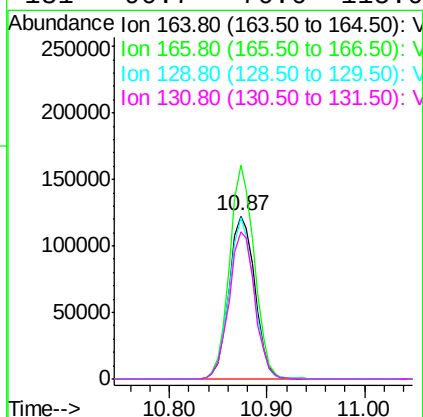
Manual Integrations
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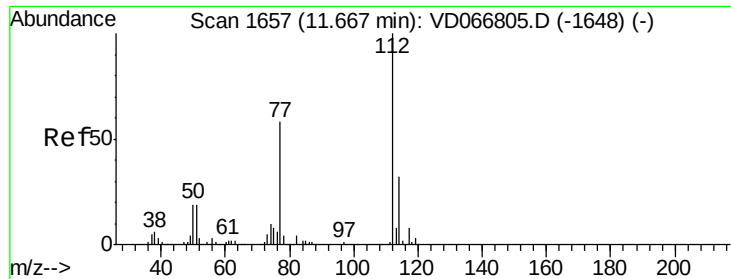
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#64
Tetrachloroethene
Concen: 53.829 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	101.1	151.7
129	98.9	77.0	115.4
131	90.7	76.6	115.0





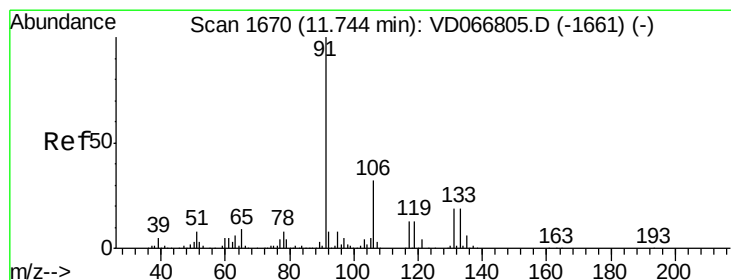
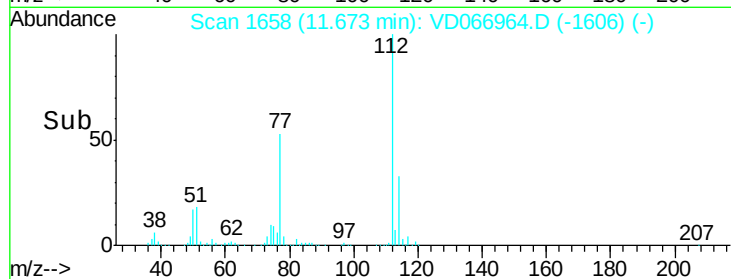
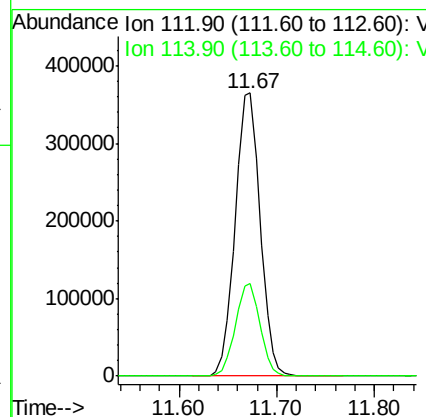
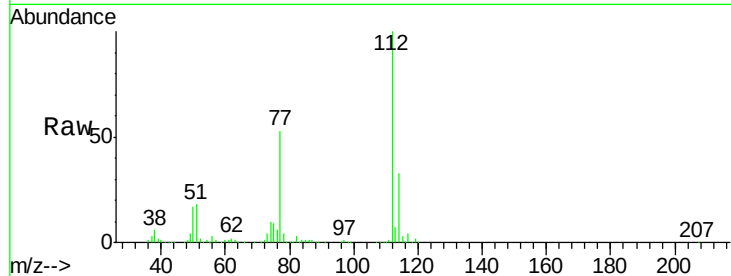
#65
Chlorobenzene
Concen: 53.798 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.2

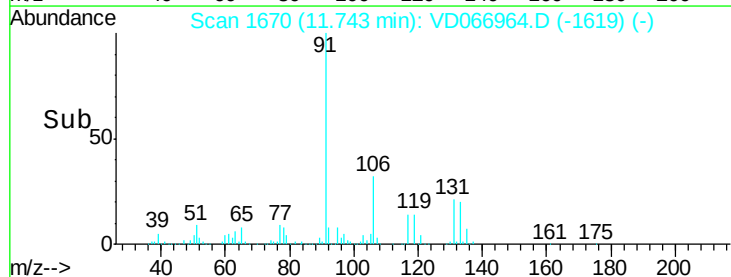
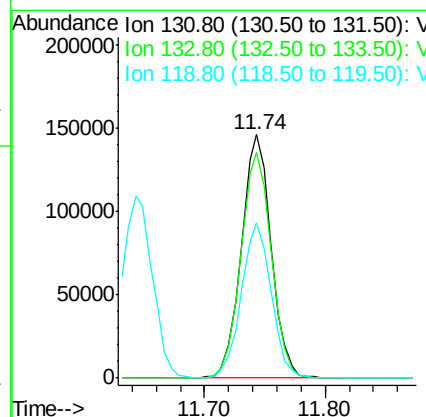
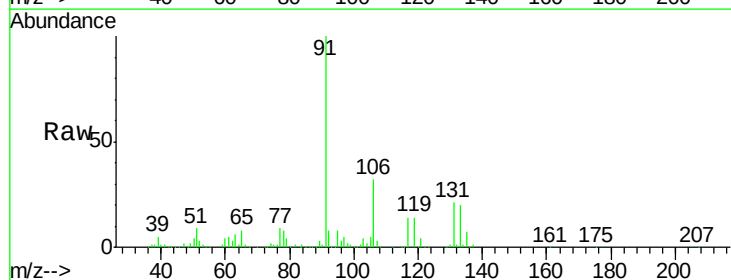
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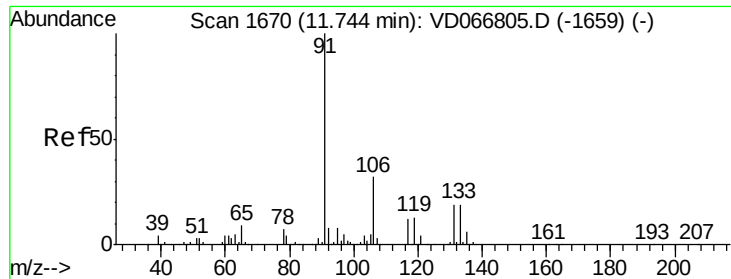
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.890 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	46.7	140.1
119	64.1	32.3	96.9





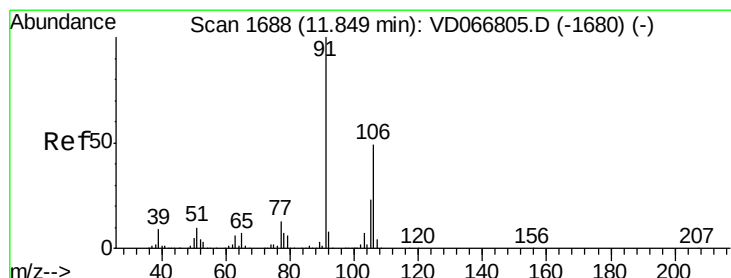
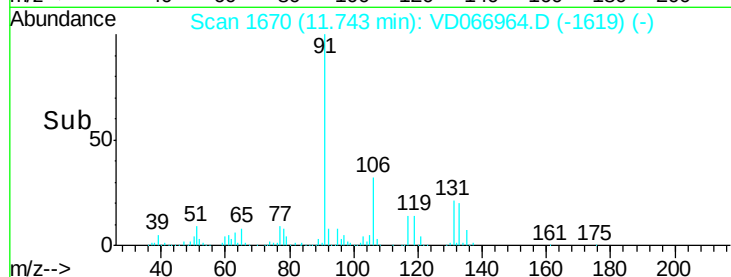
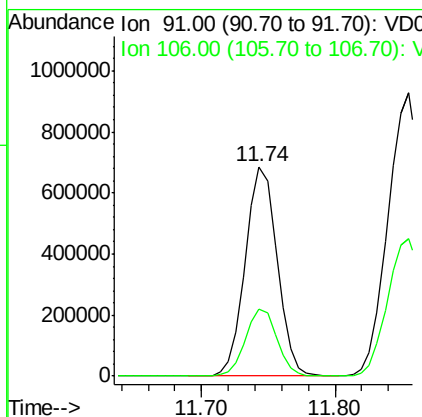
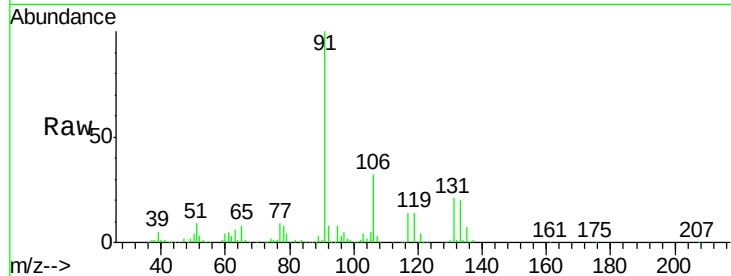
#67
Ethyl Benzene
Concen: 53.285 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1129764
Ion Ratio Lower Upper
91 100
106 32.3 25.6 38.4

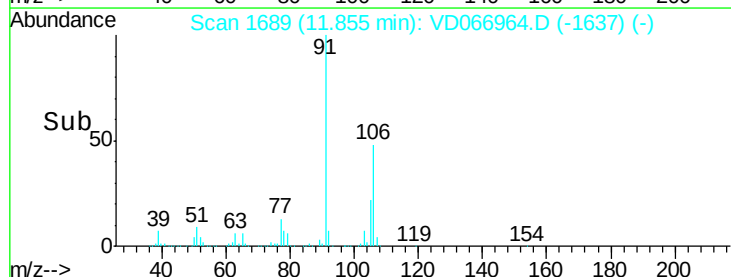
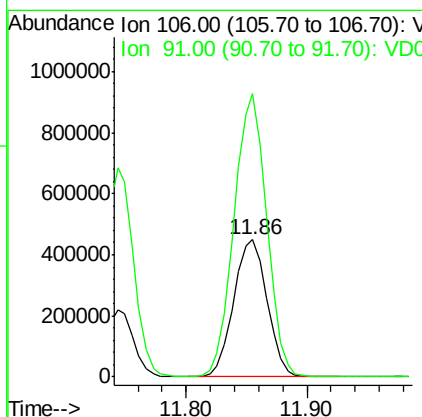
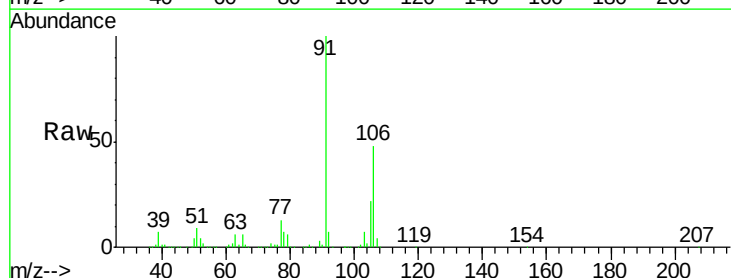
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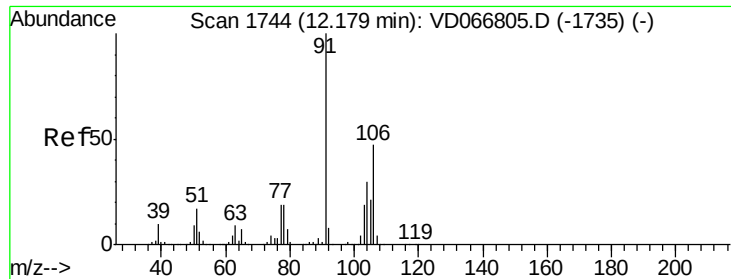
MMDadoda
9/30/2020 1:22:19 PM



#68
m/p-Xylenes
Concen: 108.442 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion: 106 Resp: 870513
Ion Ratio Lower Upper
106 100
91 200.8 160.7 241.1





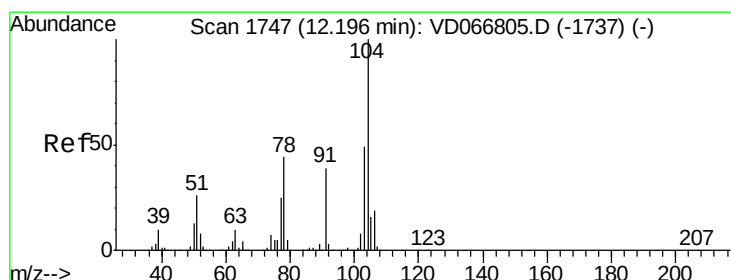
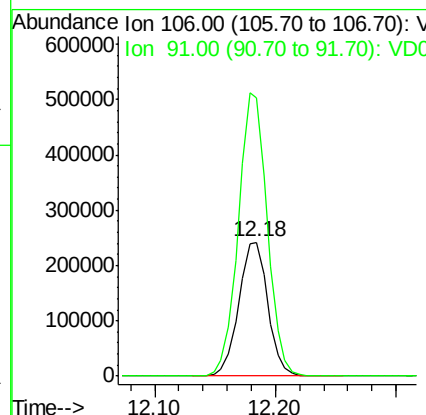
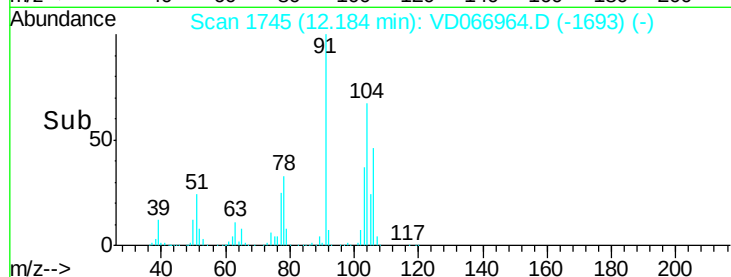
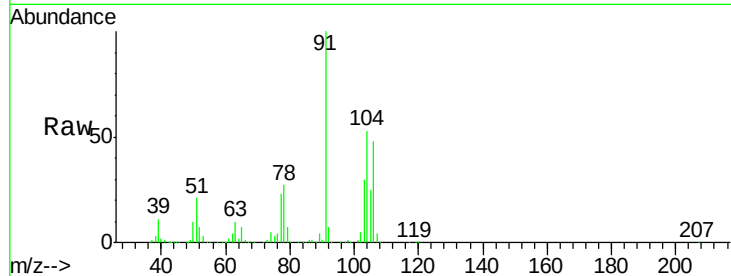
#69
o-Xylene
Concen: 55.935 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	406015		
91	209.7	106.3	318.8	

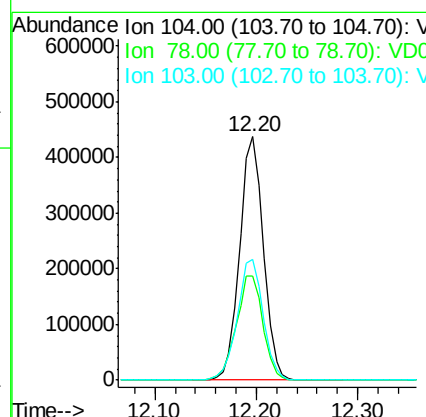
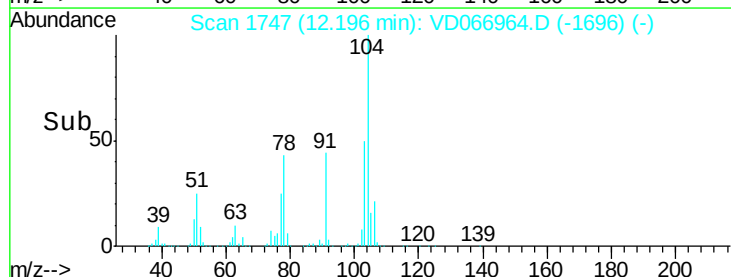
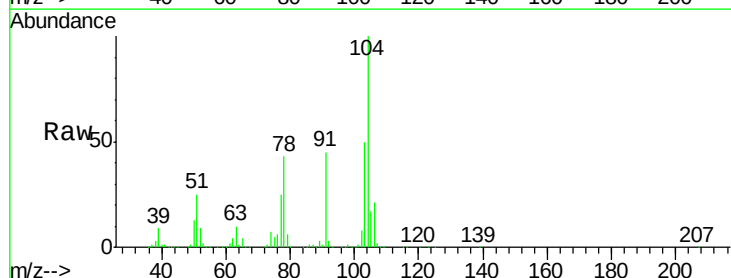
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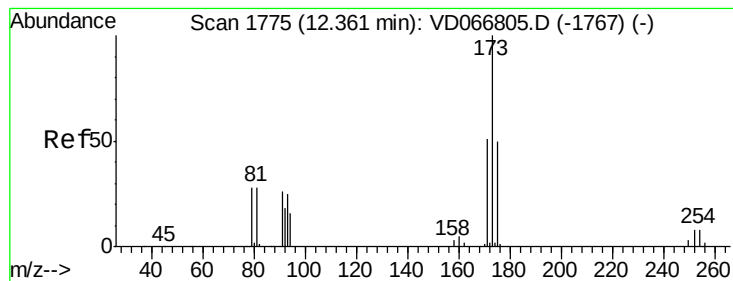
MMDadoda
9/30/2020 1:22:19 PM



#70
Styrene
Concen: 56.411 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	711090		
78	48.1	38.9	58.3	
103	53.9	43.2	64.8	





#71

Bromoform

Concen: 56.781 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

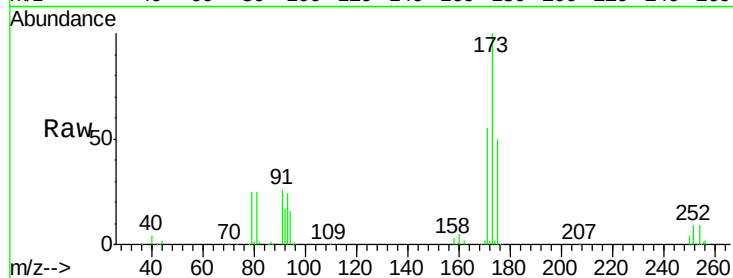
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.2	0.1	0.1

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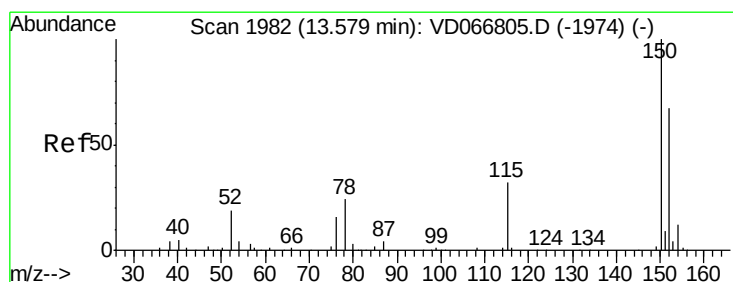
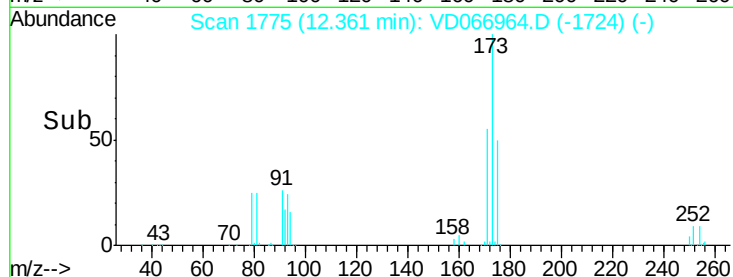
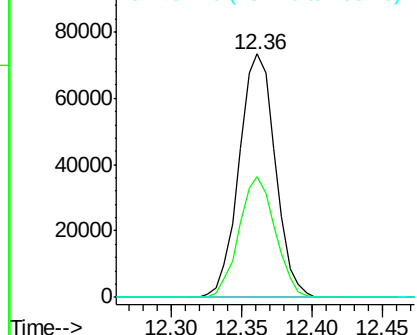


Abundance

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: VD066964.D

Acq: 30 Sep 2020 04:13

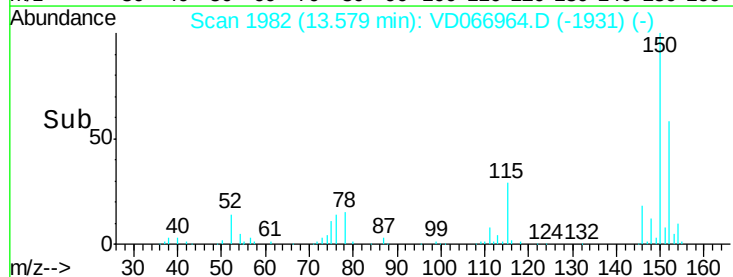
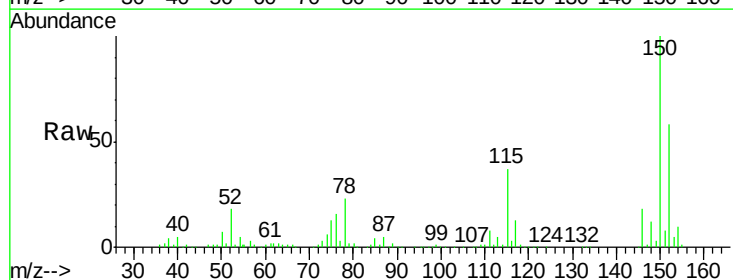
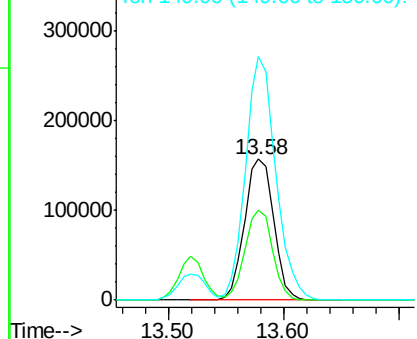
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.3	91.0
150	179.1	0.0	346.2

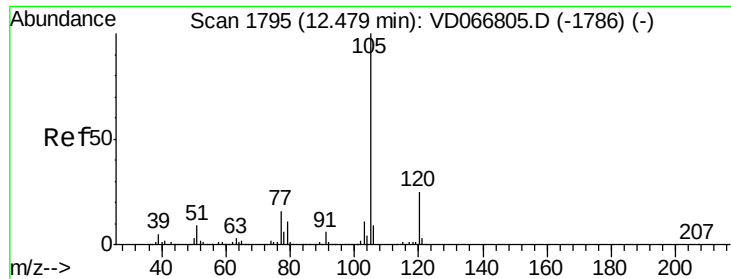
Abundance

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: 54.535 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1087669

Ion Ratio Lower Upper

105 100

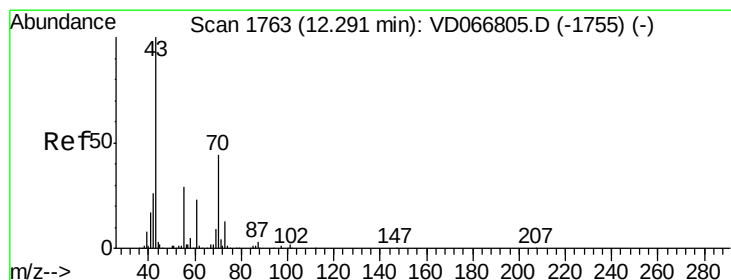
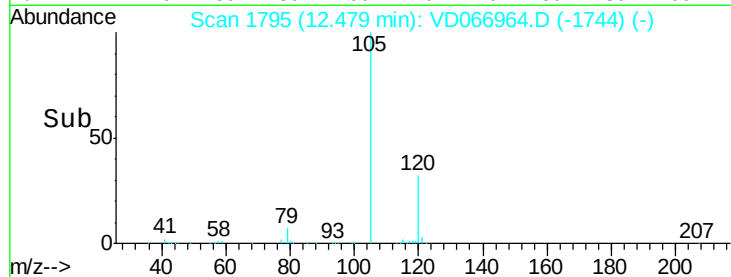
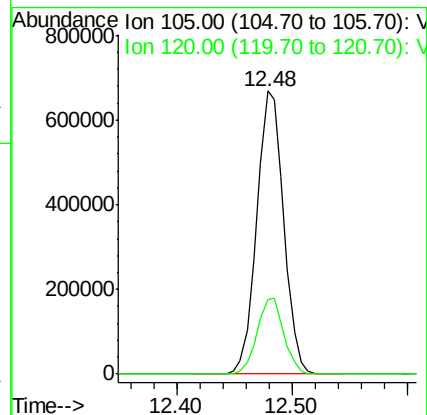
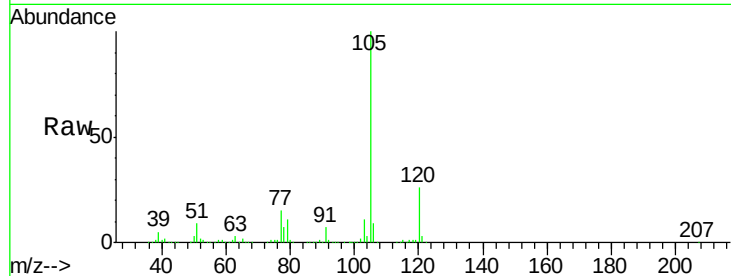
120 26.4 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.081 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion: 43 Resp: 206742

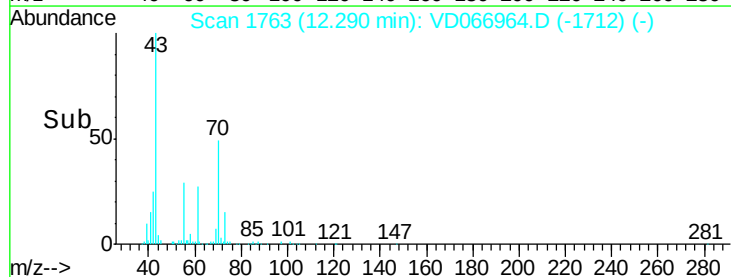
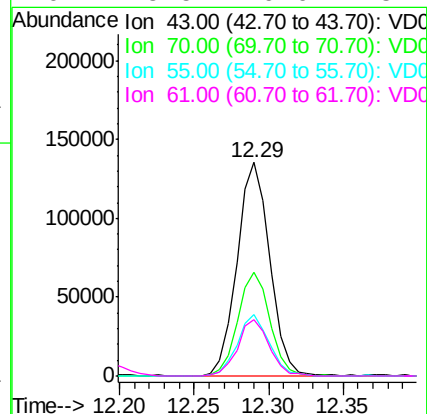
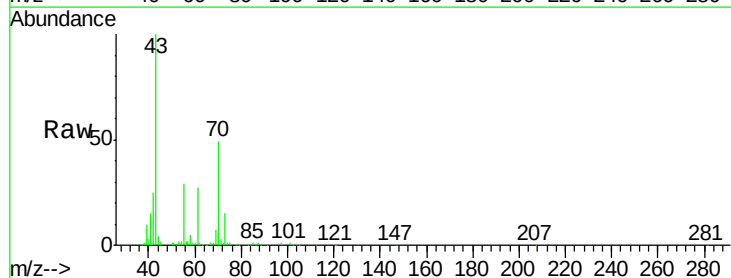
Ion Ratio Lower Upper

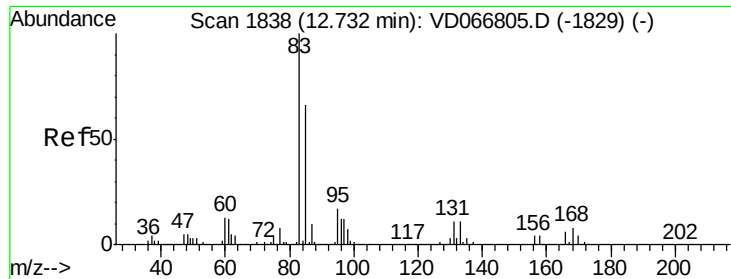
43 100

70 47.6 36.1 54.1

55 28.4 21.8 32.8

61 25.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.262 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

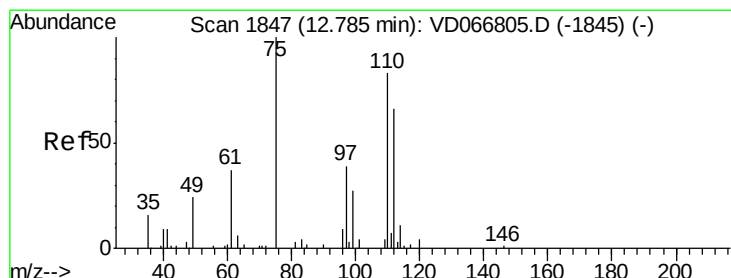
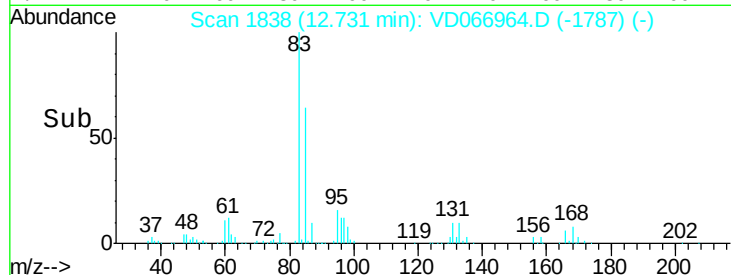
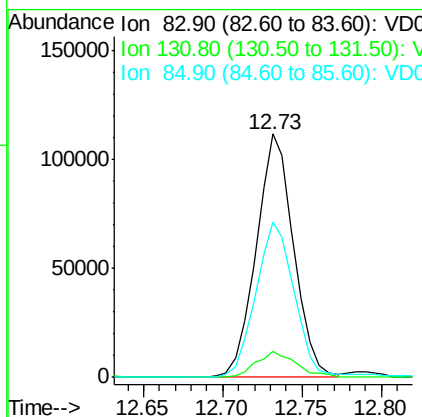
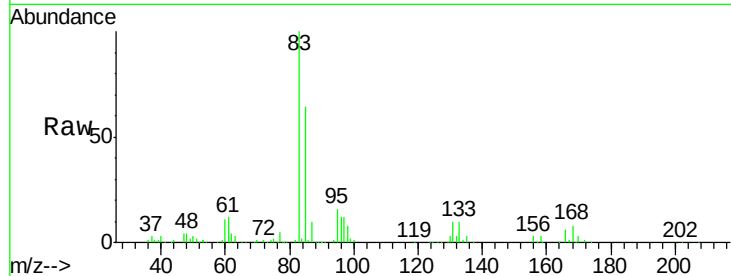
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	183301
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.7
85	66.5	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.404 ug/l m

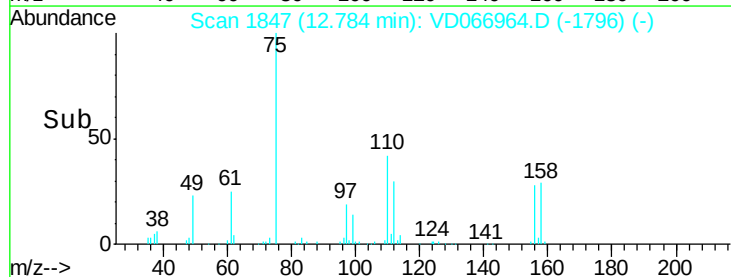
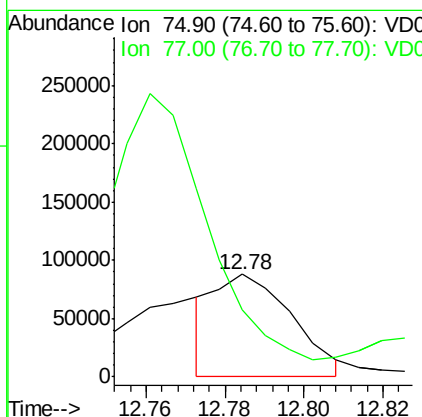
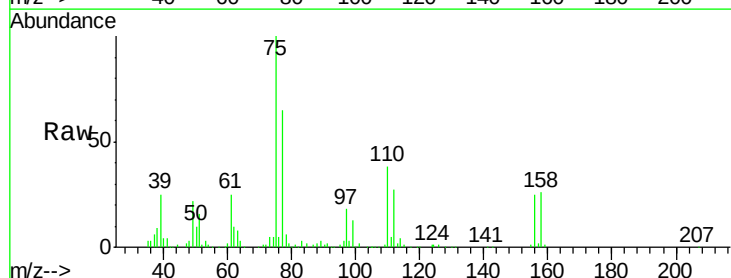
RT: 12.78 min Scan# 1847

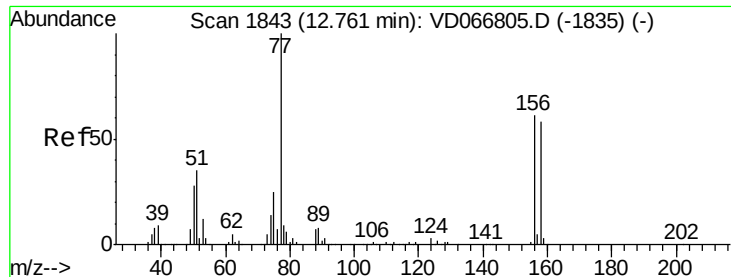
Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	75	Resp:	119899
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.574 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

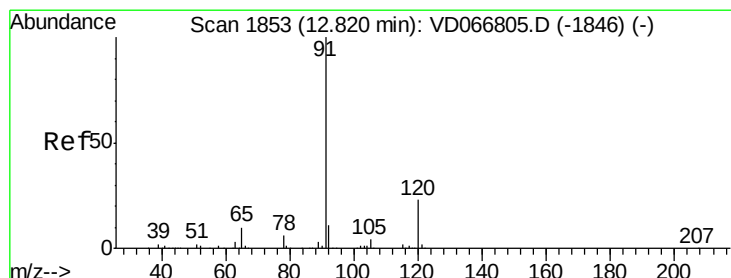
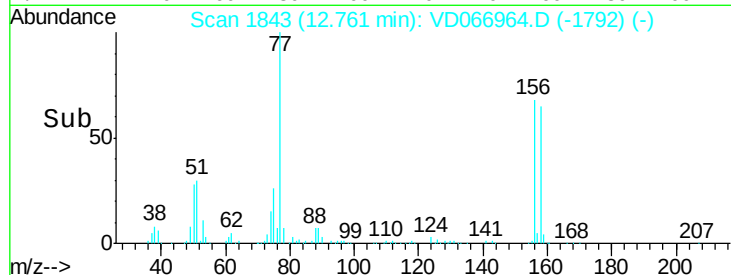
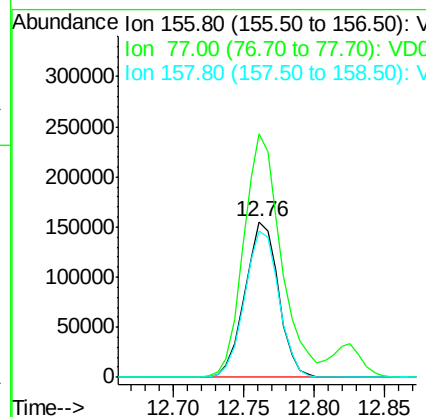
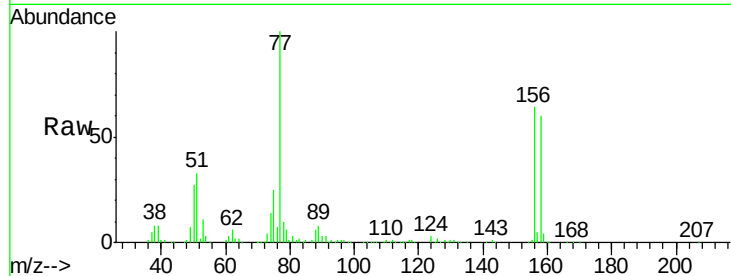
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	259229
Ion Ratio	Lower	Upper	
156	100		
77	173.3	92.3	276.9
158	96.1	47.6	142.9

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#78

n-propylbenzene

Concen: 52.570 ug/l

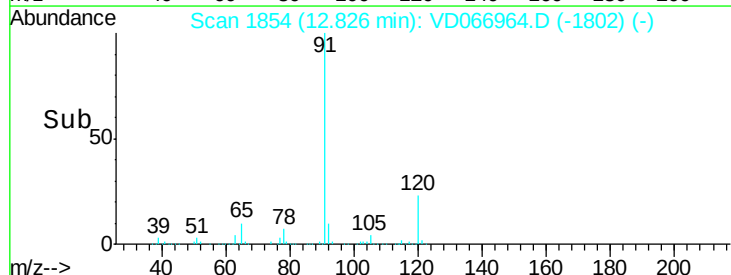
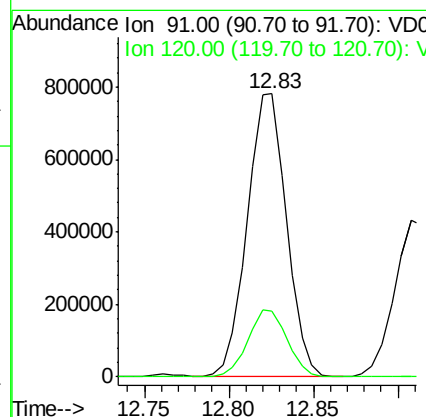
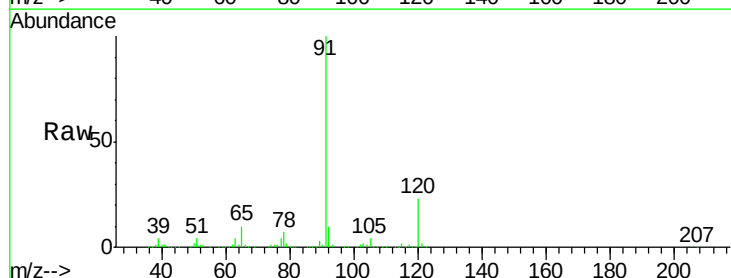
RT: 12.83 min Scan# 1854

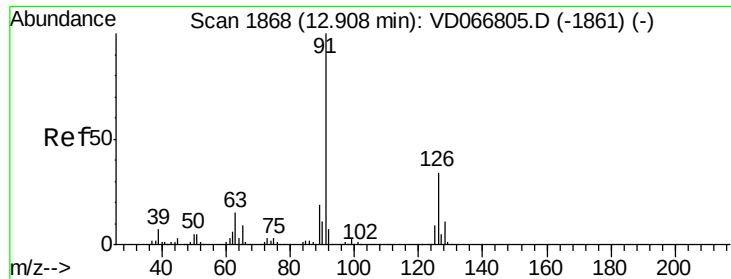
Delta R.T. 0.01 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	91	Resp:	1261360
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.4	34.2





#79

2-Chlorotoluene

Concen: 53.476 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 731181

Ion Ratio Lower Upper

91 100

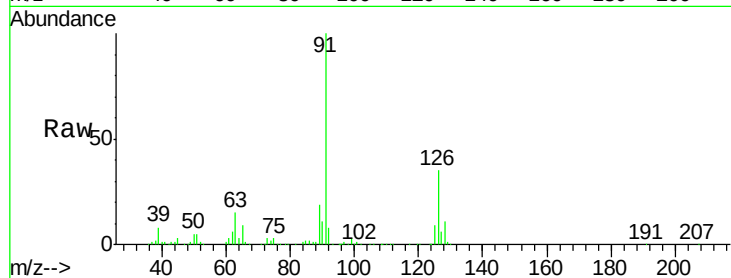
126 34.6 17.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066805.D (-1861) (-)

800000

600000

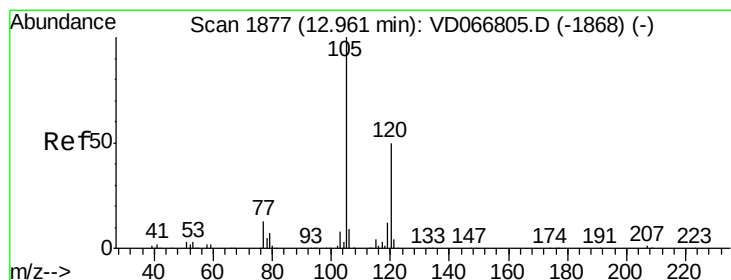
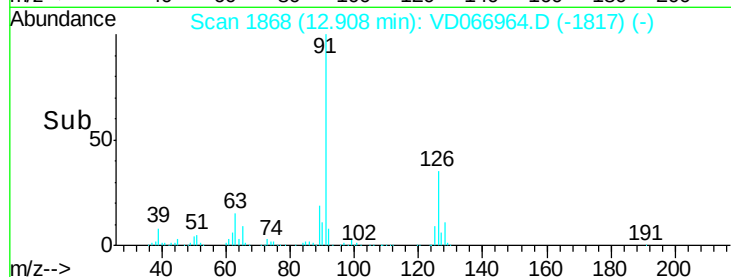
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.666 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066964.D

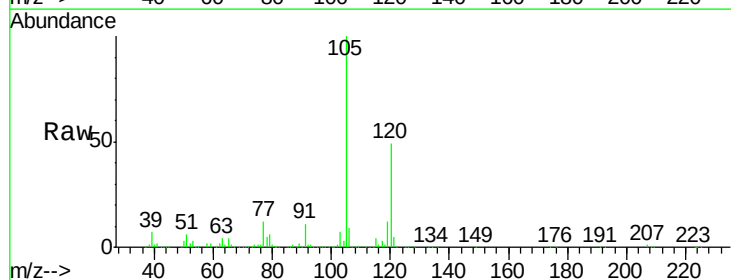
Acq: 30 Sep 2020 04:13

Tgt Ion:105 Resp: 925116

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD066805.D (-1868) (-)

600000

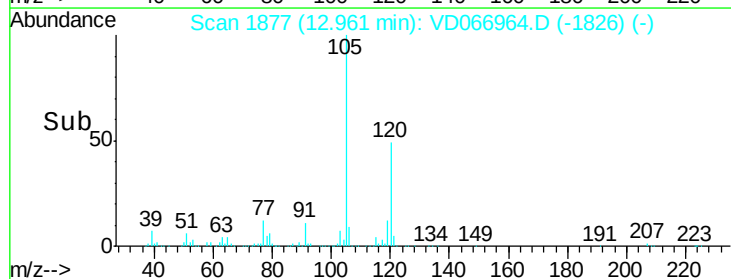
400000

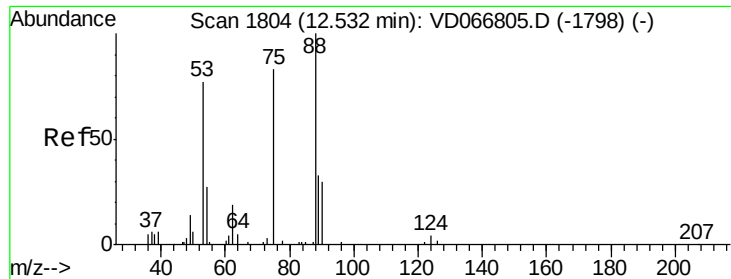
200000

0

12.90 12.95 13.00

Time-->





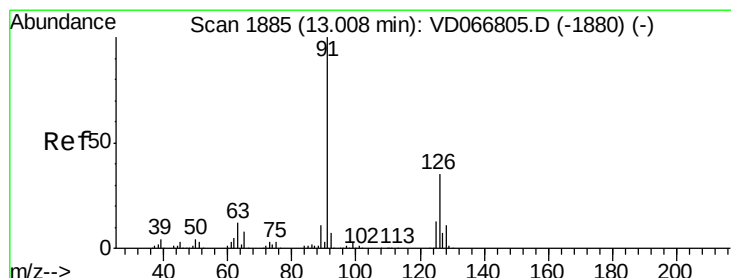
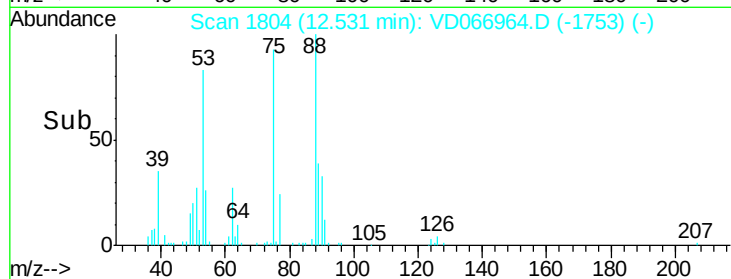
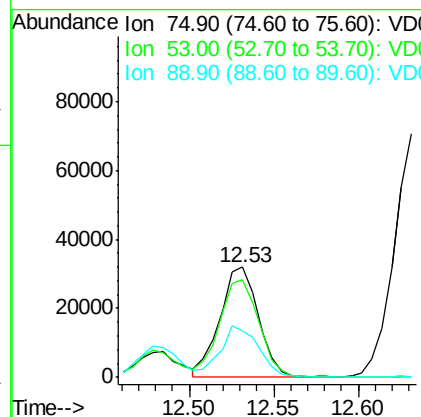
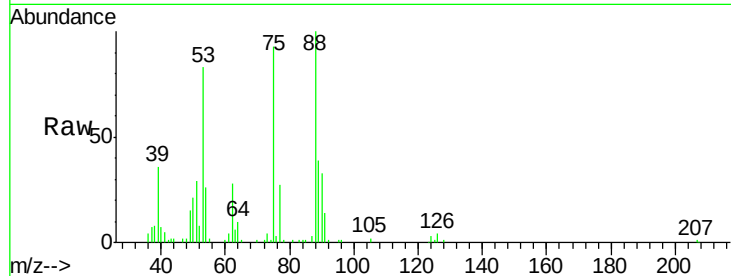
#81
trans-1,4-Dichloro-2-butene
Concen: 55.979 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	78.5	117.7
89	46.4	38.1	57.1

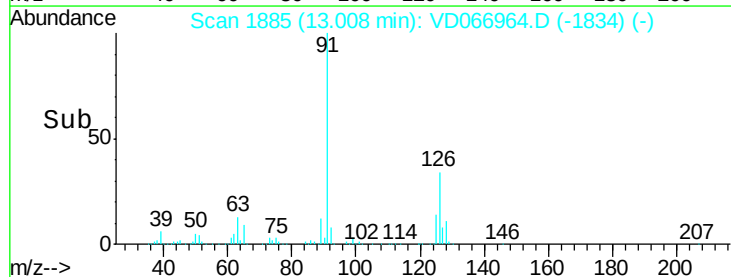
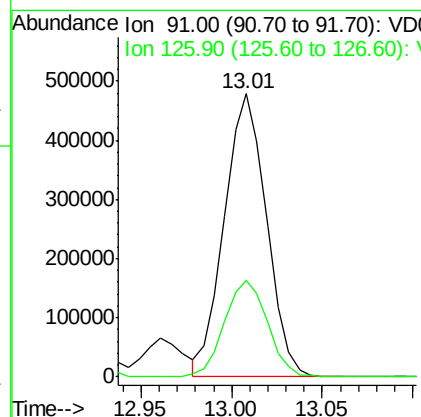
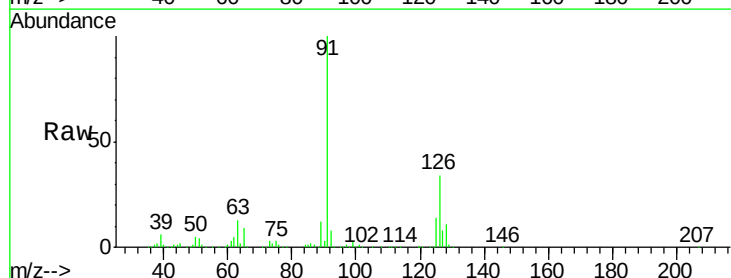
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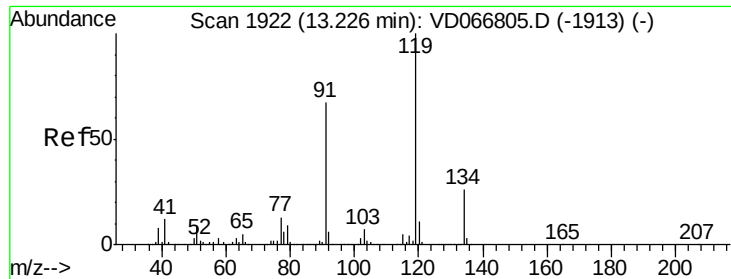
MMDadoda
9/30/2020 1:22:19 PM



#82
4-Chlorotoluene
Concen: 53.471 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.1	51.2





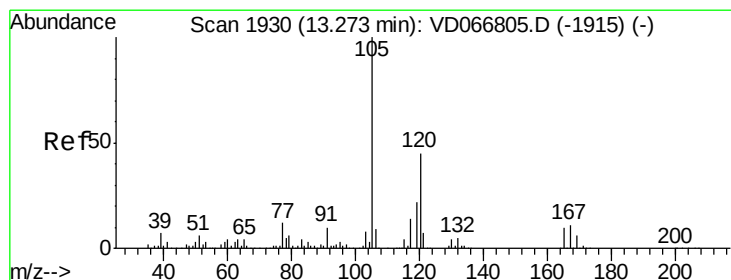
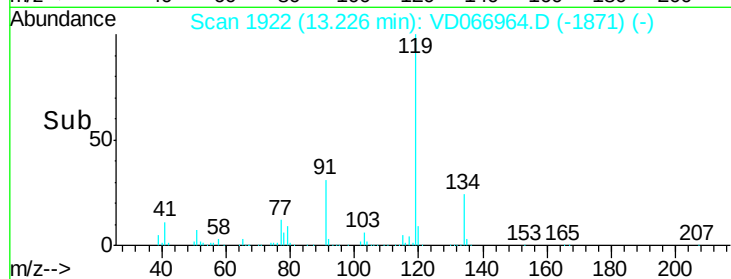
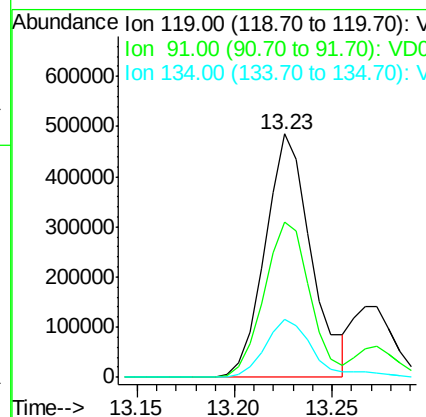
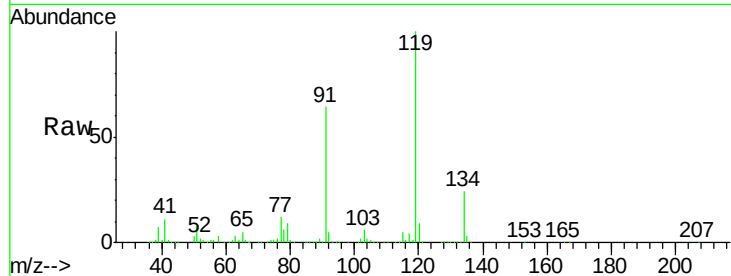
#83
 tert-Butylbenzene
 Concen: 56.978 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	33.6	100.8
134	25.3	13.5	40.4

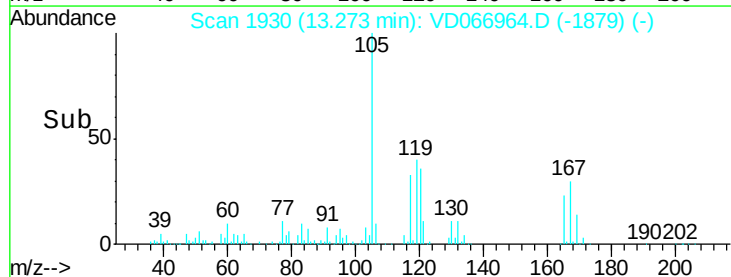
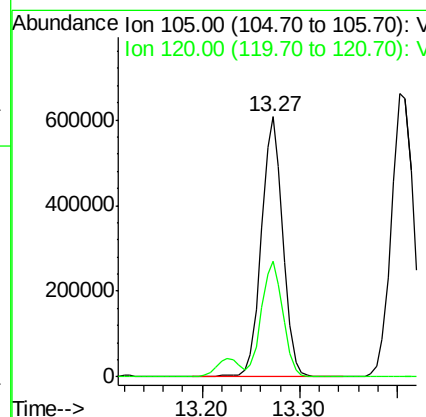
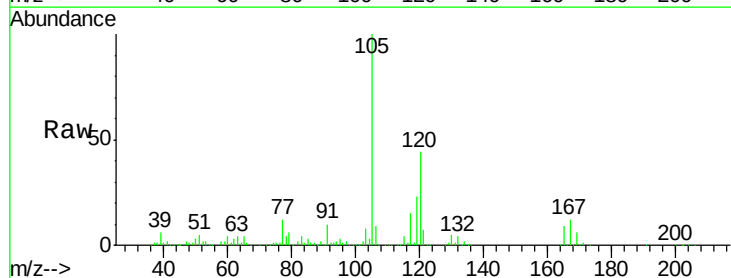
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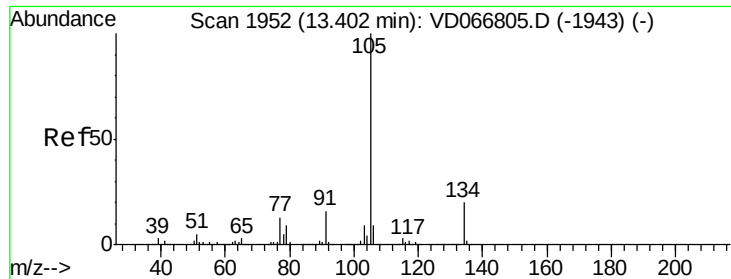
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.947 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.9





#85

sec-Butylbenzene

Concen: 52.610 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1052041

Ion Ratio Lower Upper

105 100

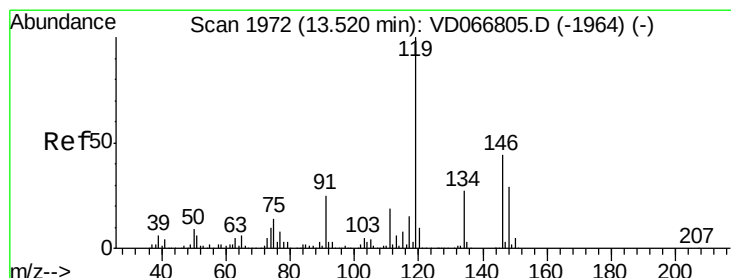
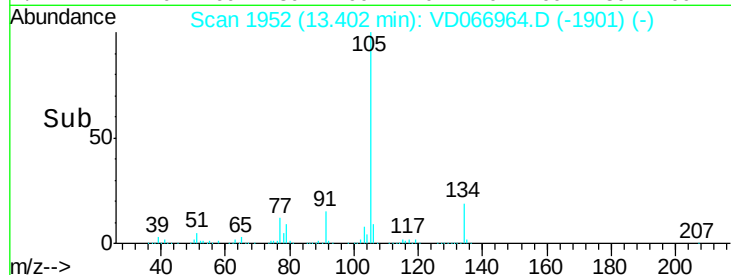
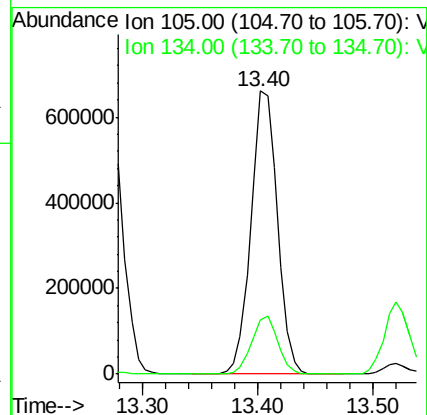
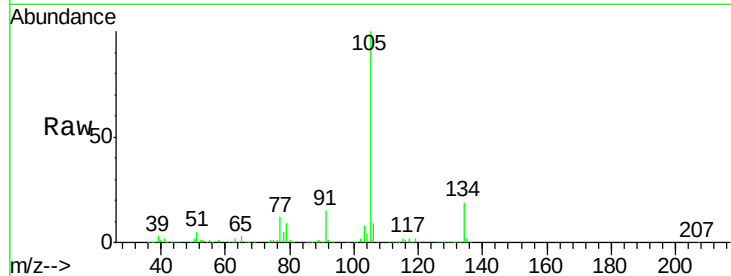
134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 55.116 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

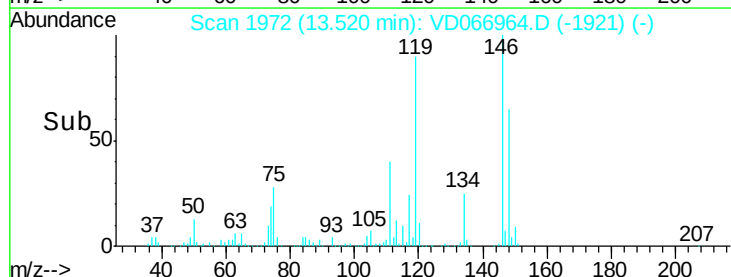
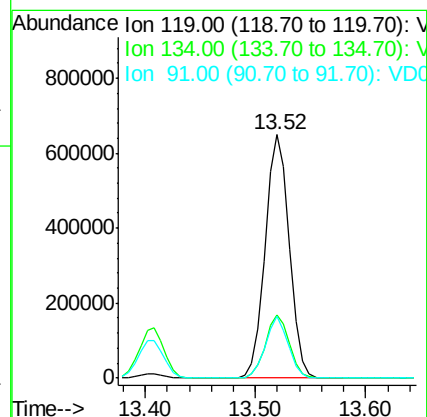
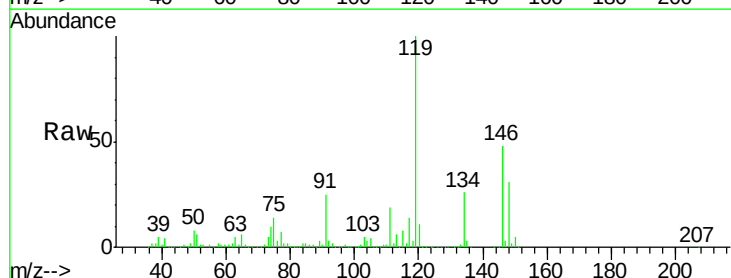
Tgt Ion:119 Resp: 993480

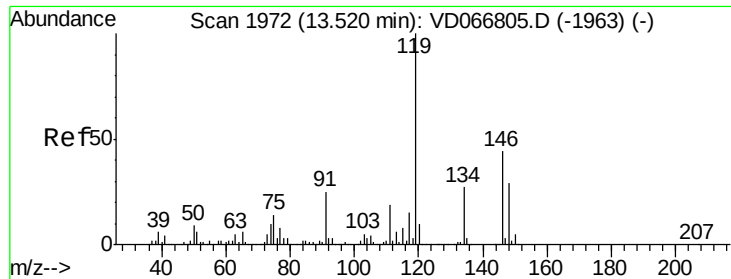
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 23.7 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 53.571 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

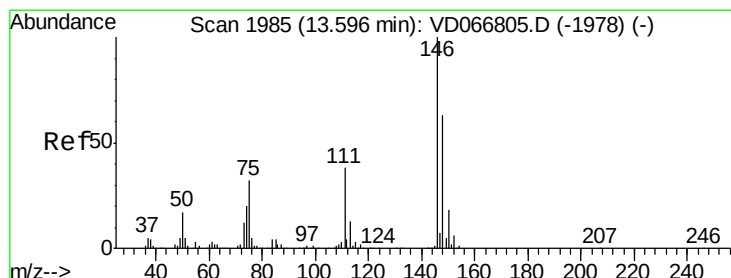
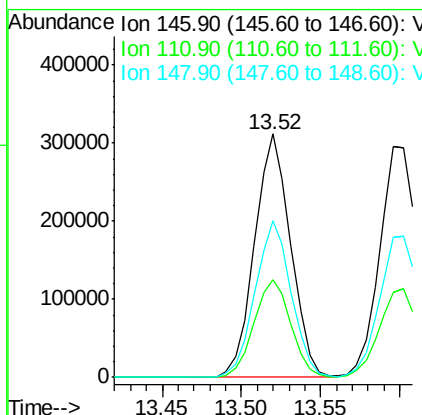
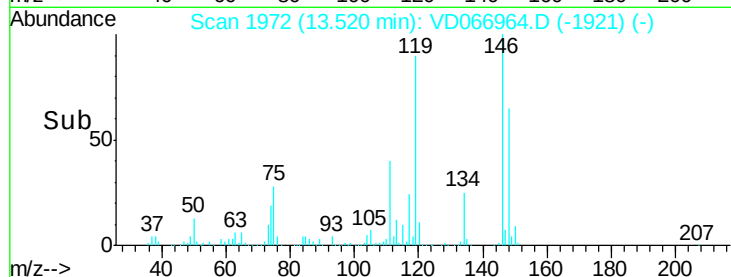
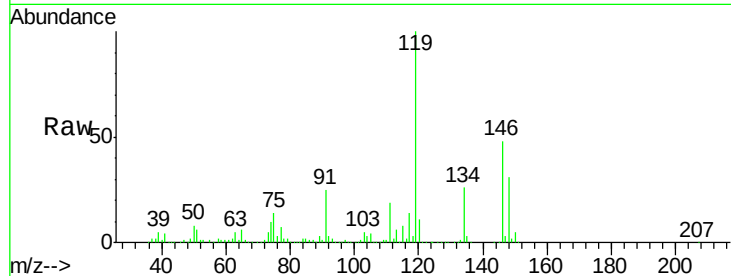
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	493687		
111	40.8	20.3	60.9	
148	64.4	31.9	95.5	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.773 ug/l

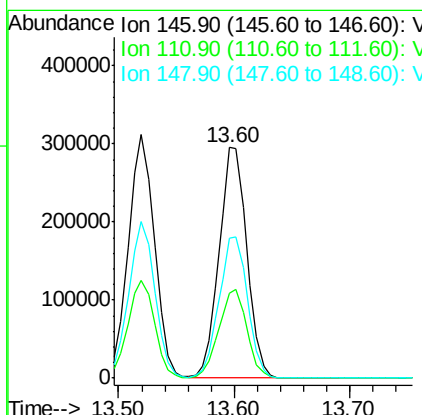
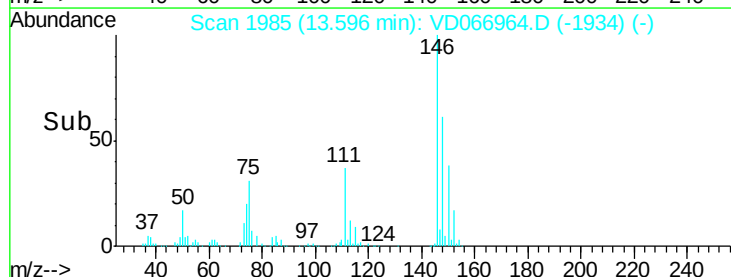
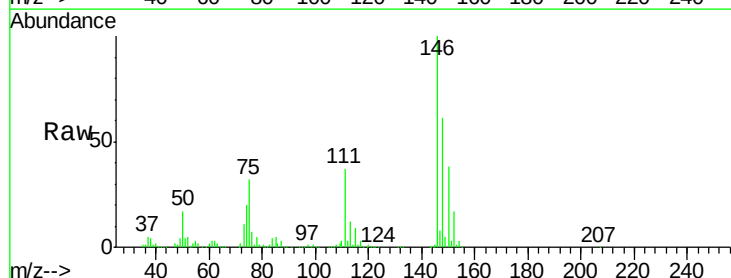
RT: 13.60 min Scan# 1985

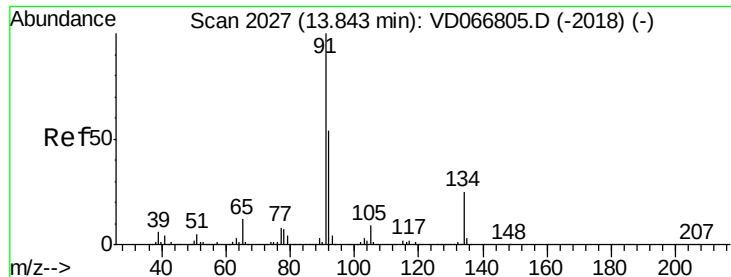
Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	492177		
111	38.6	20.2	60.5	
148	63.0	31.6	94.7	





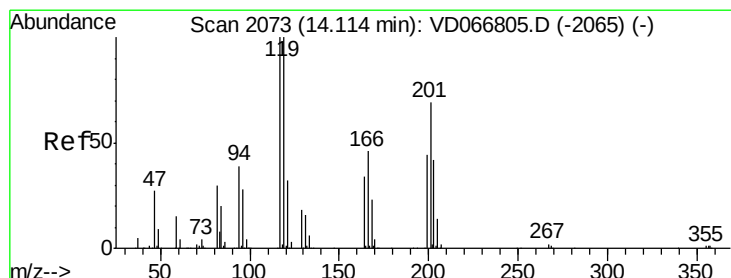
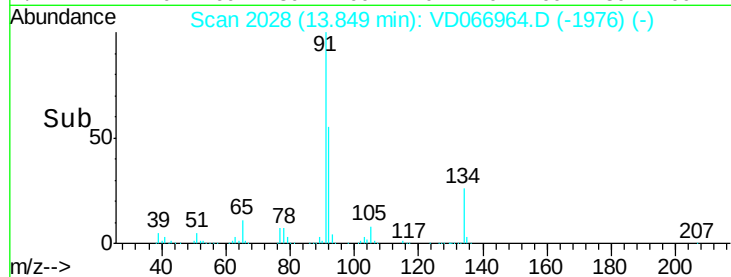
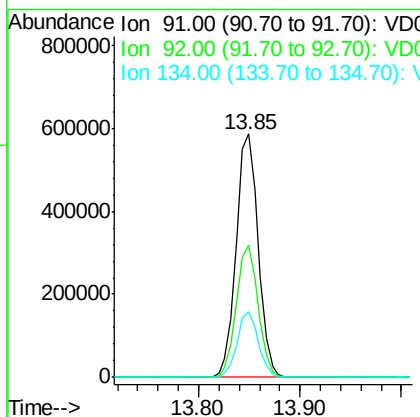
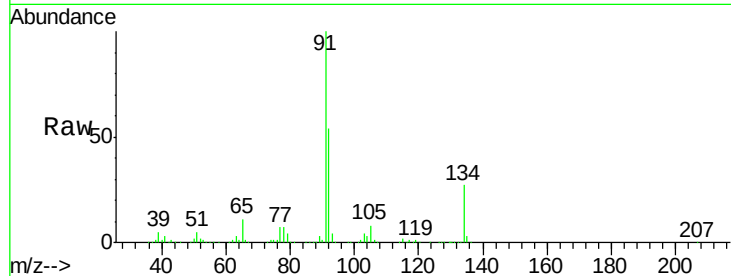
#89
n-Butylbenzene
Concen: 51.571 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	26.7	80.0	
134	26.2	13.1	39.1	

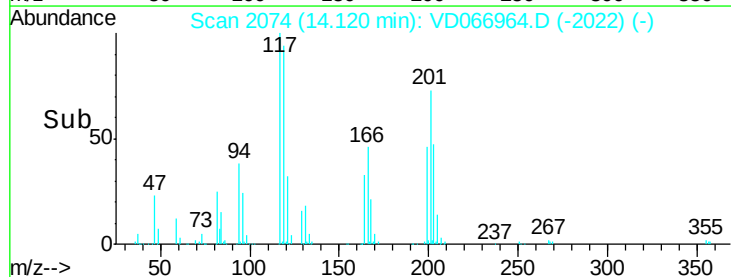
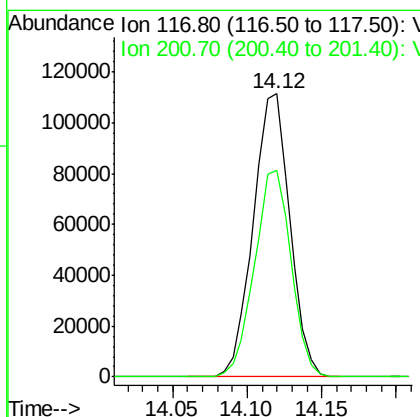
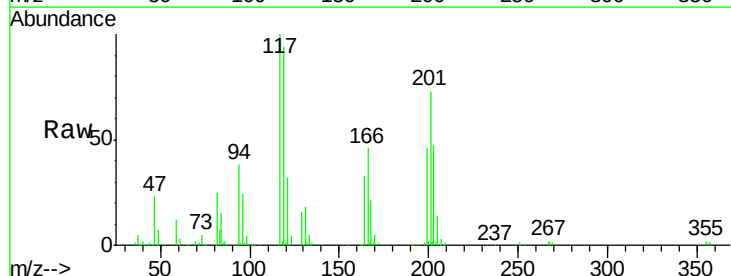
Manual Integrations
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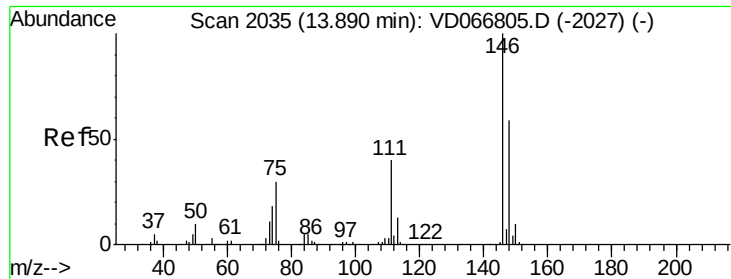
MMDadoda
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#90
Hexachloroethane
Concen: 51.627 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066964.D
Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.8	33.7	101.0	





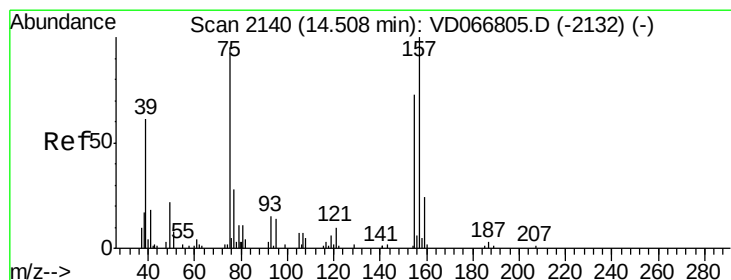
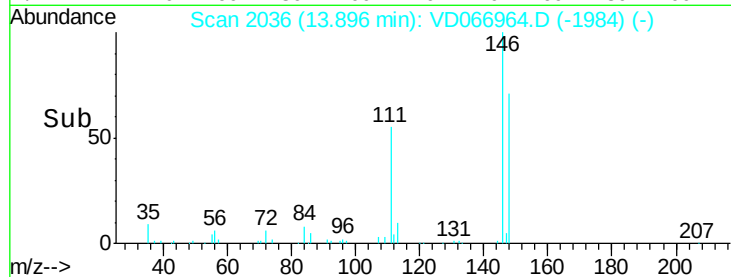
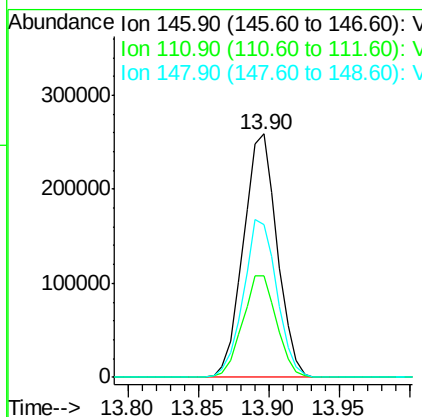
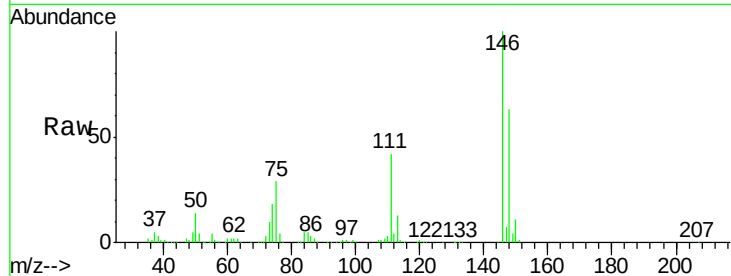
#91
 1,2-Dichlorobenzene
 Concen: 55.111 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.7
148	64.0	31.8	95.3

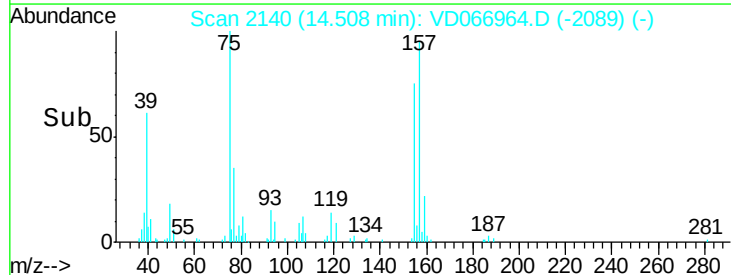
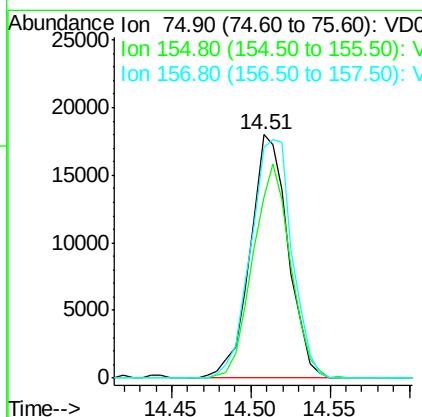
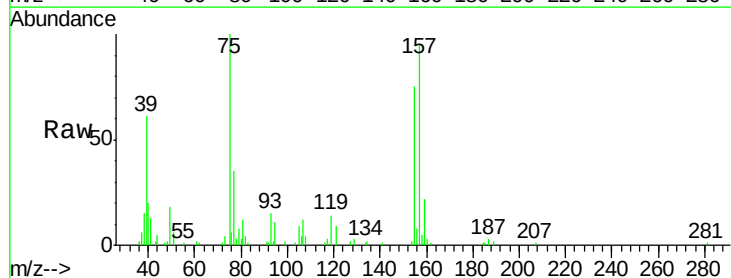
Manual Integrations
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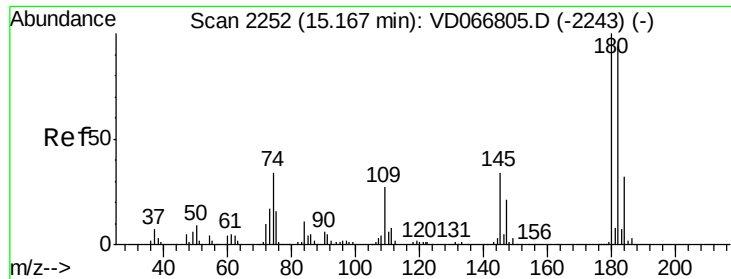
MMDadoda
 9/30/2020 1:22:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.019 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	40.4	121.2
157	106.9	51.3	153.9





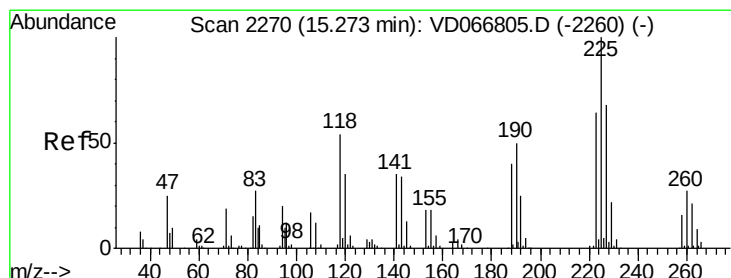
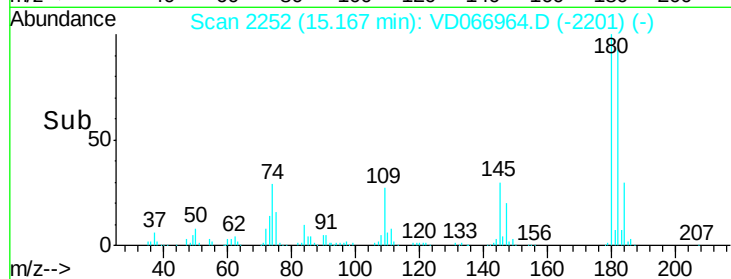
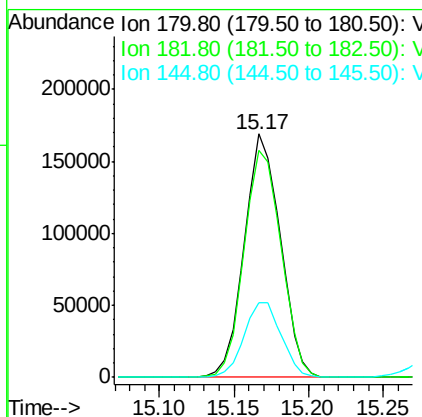
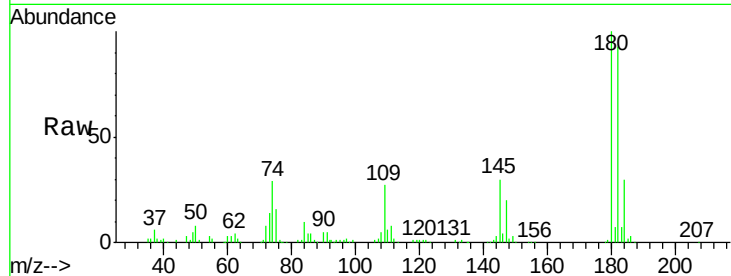
#93
 1,2,4-Trichlorobenzene
 Concen: 57.066 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283232		
182	95.9	48.8	146.3	
145	31.6	16.7	50.0	

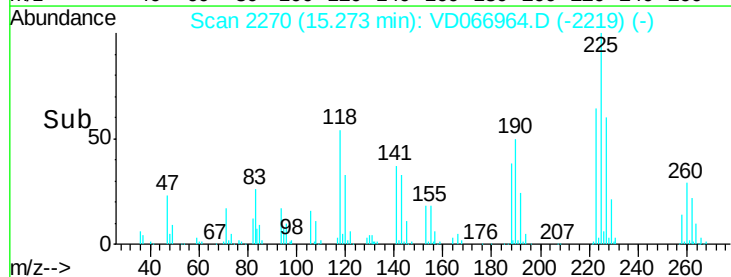
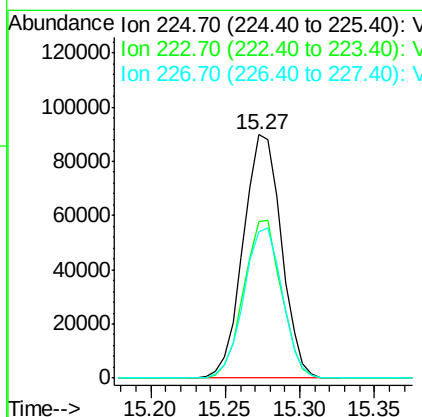
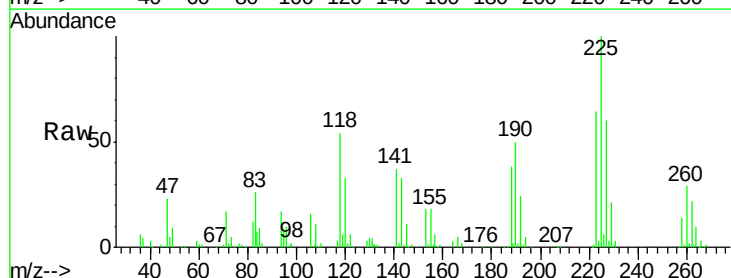
Manual Integrations
 APPROVED

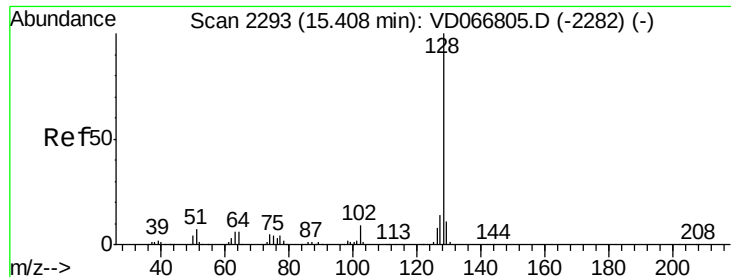
MMDadoda
 9/30/2020 1:22:19 PM



#94
 Hexachlorobutadiene
 Concen: 53.533 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066964.D
 Acq: 30 Sep 2020 04:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159218		
223	63.8	31.1	93.3	
227	61.8	31.7	95.1	





#95

Naphthalene

Concen: 62.019 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Instrument :

MSVOA_D

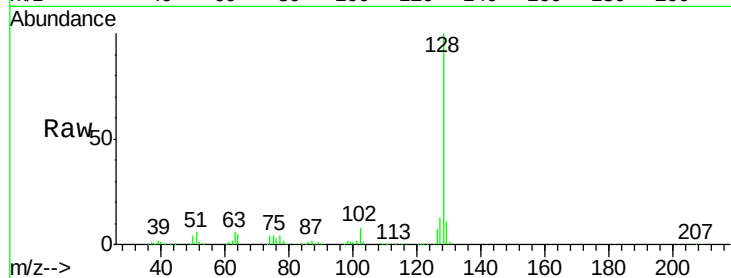
ClientSampleId :

VSTDCCC050EC

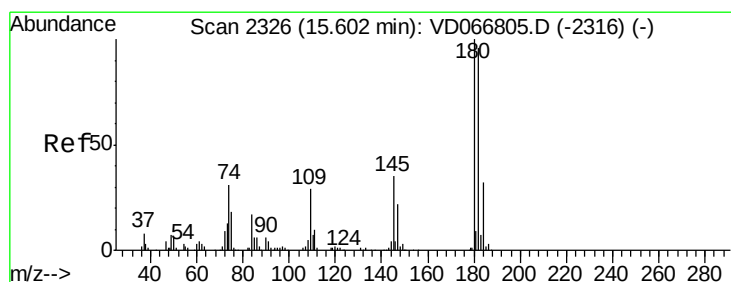
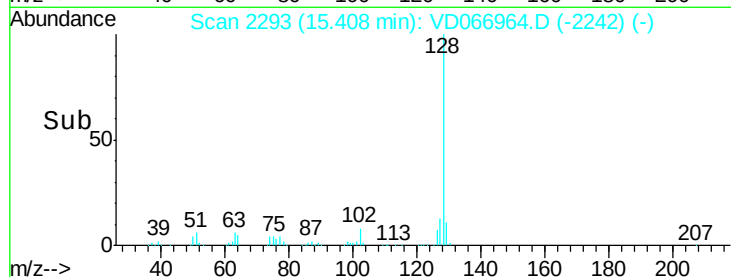
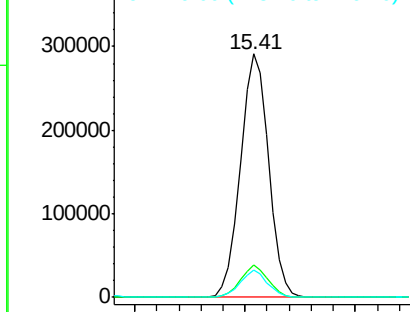
Tot Ion:	128	Resp:	522596
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/30/2020 1:22:19 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 58.684 ug/l

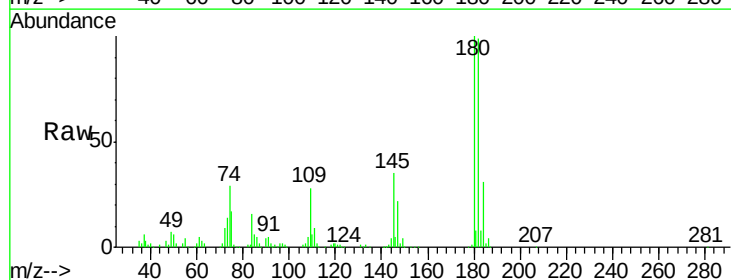
RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066964.D

Acq: 30 Sep 2020 04:13

Tgt Ion:	180	Resp:	251390
Ion Ratio		Lower	Upper
180	100		
182	96.2	46.8	140.3
145	34.3	17.0	51.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

