

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065699.D
 Acq On : 06 May 2020 16:05
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:01 AM

Quant Time: May 06 16:27:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:58:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	456577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	713295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	461420	100.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.24%	
35) Dibromofluoromethane	7.92	113	446371	99.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.28%	
50) Toluene-d8	10.34	98	1722572	100.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.10%	
62) 4-Bromofluorobenzene	12.64	95	594776	96.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	350522	96.124	ug/l	100
3) Chloromethane	2.21	50	443902	96.944	ug/l	99
4) Vinyl Chloride	2.35	62	456850	99.208	ug/l	98
5) Bromomethane	2.76	94	282932	95.910	ug/l	99
6) Chloroethane	2.91	64	290103	97.069	ug/l	93
7) Trichlorofluoromethane	3.27	101	712550	95.651	ug/l	100
8) Diethyl Ether	3.71	74	222525	94.684	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	427020	94.145	ug/l	99
10) Methyl Iodide	4.30	142	517264	129.376	ug/l	99
11) Tert butyl alcohol	5.23	59	165286	364.563	ug/l	96
12) 1,1-Dichloroethene	4.07	96	421266	94.500	ug/l	96
13) Acrolein	3.92	56	179869	460.100	ug/l	98
14) Allyl chloride	4.71	41	851211	96.107	ug/l	99
15) Acrylonitrile	5.43	53	520394	468.753	ug/l	99
16) Acetone	4.16	43	521048	521.492	ug/l	98
17) Carbon Disulfide	4.41	76	1412051	97.006	ug/l	98
18) Methyl Acetate	4.72	43	231602	91.716	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1050368	97.512	ug/l	98
20) Methylene Chloride	4.97	84	462760	90.136	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	481432	94.053	ug/l	95
22) Diisopropyl ether	6.37	45	1618520	98.738	ug/l	99
23) Vinyl Acetate	6.31	43	4918781	498.389	ug/l	100
24) 1,1-Dichloroethane	6.27	63	869030	96.510	ug/l	99
25) 2-Butanone	7.21	43	733292	493.427	ug/l	98
26) 2,2-Dichloropropane	7.21	77	767603	93.818	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	536184	97.458	ug/l	100
28) Bromochloromethane	7.55	49	399381	109.616	ug/l	100
29) Tetrahydrofuran	7.57	42	458748	476.857	ug/l	98
30) Chloroform	7.71	83	842554	97.371	ug/l	99
31) Cyclohexane	7.98	56	834522	86.713	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	760815	94.193	ug/l	99
36) 1,1-Dichloropropene	8.11	75	679082	93.119	ug/l	98
37) Ethyl Acetate	7.30	43	328990	92.414	ug/l	99
38) Carbon Tetrachloride	8.10	117	681260	94.700	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	856208	93.768	ug/l	96
40) Benzene	8.36	78	1904131	96.464	ug/l	99
41) Methacrylonitrile	7.53	41	184504m	66.392	ug/l	
42) 1,2-Dichloroethane	8.43	62	548566	96.416	ug/l	100
43) Isopropyl Acetate	8.46	43	662491	93.935	ug/l	99
44) Trichloroethene	9.11	130	529035	97.578	ug/l	95
45) 1,2-Dichloropropane	9.39	63	492442	96.447	ug/l	97
46) Dibromomethane	9.48	93	247019	96.242	ug/l	99
47) Bromodichloromethane	9.67	83	663289	96.917	ug/l	98
48) Methyl methacrylate	9.46	41	335874	95.753	ug/l	100
49) 1,4-Dioxane	9.47	88	60181	1892.746	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1607390	473.546	ug/l	100
52) Toluene	10.41	92	1205386	96.705	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	680483	98.588	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	796373	97.672	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	335635	97.361	ug/l	97
56) Ethyl methacrylate	10.67	69	483545	96.801	ug/l	99
57) 1,3-Dichloropropane	10.95	76	603583	97.403	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	1168724	520.036	ug/l	100
59) 2-Hexanone	10.99	43	1116128	477.795	ug/l	100
60) Dibromochloromethane	11.14	129	449940	97.011	ug/l	100
61) 1,2-Dibromoethane	11.25	107	338593	97.489	ug/l	100
64) Tetrachloroethene	10.88	164	432718	93.000	ug/l	99
65) Chlorobenzene	11.67	112	1258199	96.751	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	468303	96.555	ug/l	99
67) Ethyl Benzene	11.75	91	2328963	95.699	ug/l	100
68) m/p-Xylenes	11.86	106	1731766	190.218	ug/l	100
69) o-Xylene	12.18	106	813652	96.139	ug/l	100
70) Styrene	12.20	104	1408884	97.087	ug/l	99
71) Bromoform	12.37	173	265497	96.964	ug/l #	99
73) Isopropylbenzene	12.48	105	2208920	92.655	ug/l	100
74) N-amyl acetate	12.30	43	631012	91.965	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	371741	92.300	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	257312m	47.138	ug/l	
77) Bromobenzene	12.77	156	512387	94.081	ug/l	99
78) n-propylbenzene	12.83	91	2637576	94.327	ug/l	99
79) 2-Chlorotoluene	12.91	91	1491562	94.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1844045	94.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	138624	91.689	ug/l	99
82) 4-Chlorotoluene	13.01	91	1538626	92.825	ug/l	99
83) tert-Butylbenzene	13.23	119	1553836	93.447	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1825127	93.846	ug/l	99
85) sec-Butylbenzene	13.41	105	2166373	92.780	ug/l	100
86) p-Isopropyltoluene	13.53	119	1989999	93.603	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	952291	92.576	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	946789	93.409	ug/l	99
89) n-Butylbenzene	13.85	91	1954955	95.265	ug/l	99
90) Hexachloroethane	14.12	117	401480	95.520	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	839333	95.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	63616	94.988	ug/l	96

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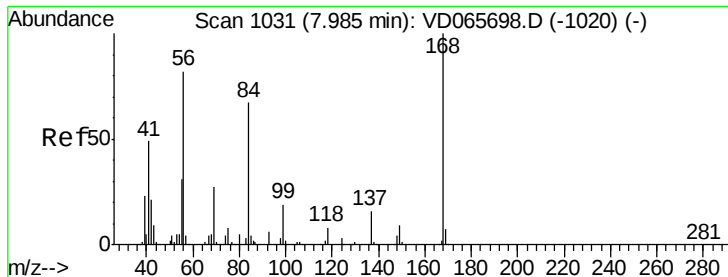
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	623894	93.615	ug/l	98
94) Hexachlorobutadiene	15.28	225	359434	93.641	ug/l	99
95) Naphthalene	15.41	128	1102399	94.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	538961	95.660	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 456577

Ion Ratio Lower Upper

168 100

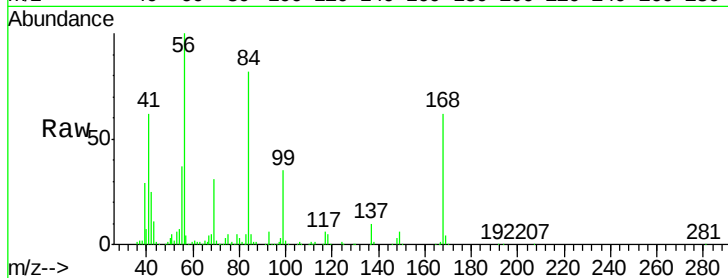
99 55.9 44.2 66.4

Manual Integrations

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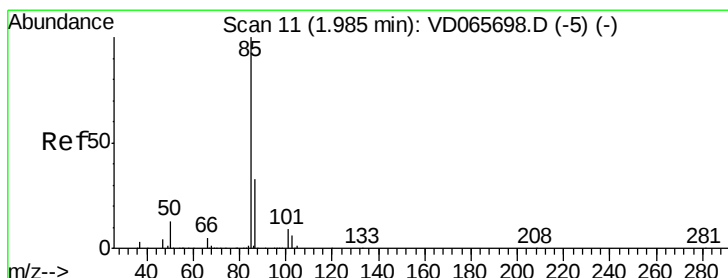
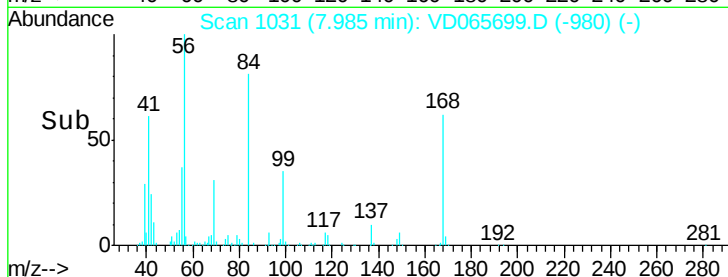
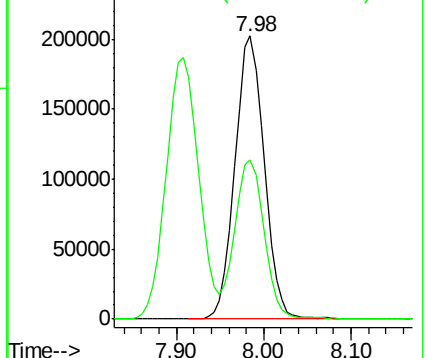
MMDadoda

5/7/2020 10:36:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 96.124 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065699.D

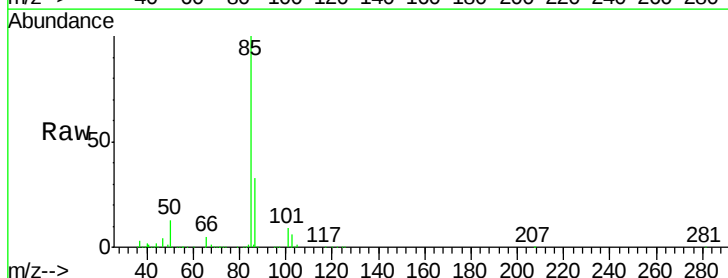
Acq: 06 May 2020 16:05

Tgt Ion: 85 Resp: 350522

Ion Ratio Lower Upper

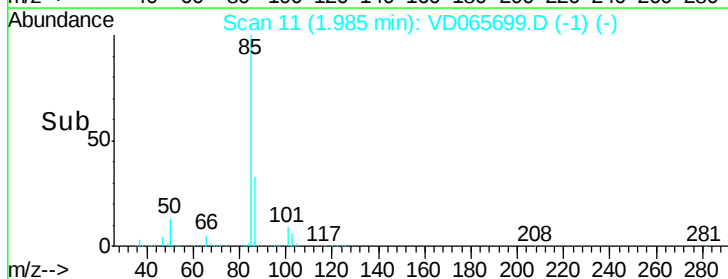
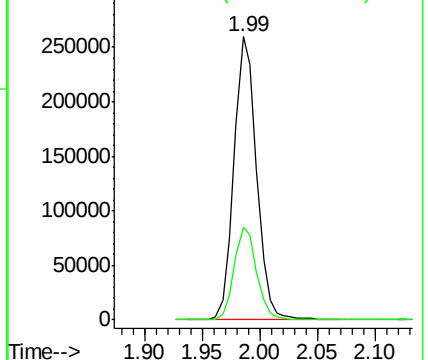
85 100

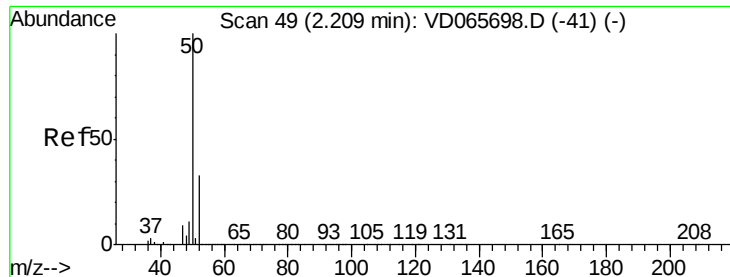
87 32.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 96.944 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 443902

Ion Ratio Lower Upper

50 100

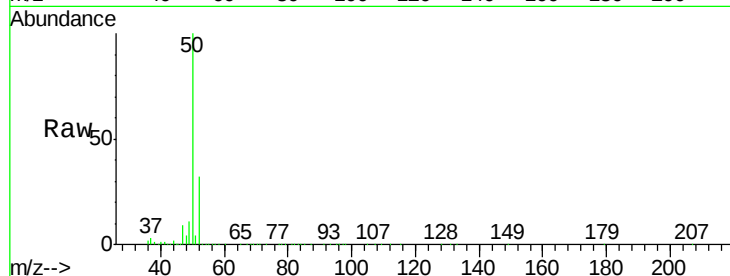
52 32.1 26.1 39.1

Manual Integrations

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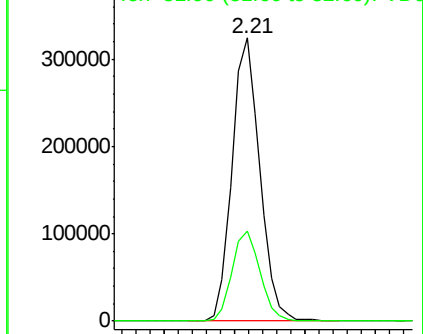
MMDadoda

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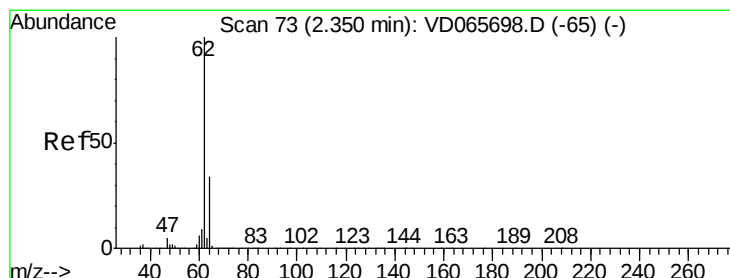
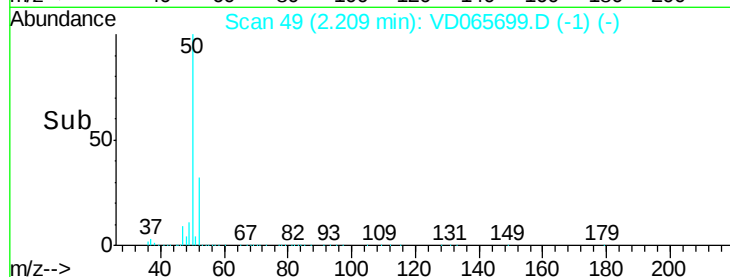


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 99.208 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065699.D

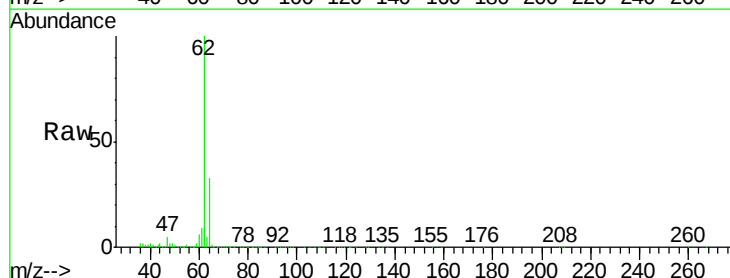
Acq: 06 May 2020 16:05

Tgt Ion: 62 Resp: 456850

Ion Ratio Lower Upper

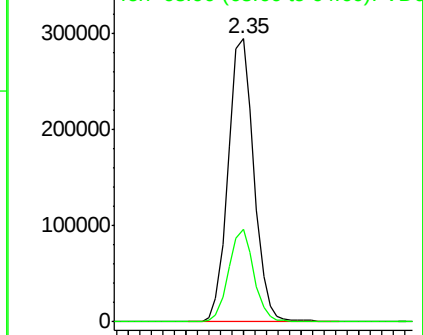
62 100

64 32.7 27.2 40.8

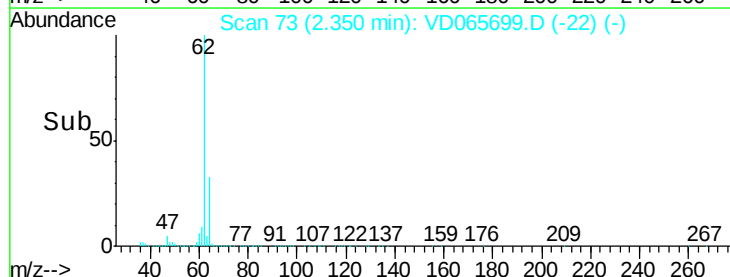


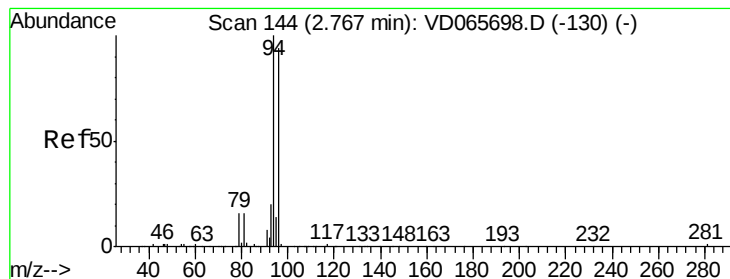
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 95.910 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 282932

Ion Ratio Lower Upper

94 100

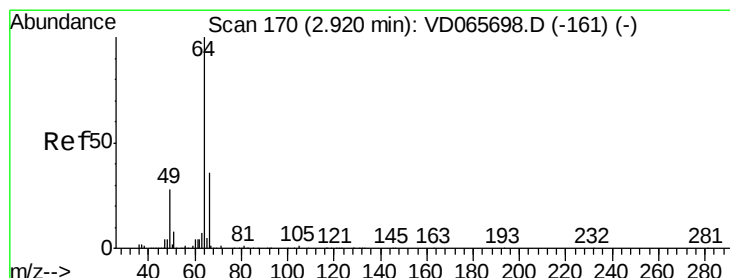
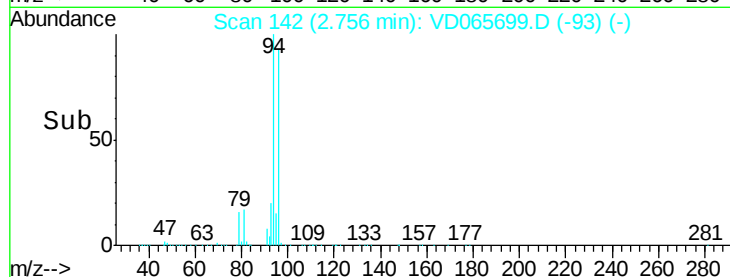
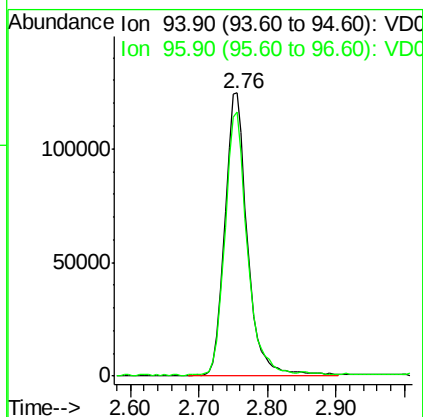
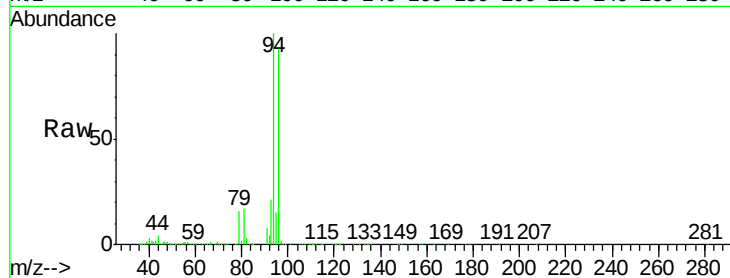
96 92.8 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 97.069 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065699.D

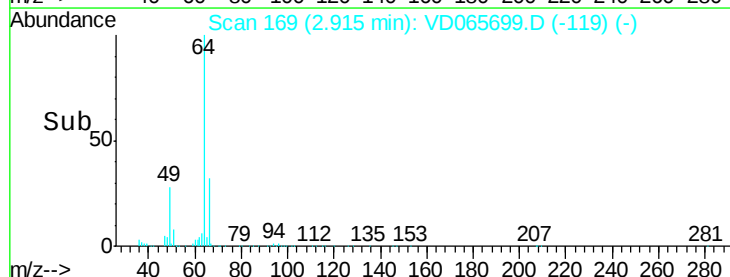
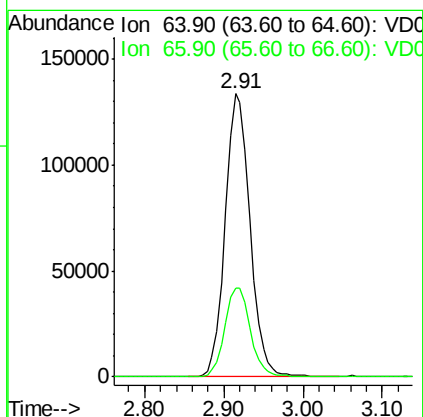
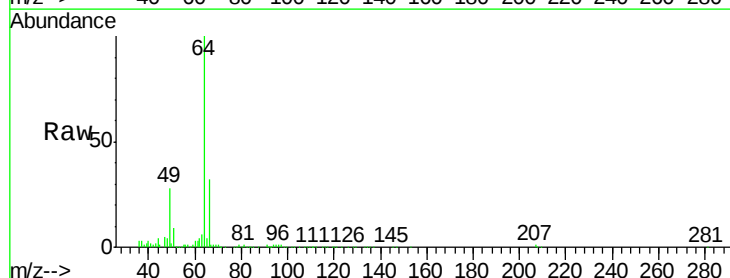
Acq: 06 May 2020 16:05

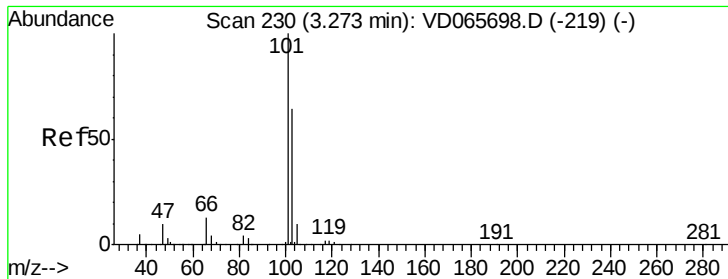
Tgt Ion: 64 Resp: 290103

Ion Ratio Lower Upper

64 100

66 31.4 28.5 42.7





#7

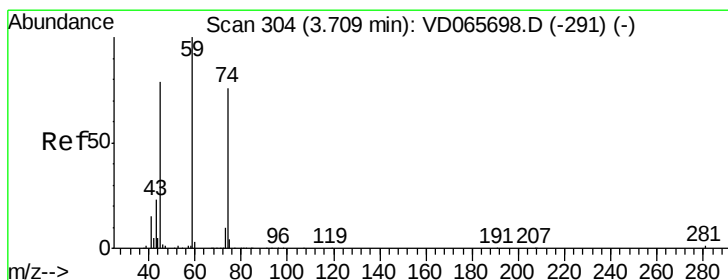
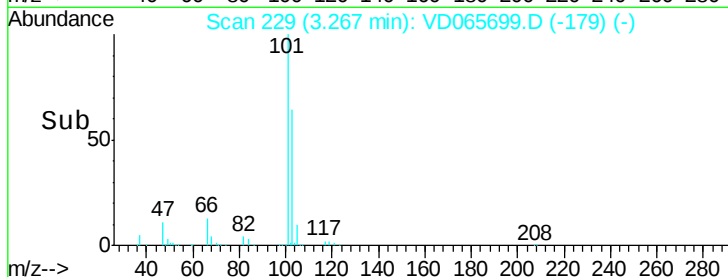
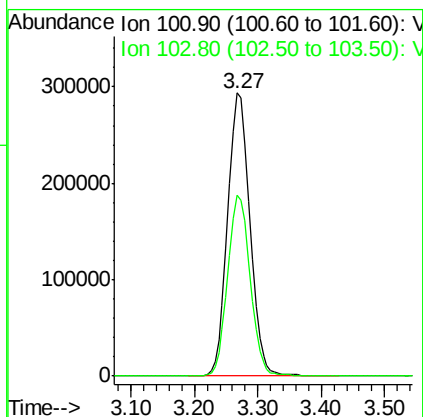
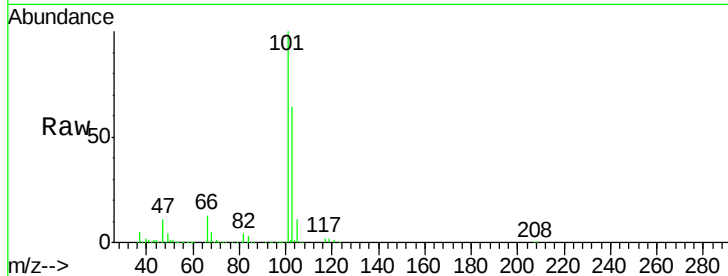
Trichlorofluoromethane
Concen: 95.651 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	712550		
103	63.8	51.1	76.7	

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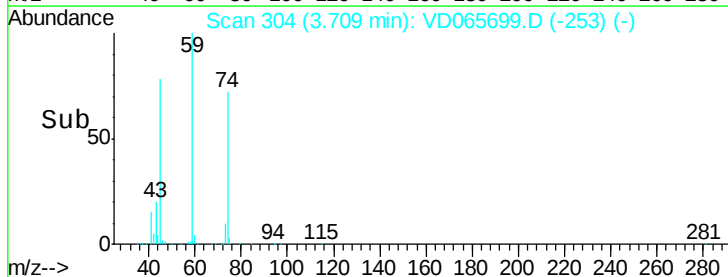
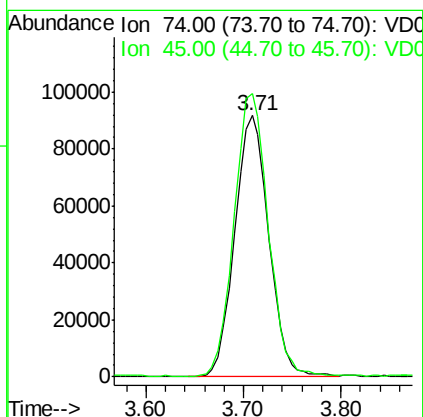
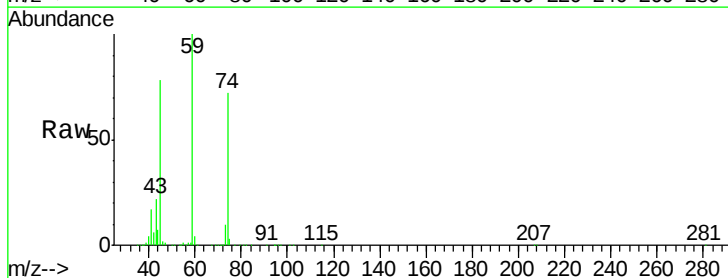
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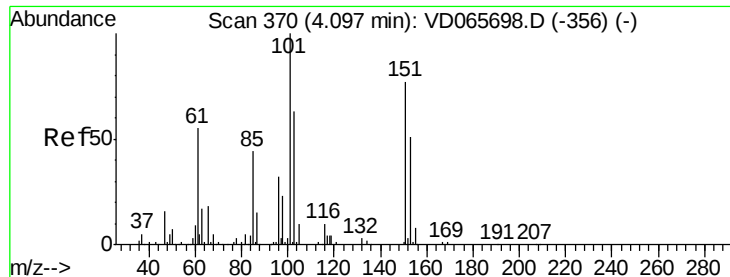


#8

Diethyl Ether
Concen: 94.684 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	222525		
45	108.2	55.0	165.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.145 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

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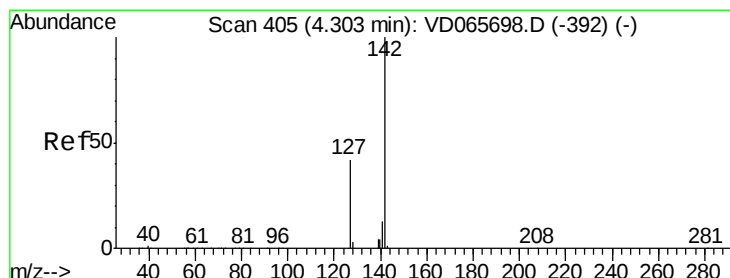
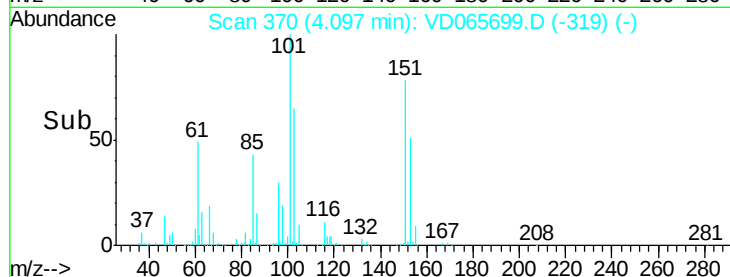
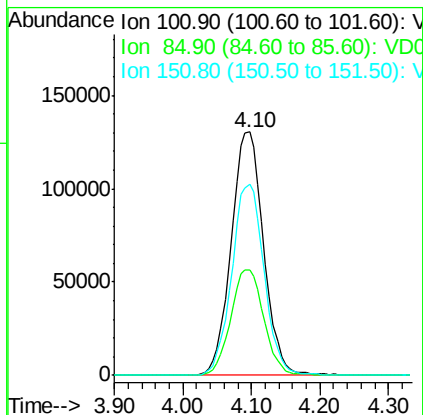
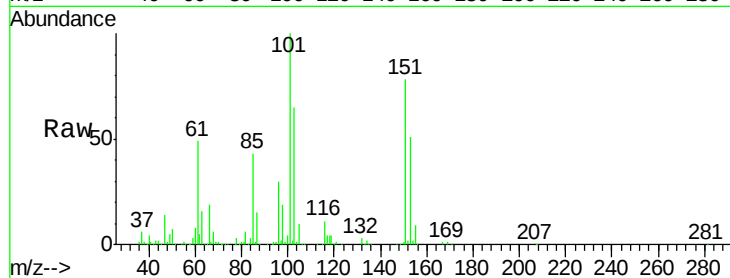
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	427020
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.4	51.6
151	79.0	63.0	94.4

Manual Integrations
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5/7/2020 10:36:01 AM



#10

Methyl Iodide

Concen: 129.376 ug/l

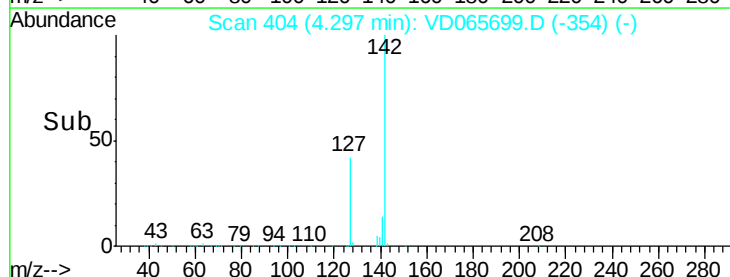
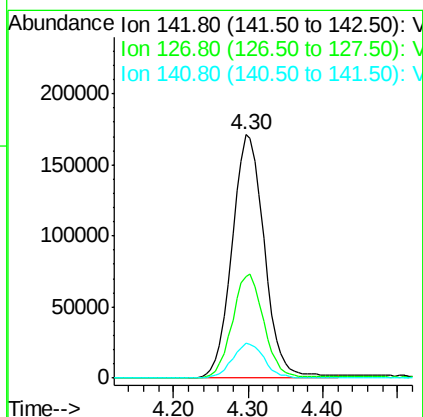
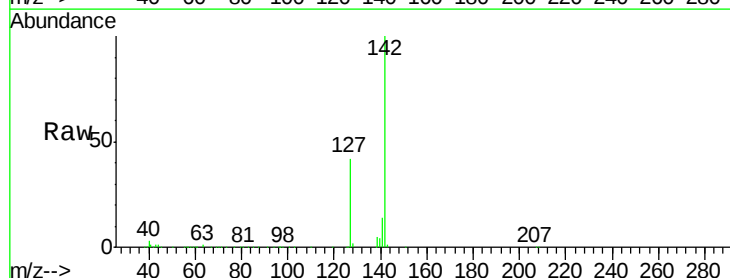
RT: 4.30 min Scan# 404

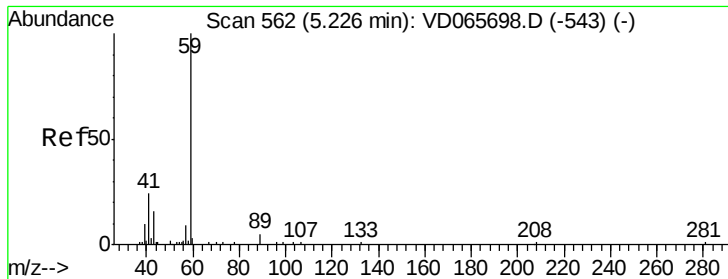
Delta R.T. -0.01 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion:	142	Resp:	517264
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.5	51.7
141	14.1	11.6	17.4





#11

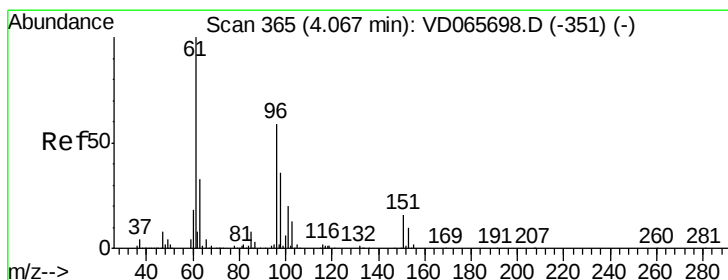
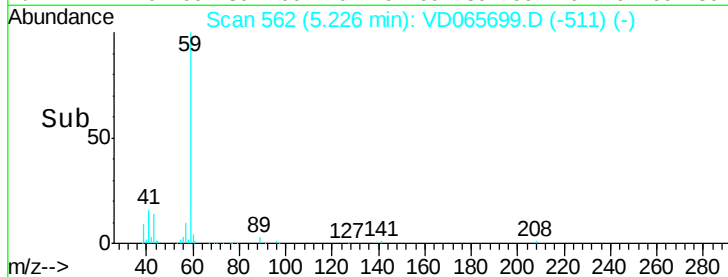
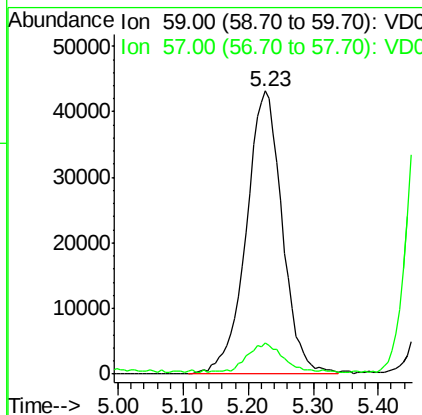
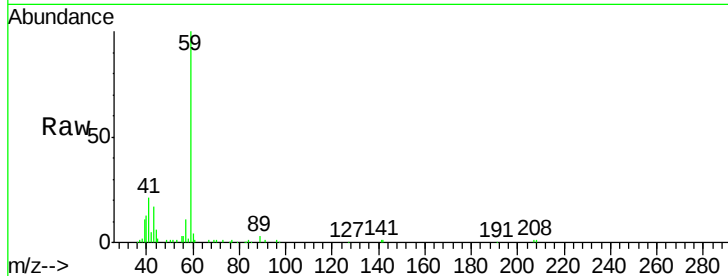
Tert butyl alcohol
Concen: 364.563 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	165286		
57	9.5		8.7	13.1

Manual Integrations
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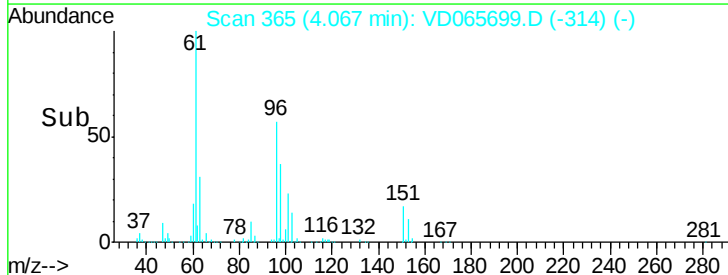
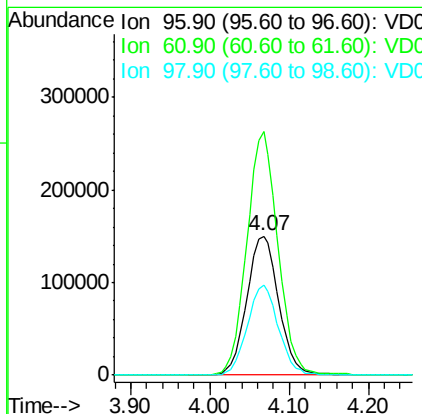
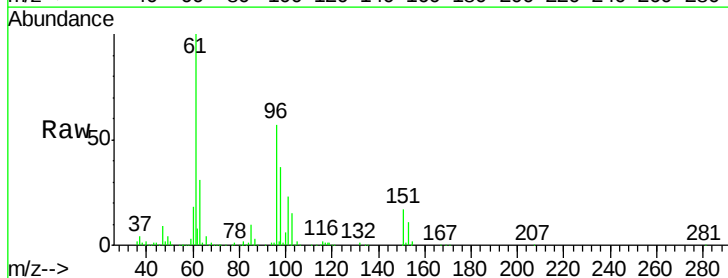
MMDadoda
5/7/2020 10:36:01 AM

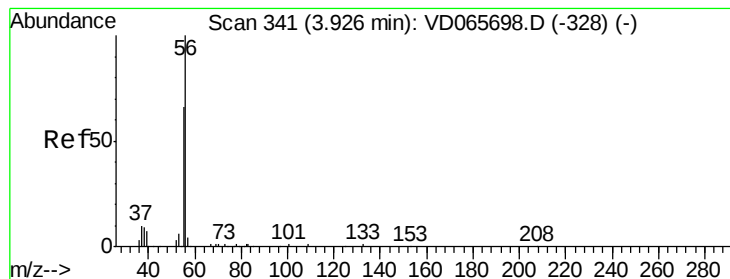


#12

1,1-Dichloroethene
Concen: 94.500 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	421266		
61	175.0		136.0	204.0
98	64.8		49.7	74.5





#13

Acrolein

Concen: 460.100 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 179869

Ion Ratio Lower Upper

56 100

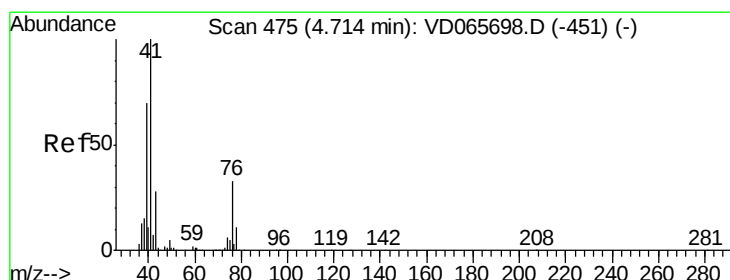
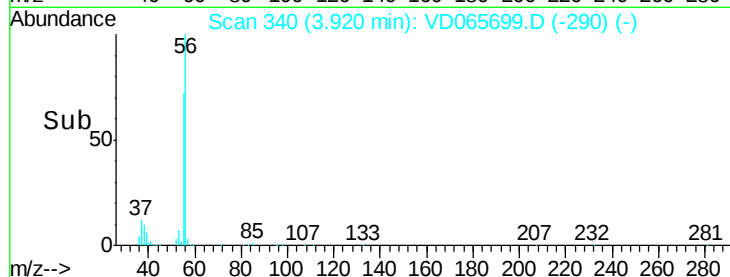
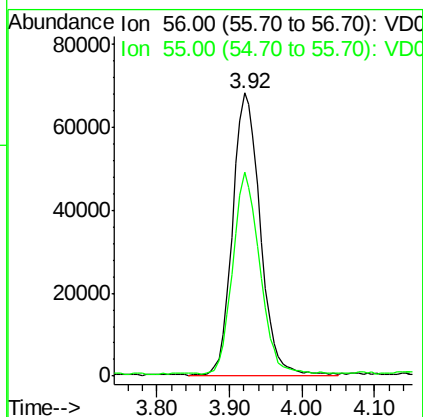
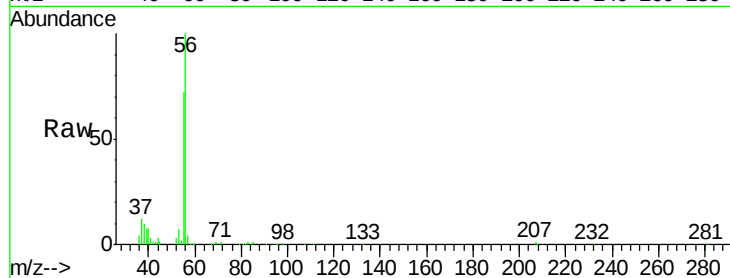
55 69.6 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 96.107 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

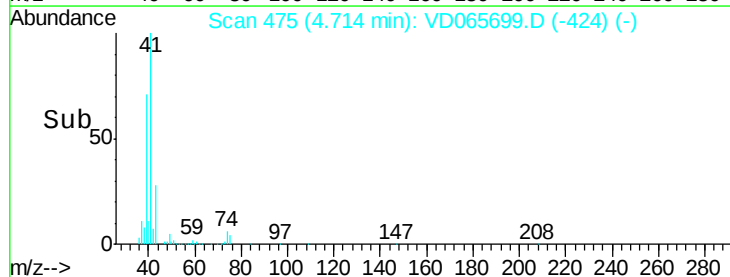
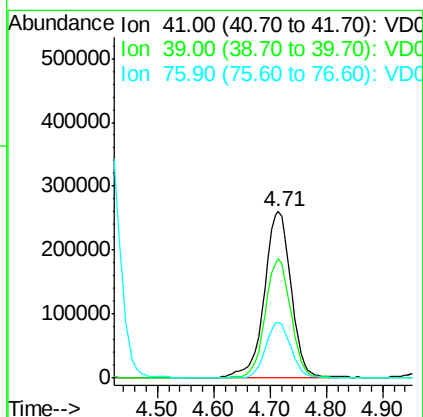
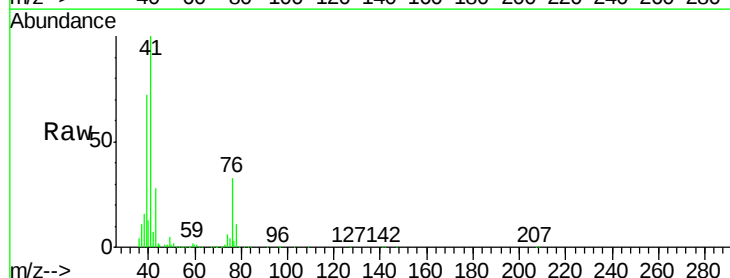
Tgt Ion: 41 Resp: 851211

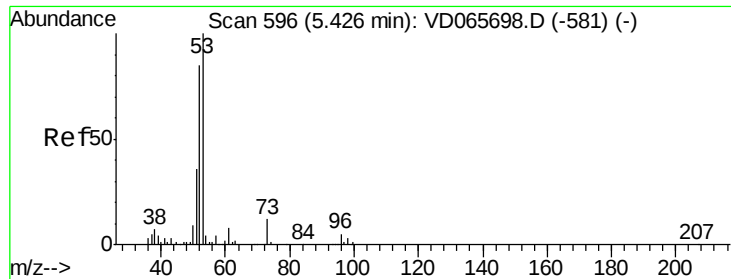
Ion Ratio Lower Upper

41 100

39 68.9 55.6 83.4

76 31.6 25.6 38.4





#15

Acrylonitrile

Concen: 468.753 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

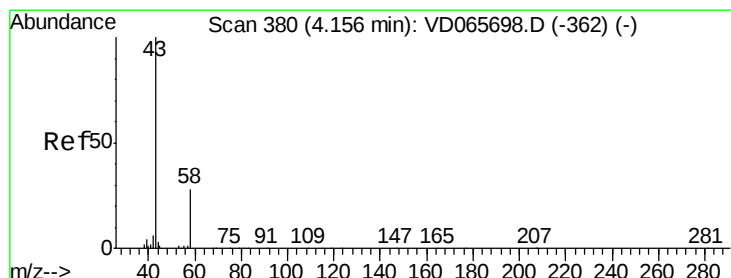
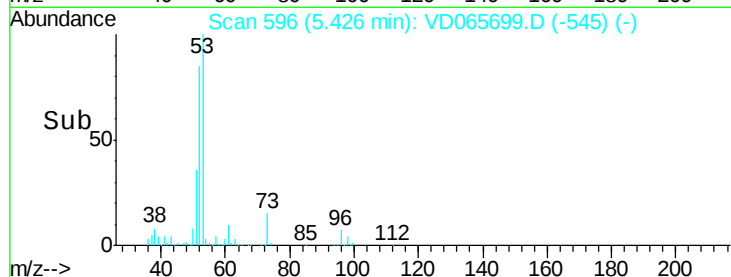
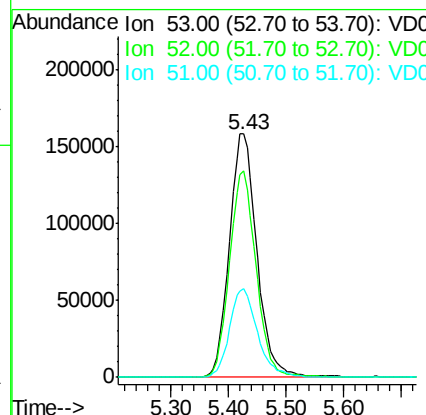
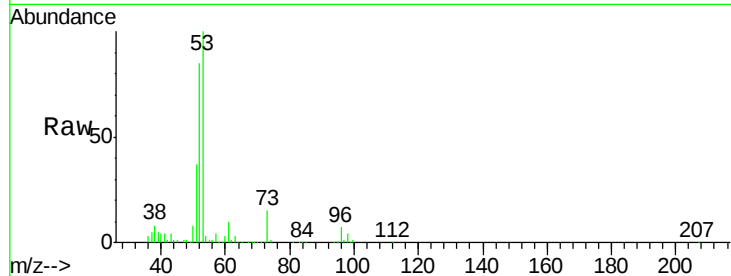
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	520394
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	37.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 521.492 ug/l

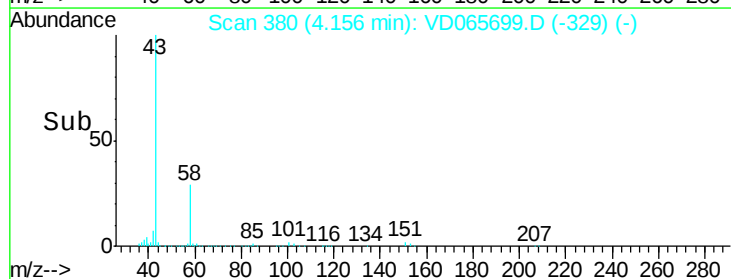
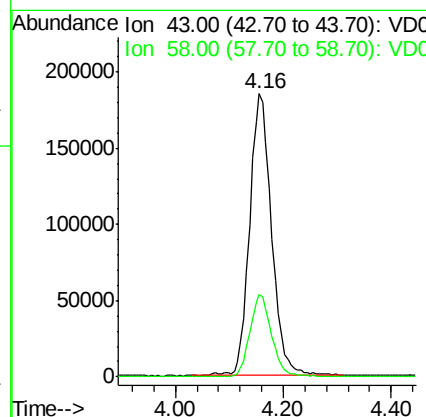
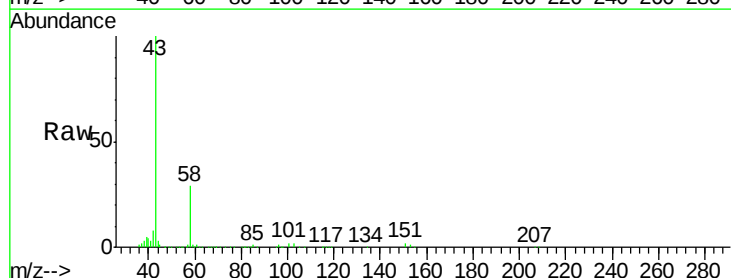
RT: 4.16 min Scan# 380

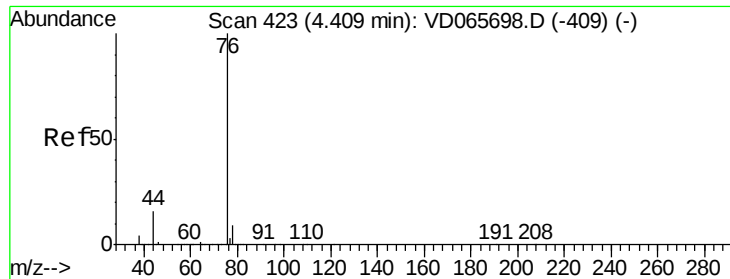
Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion:	43	Resp:	521048
Ion Ratio	Lower	Upper	
43	100		
58	28.9	22.5	33.7





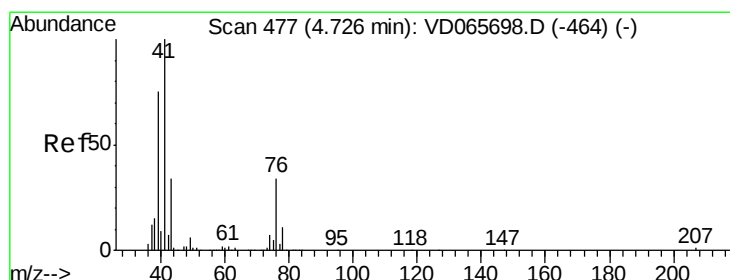
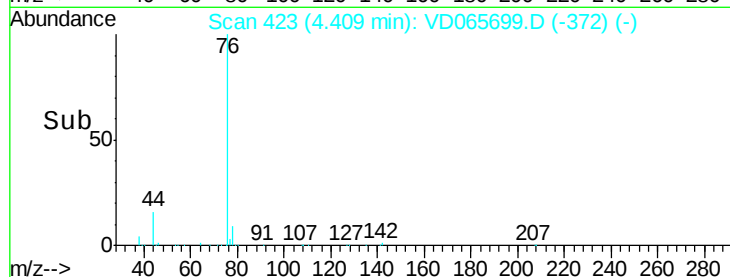
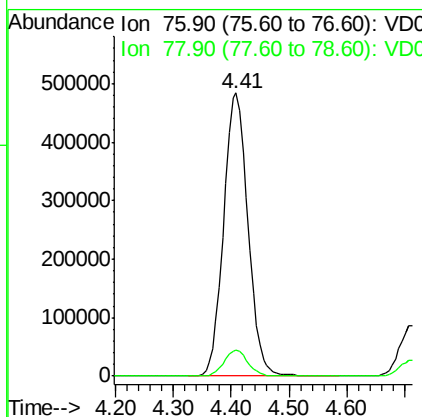
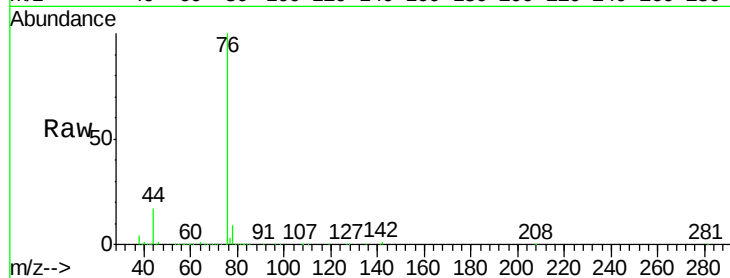
#17
Carbon Disulfide
Concen: 97.006 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1412051
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2

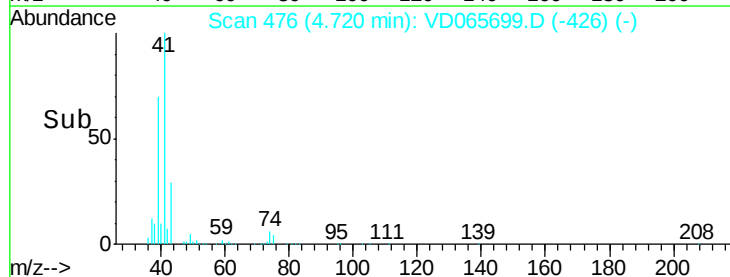
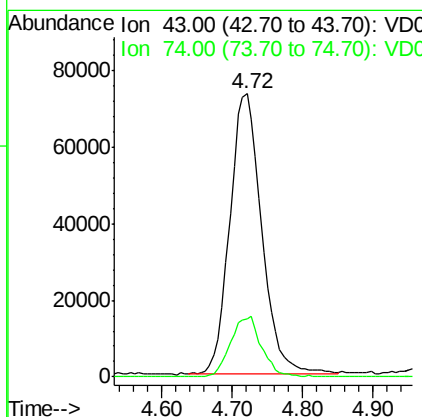
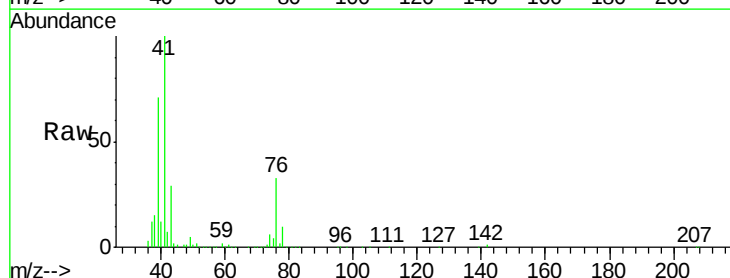
Manual Integrations
APPROVED

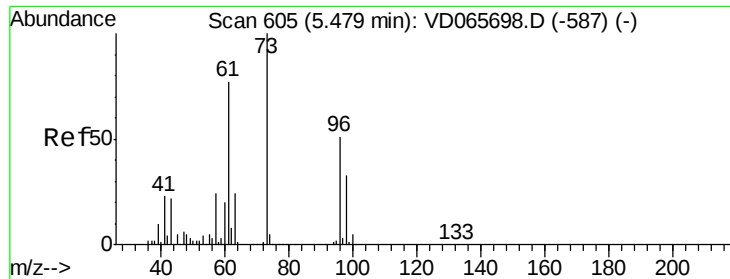
MMDadoda
5/7/2020 10:36:01 AM



#18
Methyl Acetate
Concen: 91.716 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion: 43 Resp: 231602
Ion Ratio Lower Upper
43 100
74 20.8 17.1 25.7





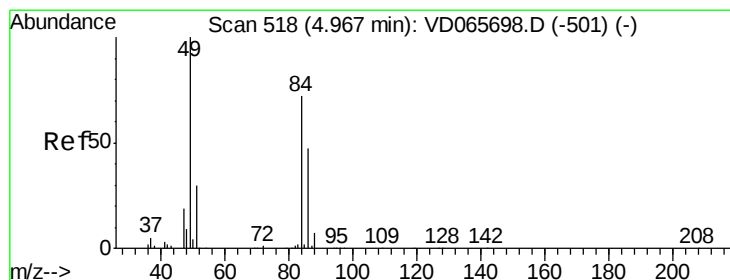
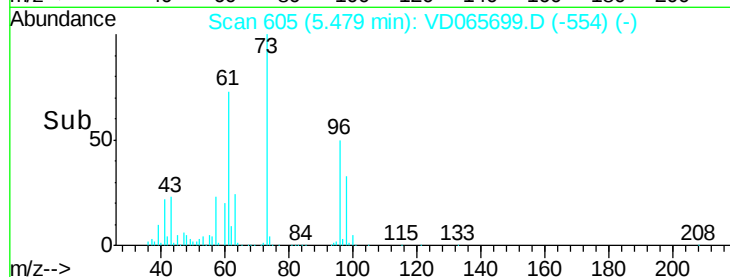
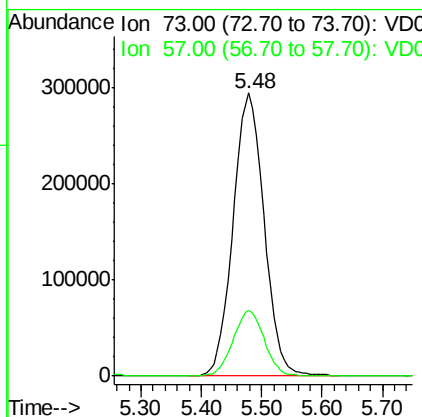
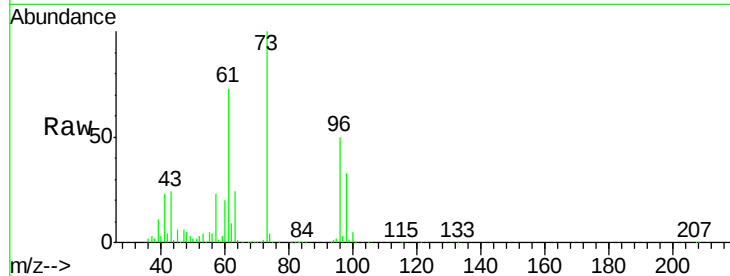
#19
Methvl tert-butvl Ether
Concen: 97.512 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1050368
Ion Ratio Lower Upper
73 100
57 23.1 19.4 29.0

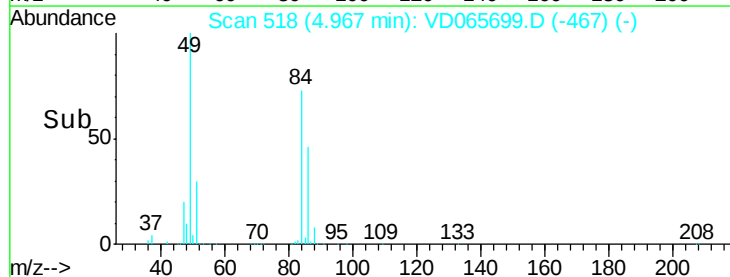
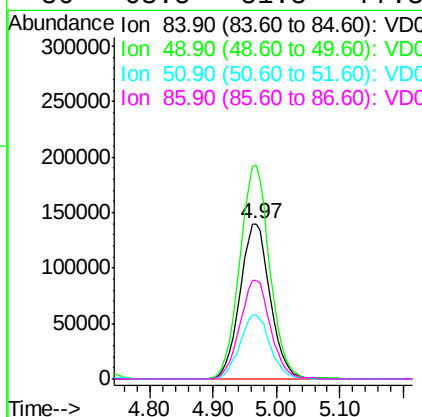
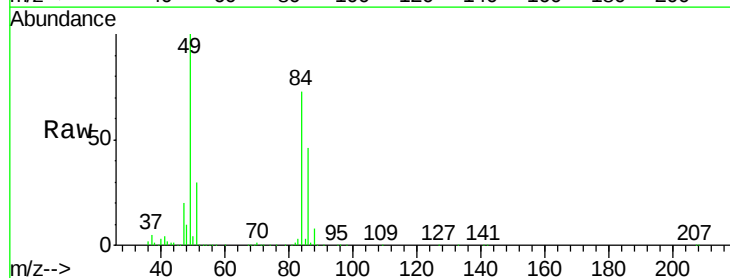
Manual Integrations
APPROVED

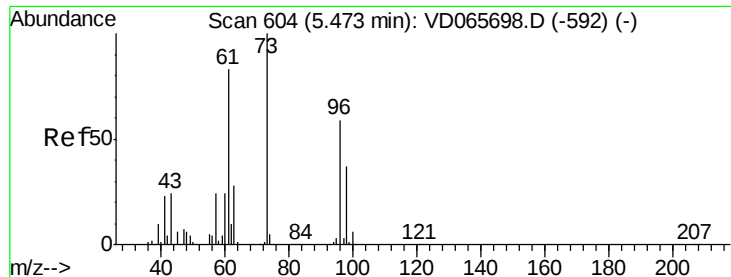
MMDadoda
5/7/2020 10:36:01 AM



#20
Methylene Chloride
Concen: 90.136 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion: 84 Resp: 462760
Ion Ratio Lower Upper
84 100
49 137.4 110.4 165.6
51 41.0 33.4 50.2
86 63.5 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 94.053 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 481432

Ion Ratio Lower Upper

96 100

61 146.9 113.0 169.4

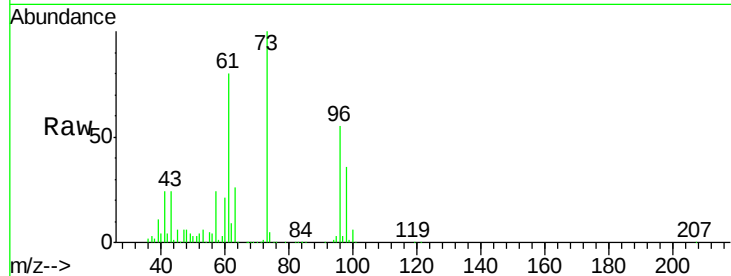
98 65.6 49.5 74.3

Manual Integrations

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MMDadoda

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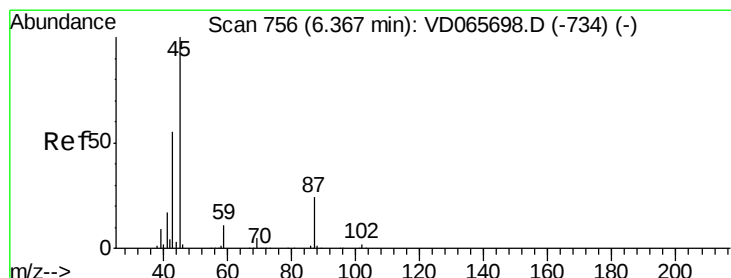
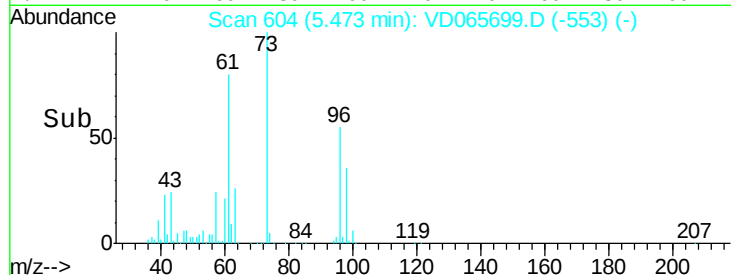
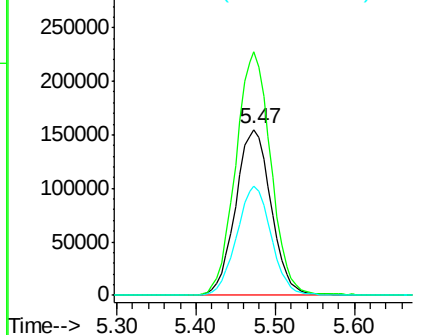


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 98.738 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion: 45 Resp: 1618520

Ion Ratio Lower Upper

45 100

43 54.8 44.2 66.4

87 23.4 19.0 28.4

59 10.6 8.6 13.0

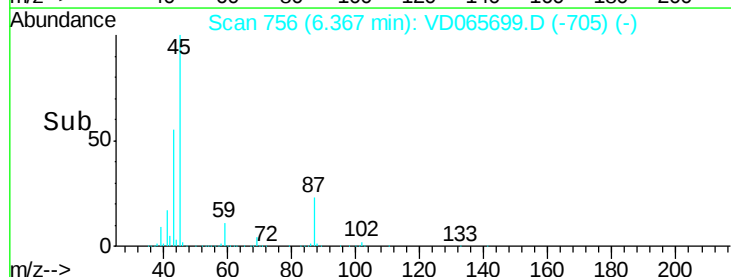
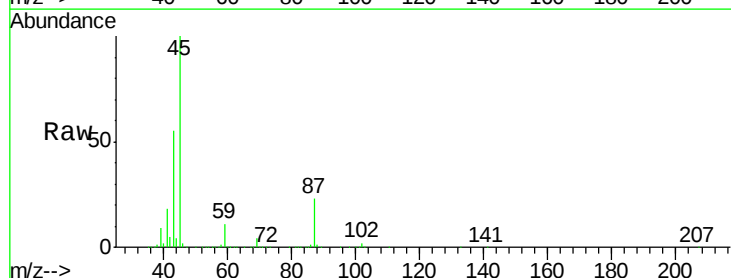
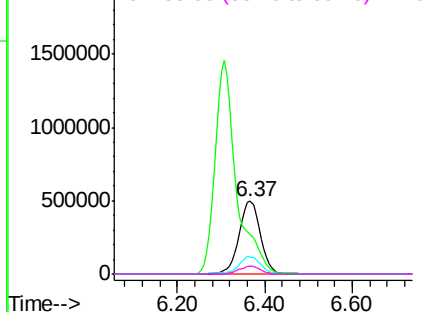
Abundance

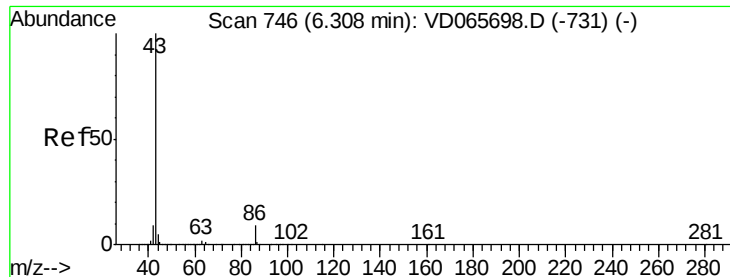
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 498.389 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4918781

Ion Ratio Lower Upper

43 100

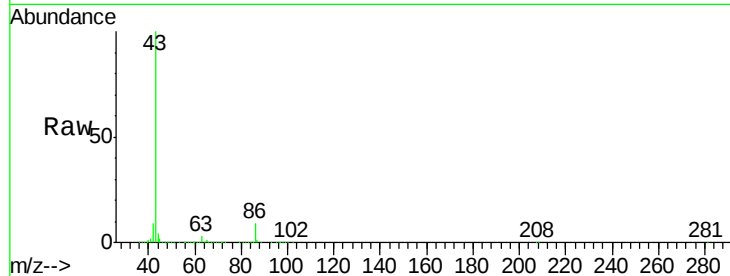
86 9.4 7.4 11.0

Manual Integrations

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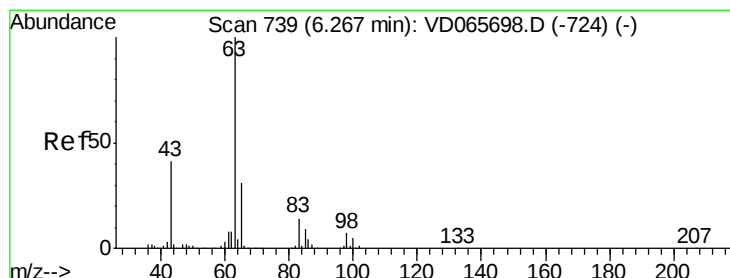
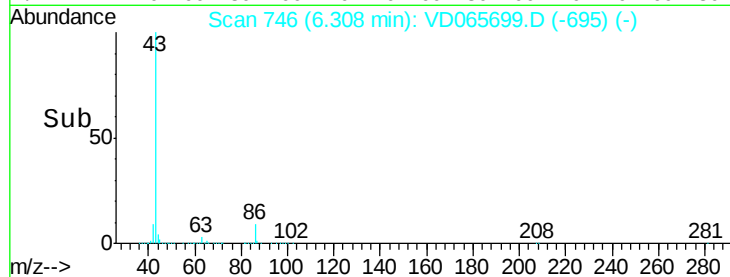
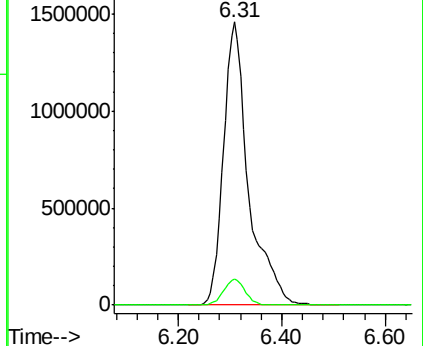
MMDadoda

5/7/2020 10:36:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 96.510 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

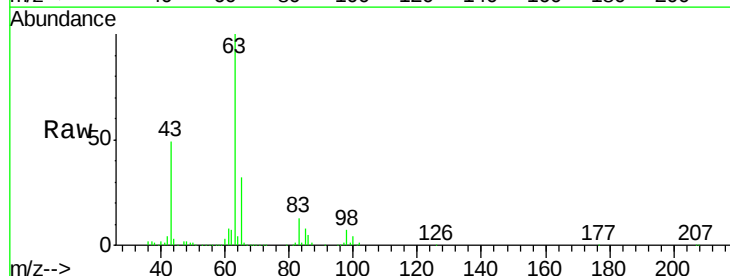
Tgt Ion: 63 Resp: 869030

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

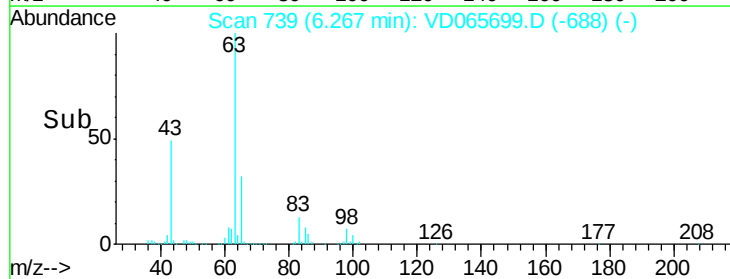
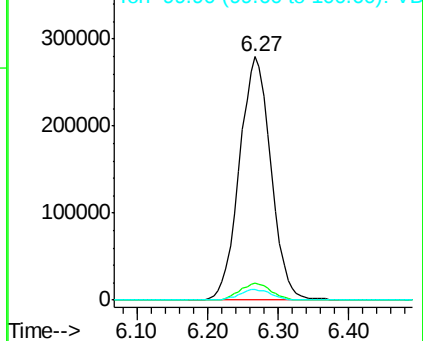
100 4.5 2.3 6.9

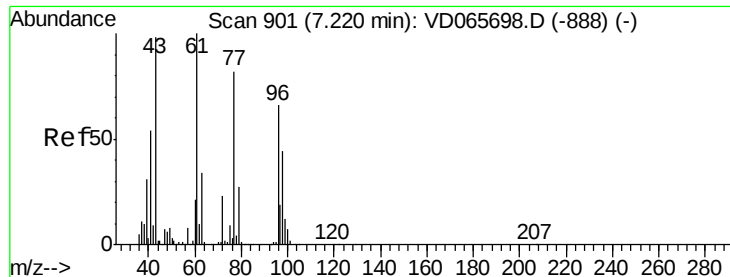


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 493.427 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 733292

Ion Ratio Lower Upper

43 100

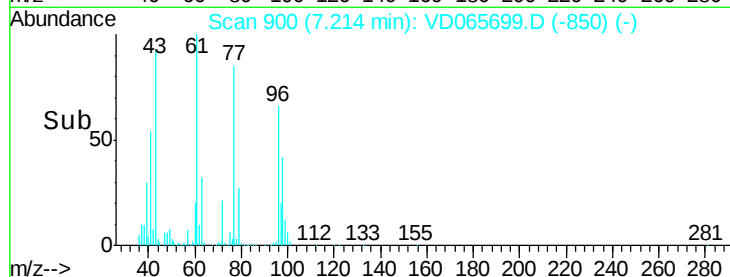
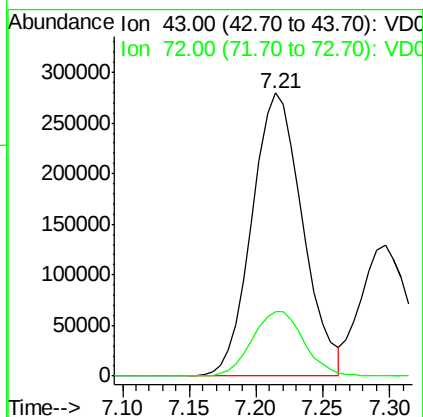
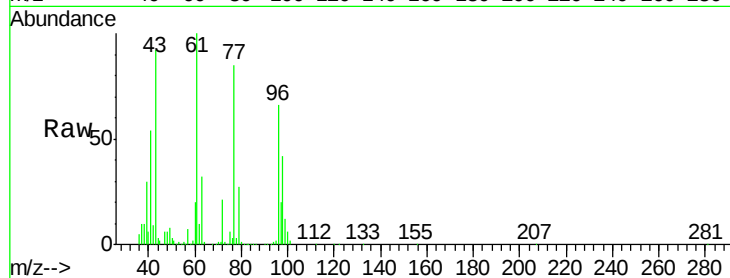
72 23.1 19.2 28.8

Manual Integrations

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5/7/2020 10:36:01 AM



#26

2,2-Dichloropropane

Concen: 93.818 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065699.D

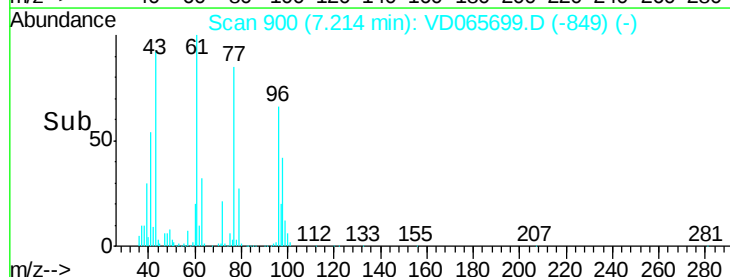
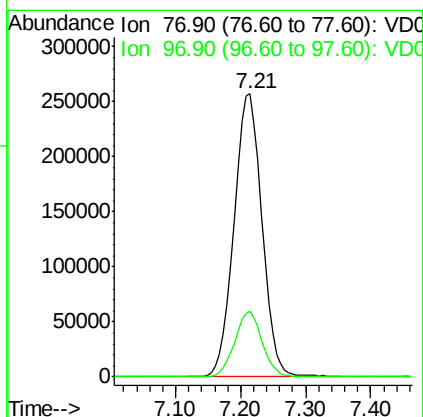
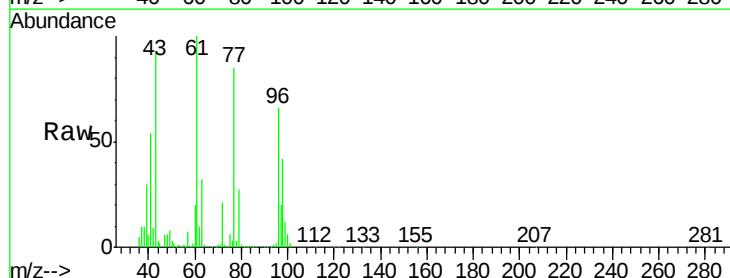
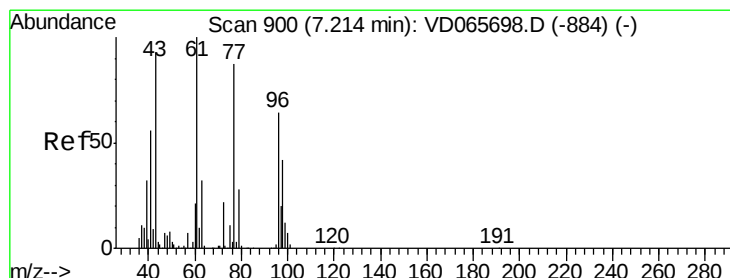
Acq: 06 May 2020 16:05

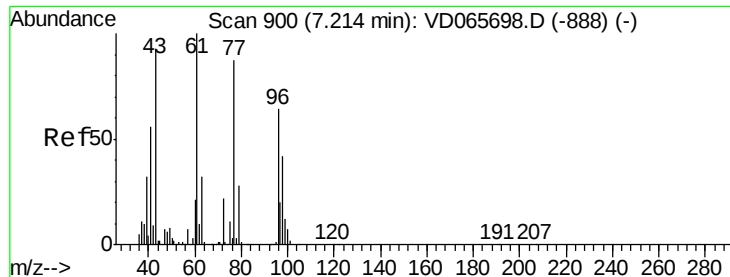
Tgt Ion: 77 Resp: 767603

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9





#27

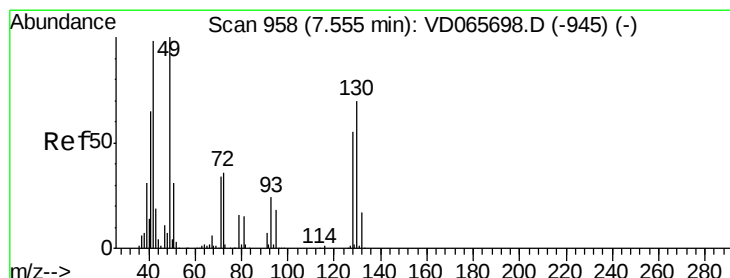
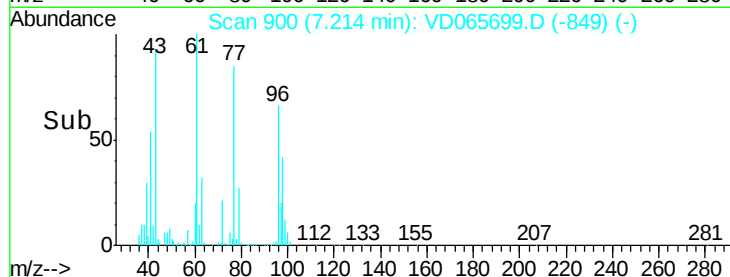
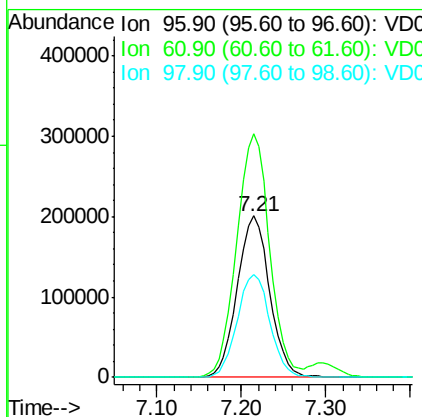
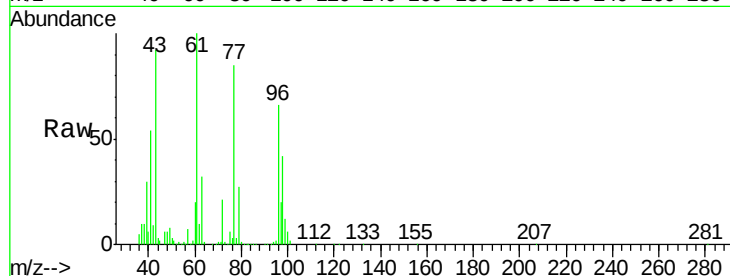
cis-1,2-Dichloroethene
Concen: 97.458 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	306.6
98	64.6	0.0	129.4

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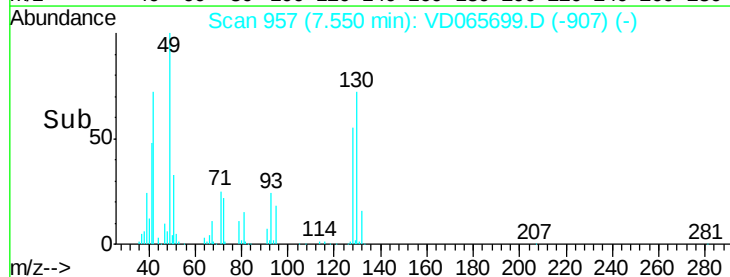
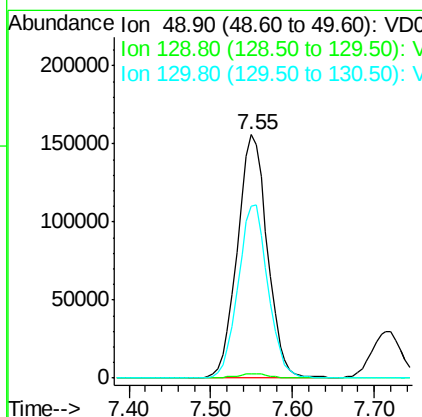
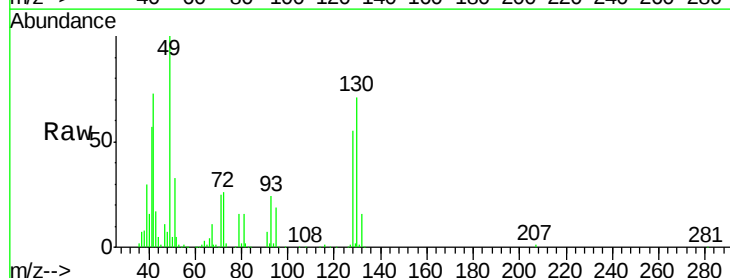
MMDadoda
5/7/2020 10:36:01 AM

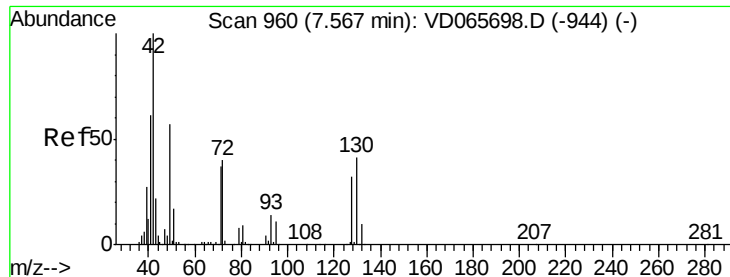


#28

Bromochloromethane
Concen: 109.616 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	70.6	56.4	84.6





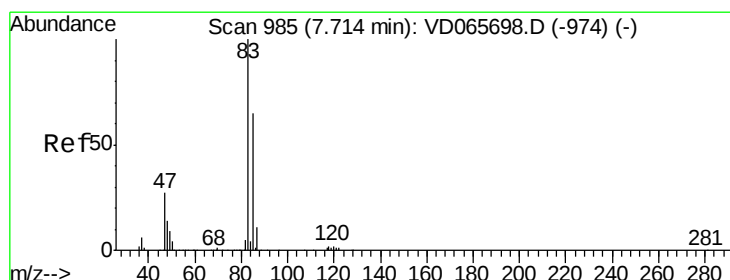
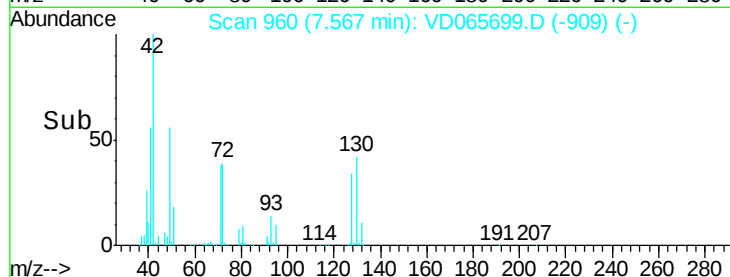
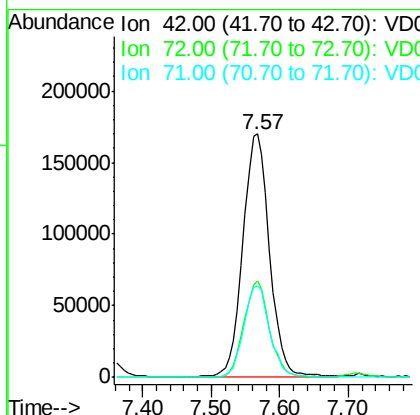
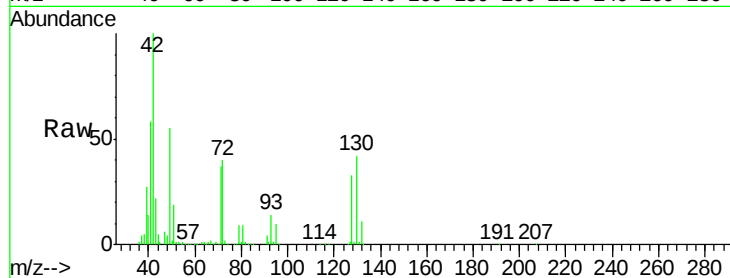
#29
Tetrahydrofuran
Concen: 476.857 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	30.4	45.6
71	36.9	28.0	42.0

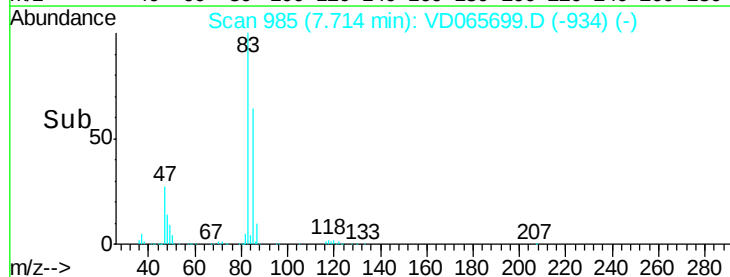
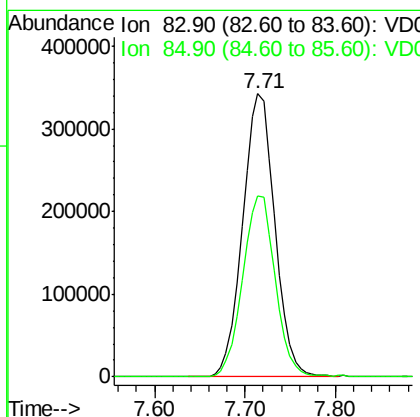
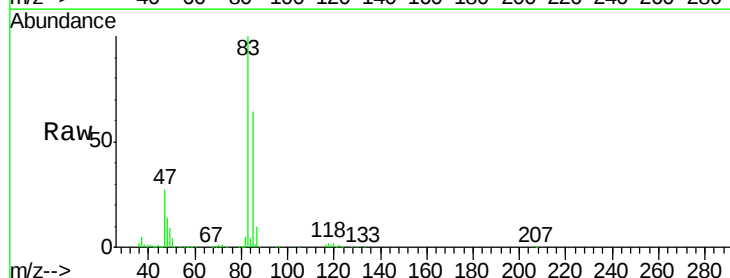
Manual Integrations
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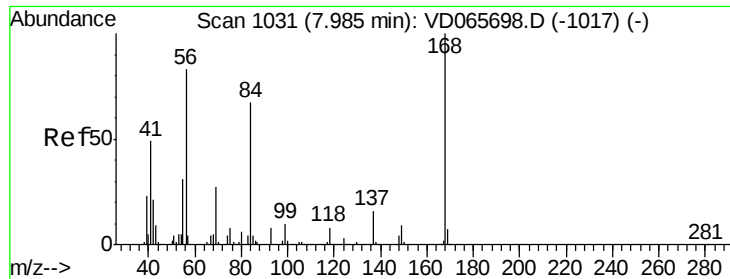
MMDadoda
5/7/2020 10:36:01 AM



#30
Chloroform
Concen: 97.371 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1





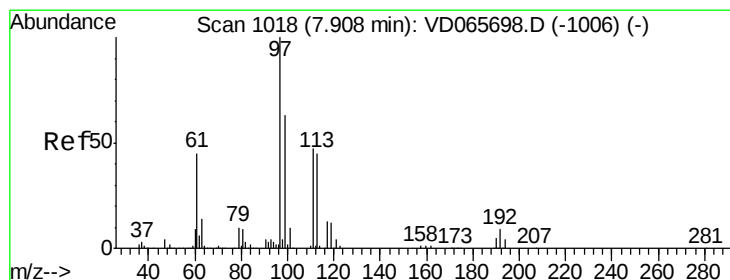
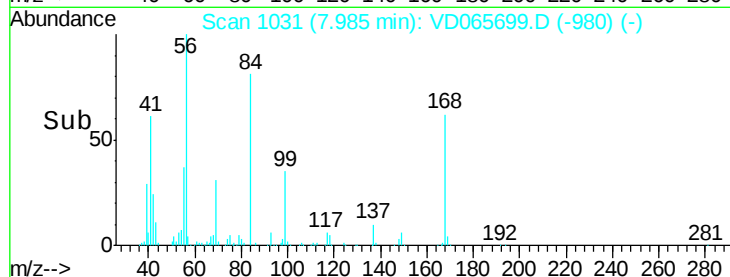
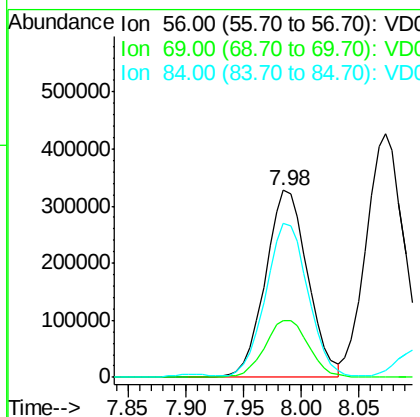
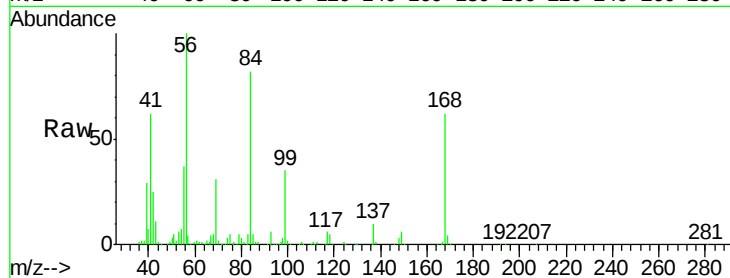
#31
Cyclohexane
Concen: 86.713 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.3	39.5
84	81.0	64.5	96.7

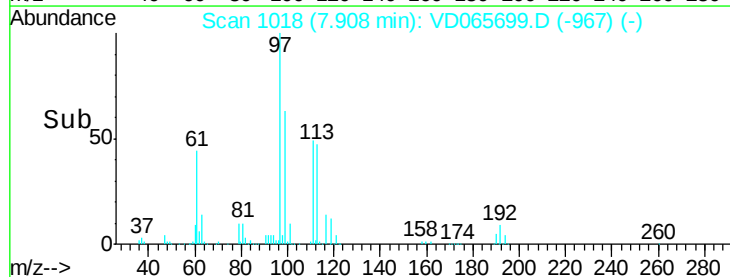
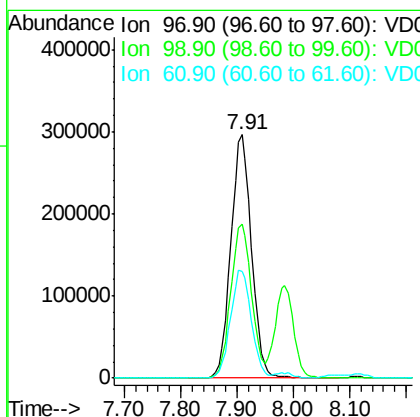
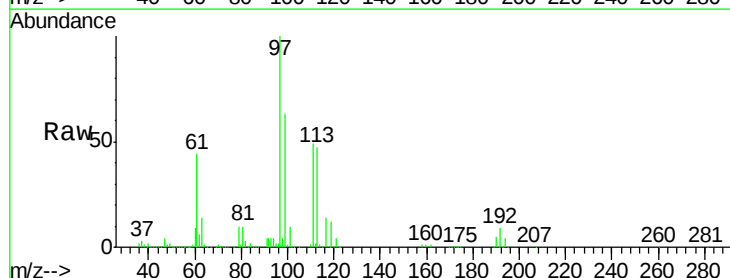
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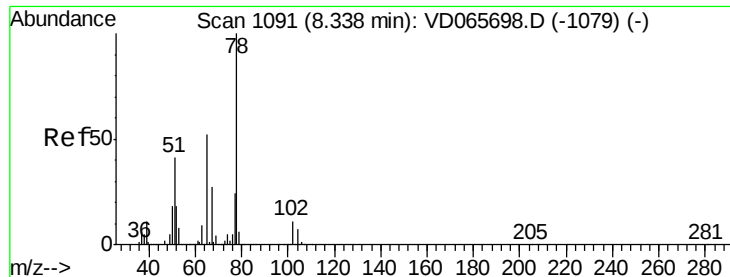
MMDadoda
5/7/2020 10:36:01 AM



#32
1,1,1-Trichloroethane
Concen: 94.193 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	44.7	36.0	54.0





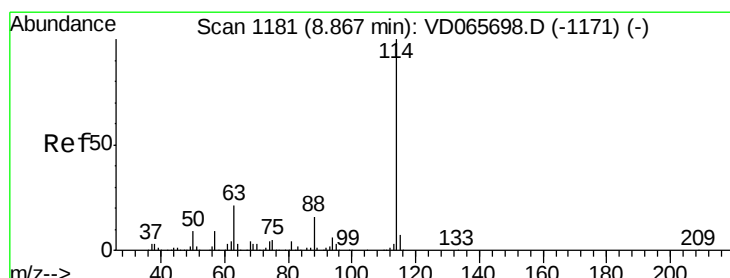
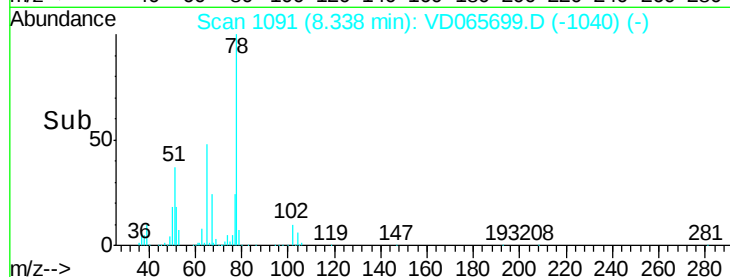
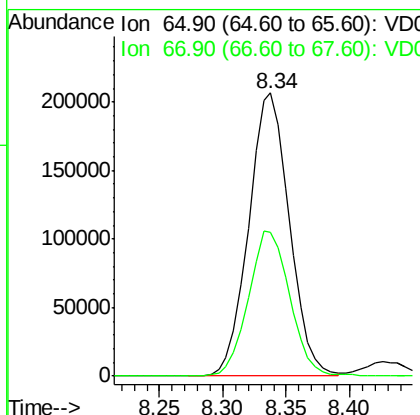
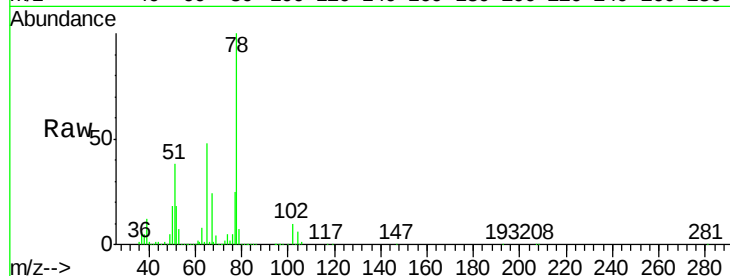
#33
 1,2-Dichloroethane-d4
 Concen: 100.622 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	103.8	

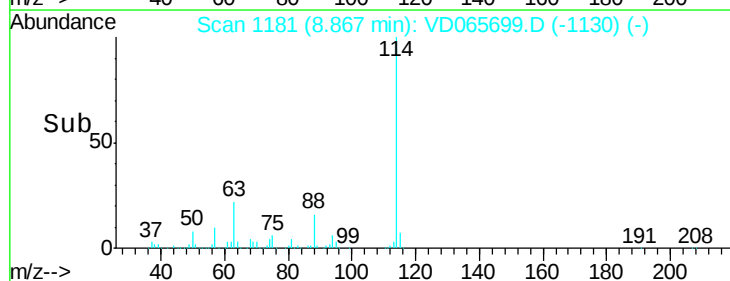
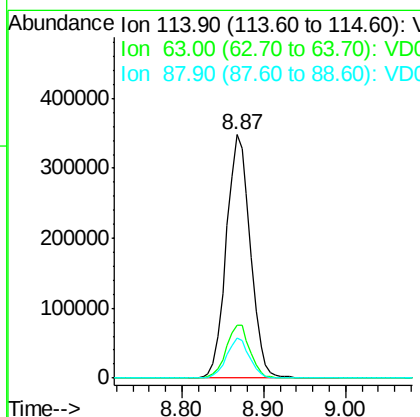
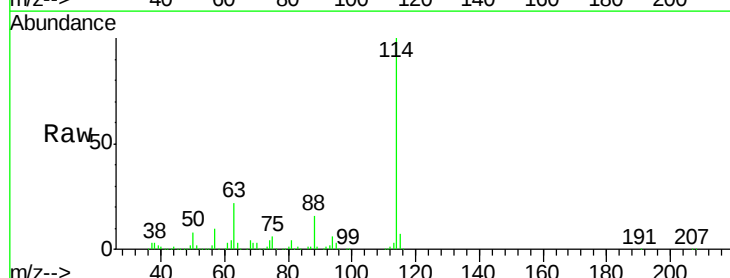
Manual Integrations
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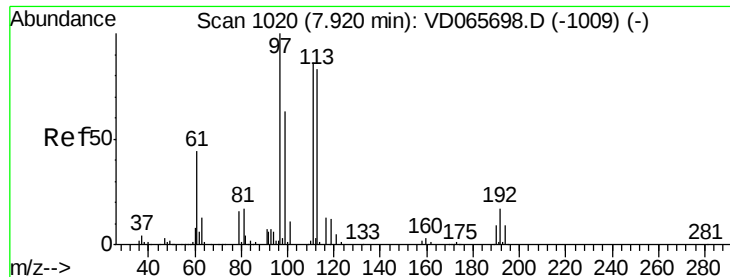
MMDadoda
 5/7/2020 10:36:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.7	0.0	42.4	
88	16.5	0.0	32.6	





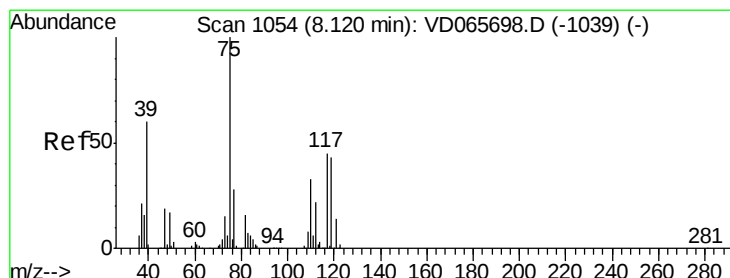
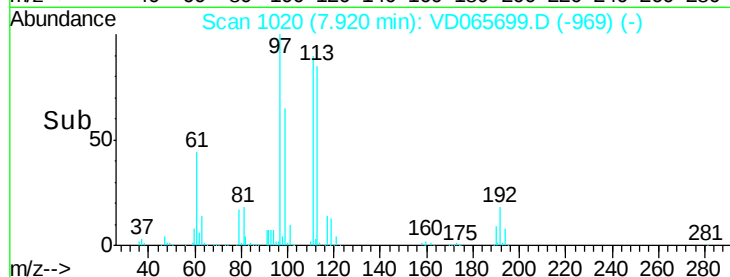
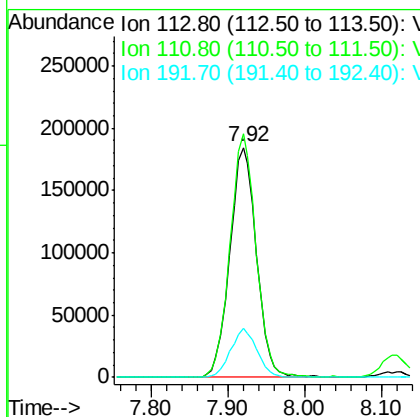
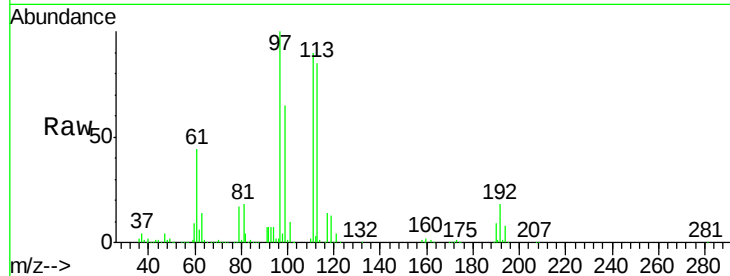
#35
 Dibromofluoromethane
 Concen: 99.138 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	20.9	17.0	25.4

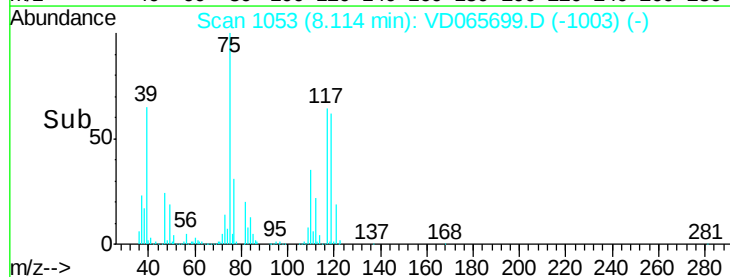
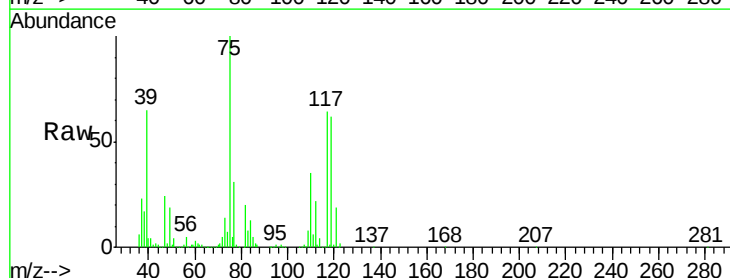
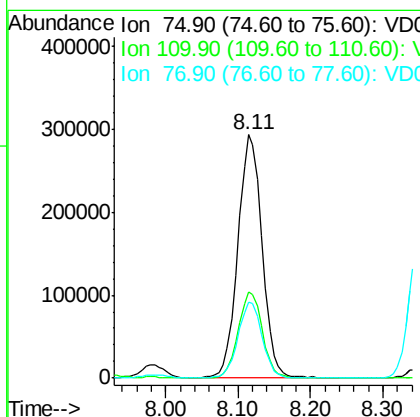
Manual Integrations
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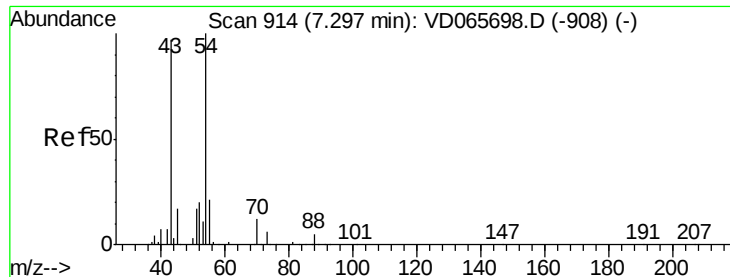
MMDadoda
 5/7/2020 10:36:01 AM



#36
 1,1-Dichloropropene
 Concen: 93.119 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.2	51.6
77	31.2	23.7	35.5





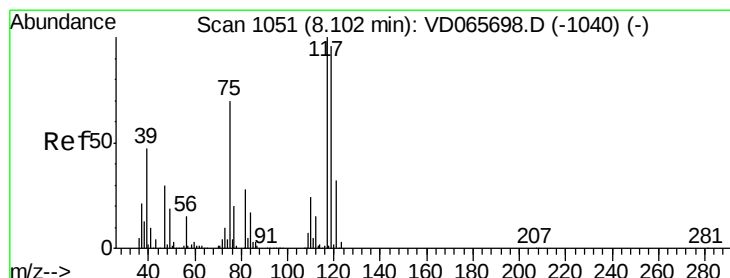
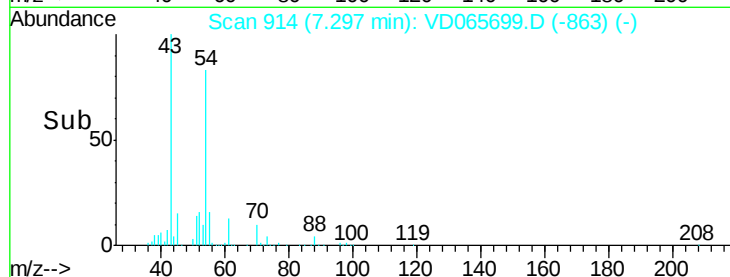
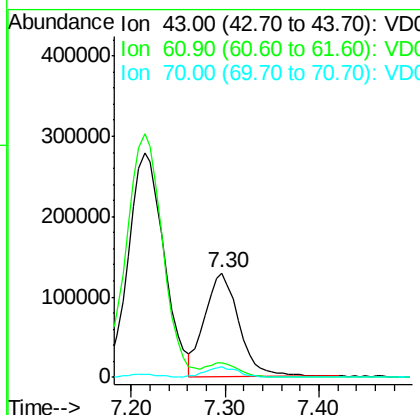
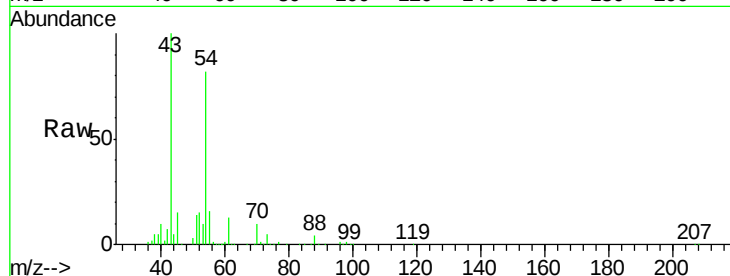
#37
Ethyl Acetate
Concen: 92.414 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.9	14.9
70	9.7	7.3	10.9

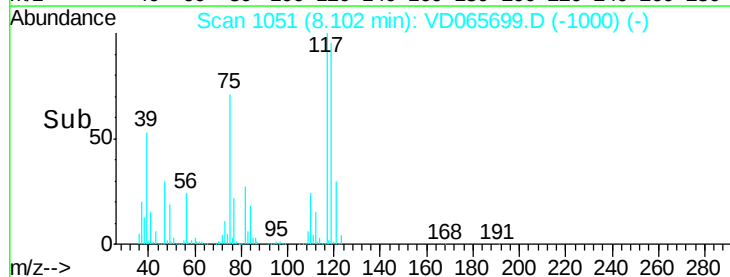
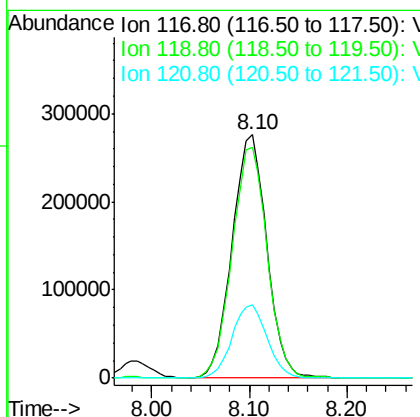
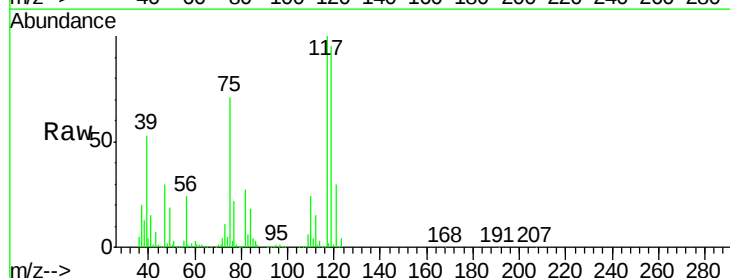
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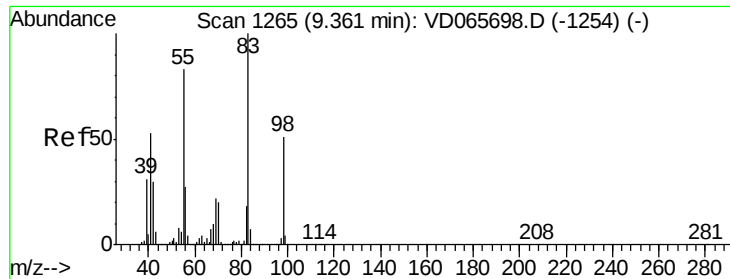
MMDadoda
5/7/2020 10:36:01 AM



#38
Carbon Tetrachloride
Concen: 94.700 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.1	115.7
121	30.2	25.5	38.3





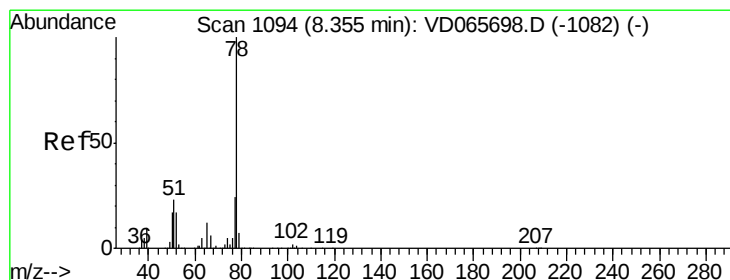
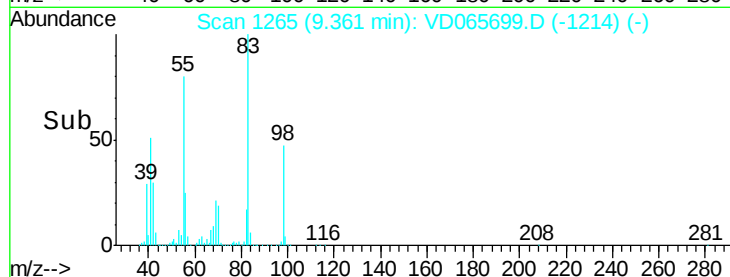
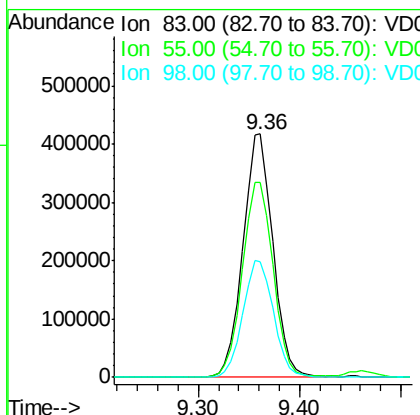
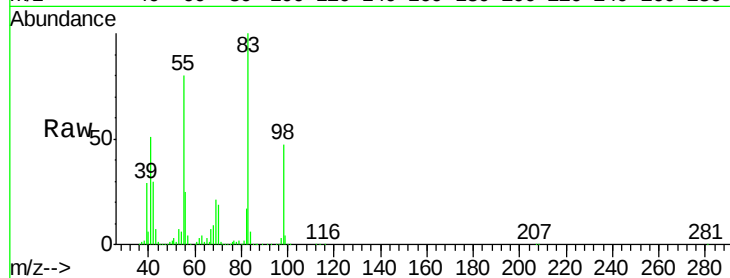
#39
Methvlcvclohexane
Concen: 93.768 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	66.0	99.0
98	47.2	41.0	61.4

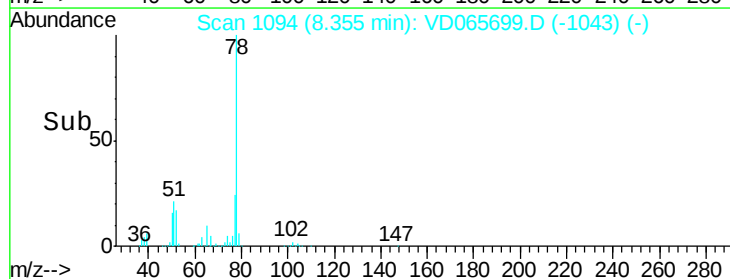
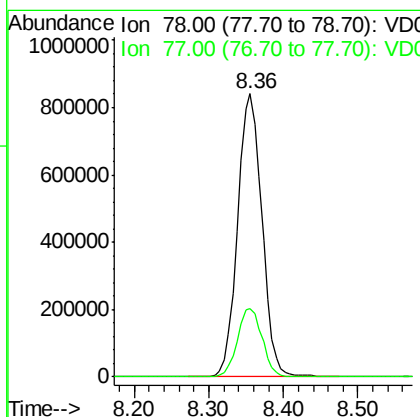
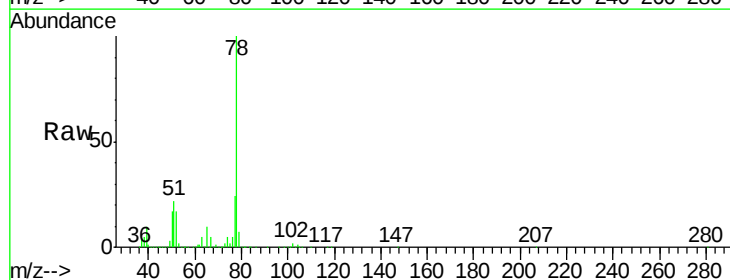
Manual Integrations
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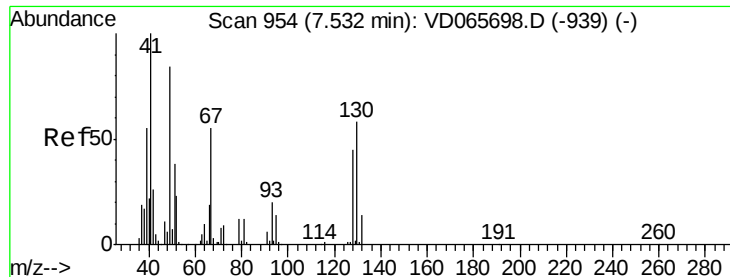
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#40
Benzene
Concen: 96.464 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4





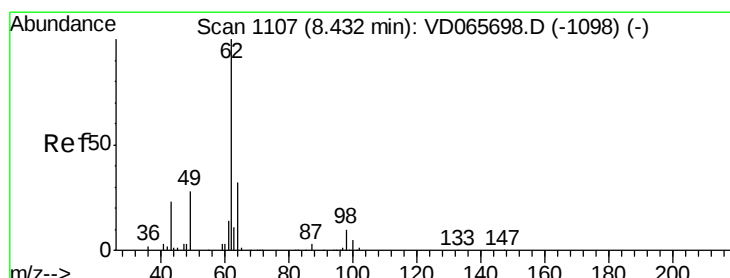
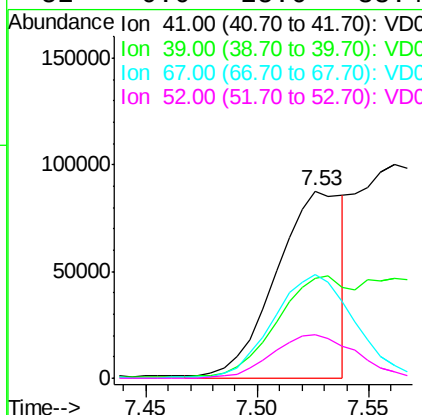
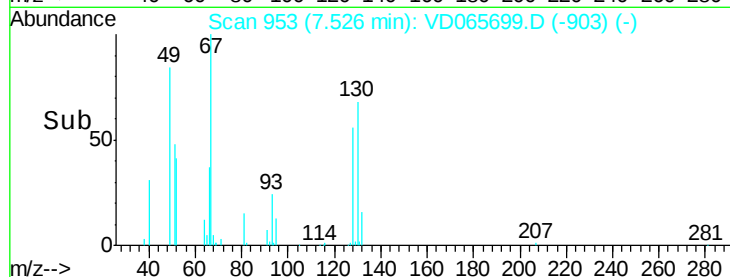
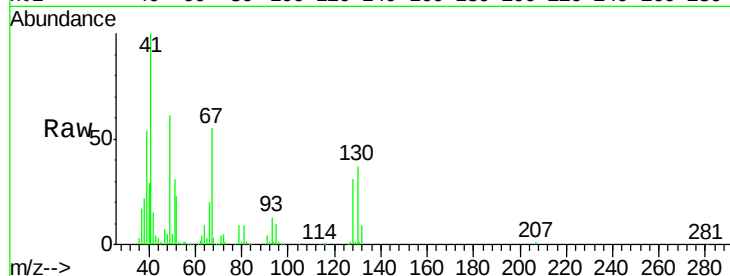
#41
Methacrylonitrile
Concen: 66.392 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.5	78.7#
67	0.0	59.4	89.0#
52	0.0	25.6	38.4#

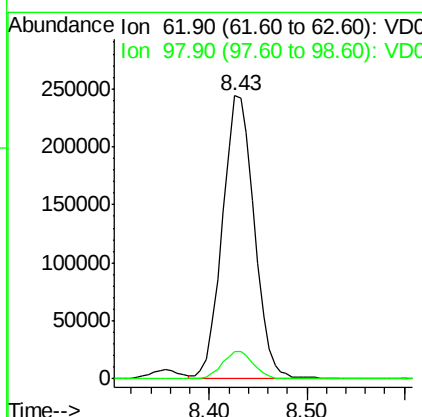
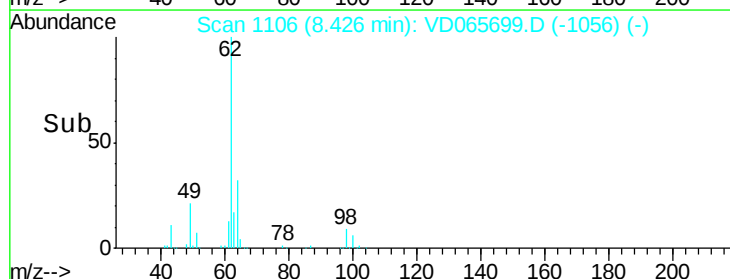
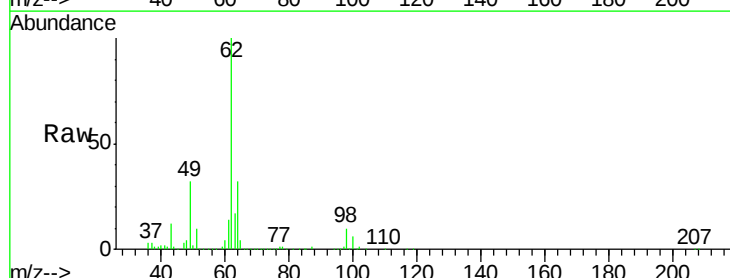
Manual Integrations
APPROVED

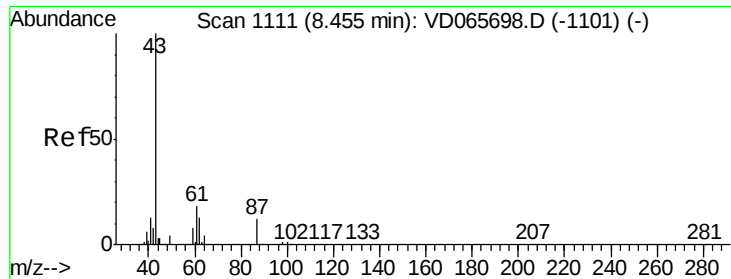
MMDadoda
5/7/2020 10:36:01 AM



#42
1,2-Dichloroethane
Concen: 96.416 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.2





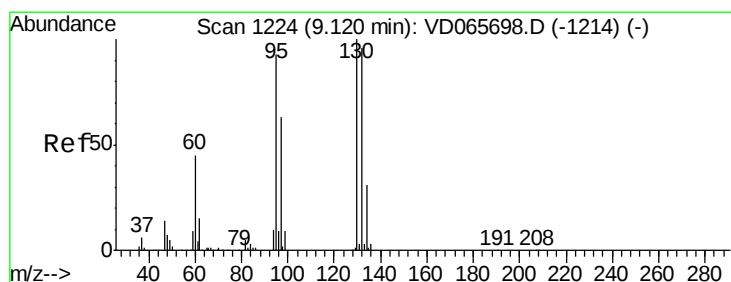
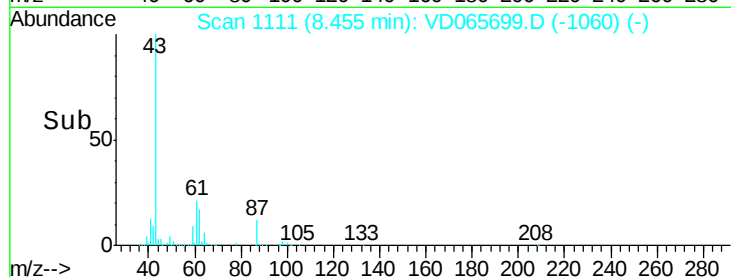
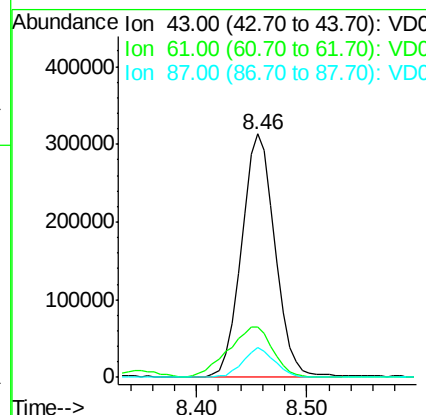
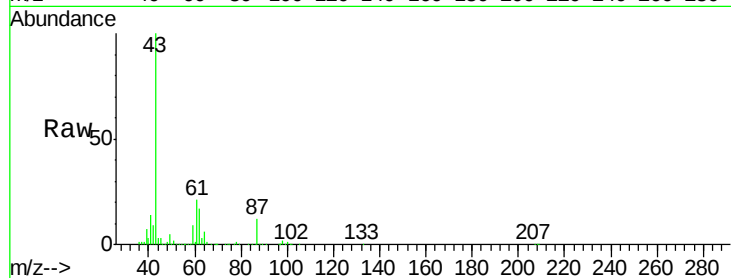
#43
Isopropyl Acetate
Concen: 93.935 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.7	21.9	32.9
87	11.7	9.4	14.2

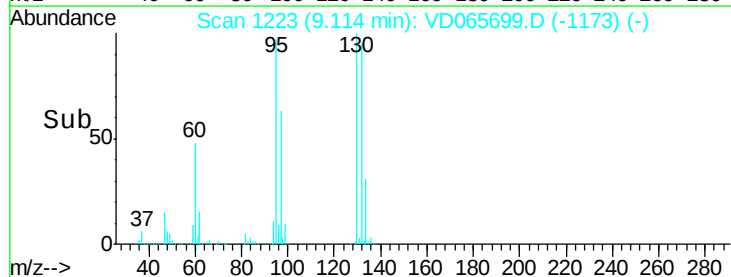
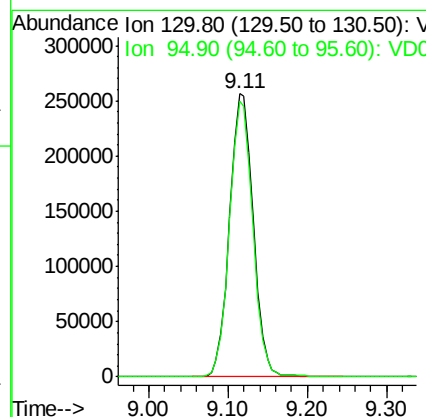
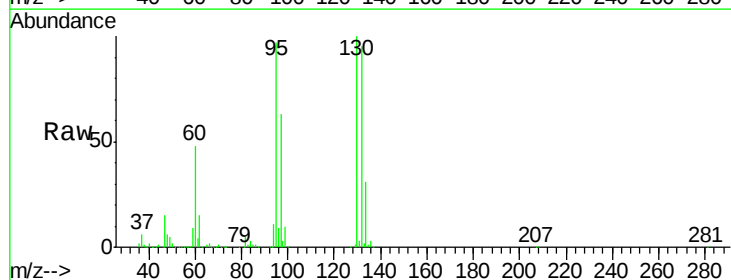
Manual Integrations
APPROVED

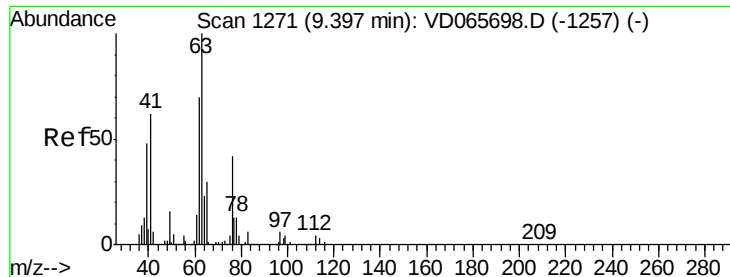
MMDadoda
5/7/2020 10:36:01 AM



#44
Trichloroethene
Concen: 97.578 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 96.447 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 492442

Ion Ratio Lower Upper

63 100

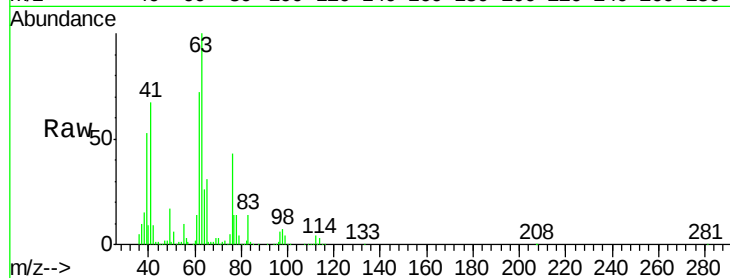
65 31.5 24.1 36.1

Manual Integrations

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MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

250000

200000

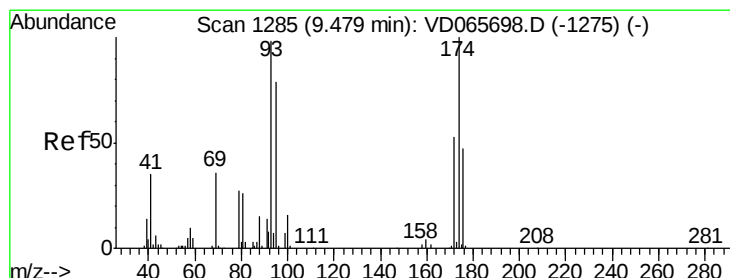
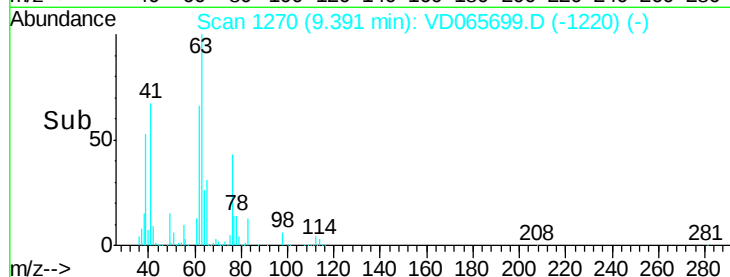
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 96.242 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

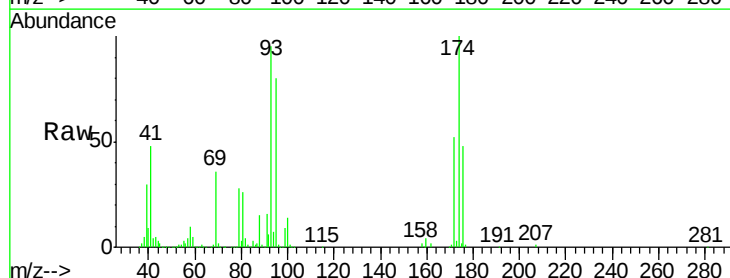
Tgt Ion: 93 Resp: 247019

Ion Ratio Lower Upper

93 100

95 82.1 65.3 97.9

174 105.4 82.7 124.1



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

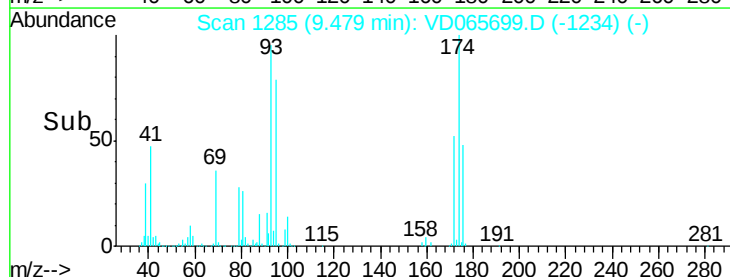
150000

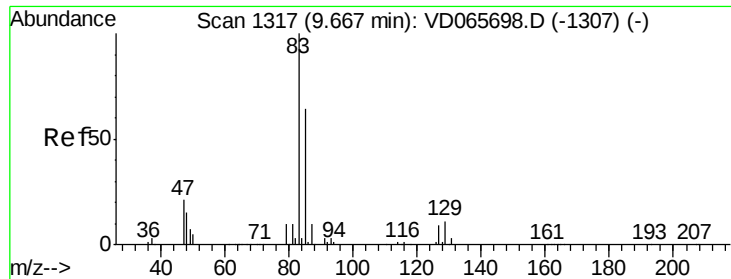
100000

50000

0

Time-->





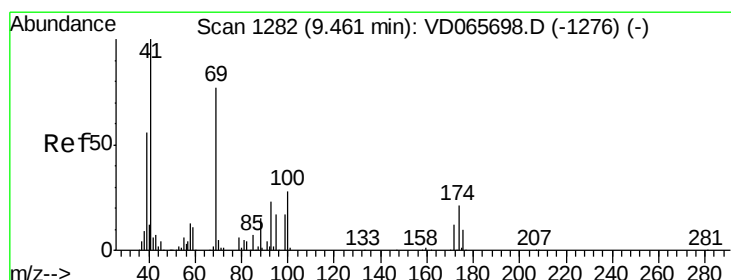
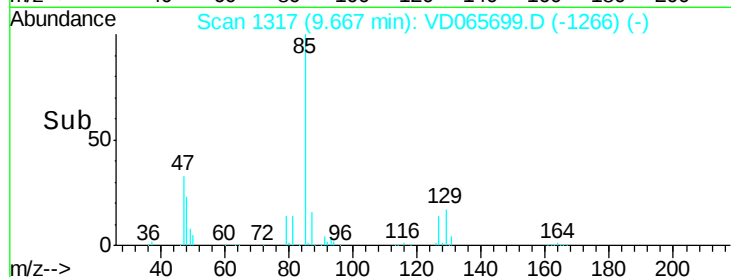
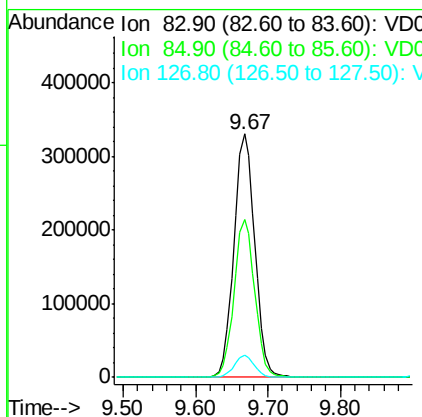
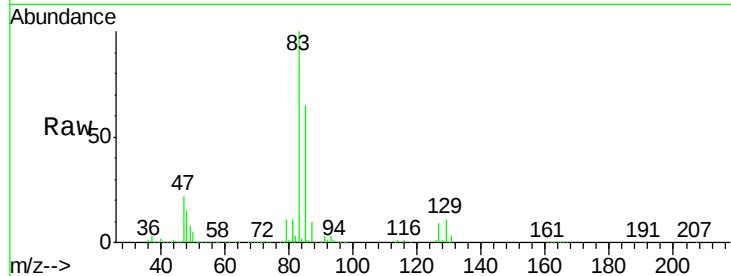
#47
Bromodichloromethane
Concen: 96.917 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	663289		
85	65.1		50.9	76.3
127	9.0		6.9	10.3

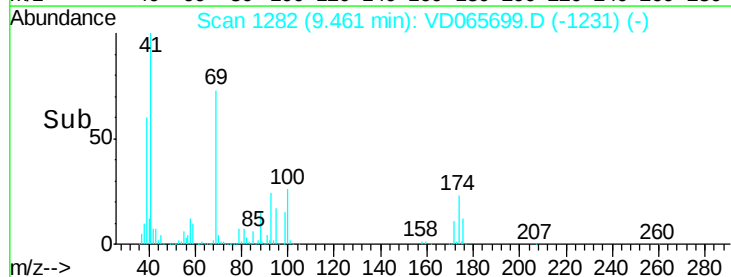
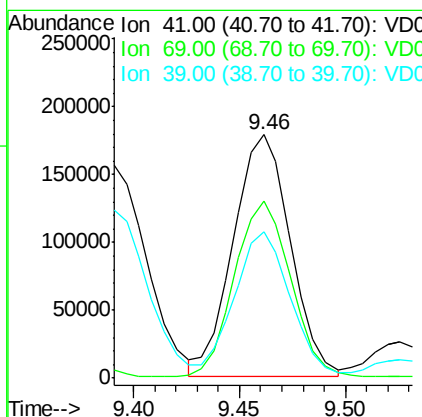
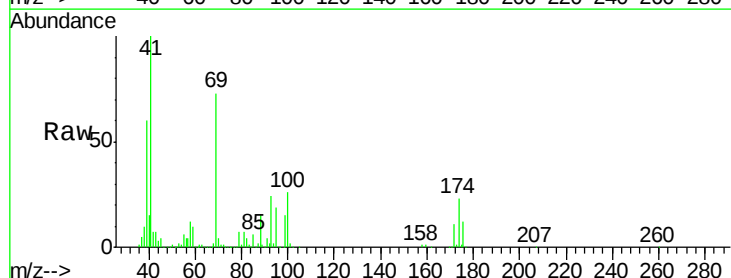
Manual Integrations
APPROVED

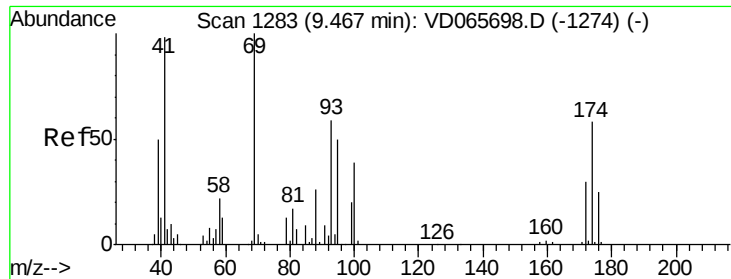
MMDadoda
5/7/2020 10:36:01 AM



#48
Methyl methacrylate
Concen: 95.753 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	335874		
69	72.8		58.2	87.2
39	54.8		43.3	64.9





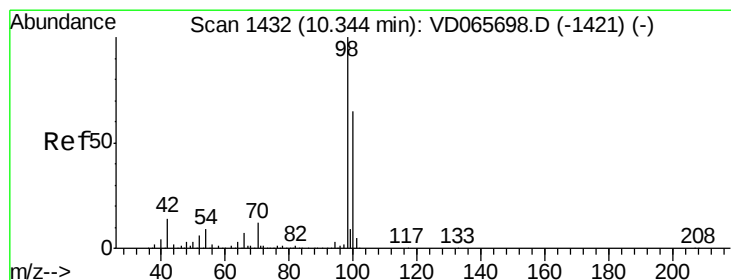
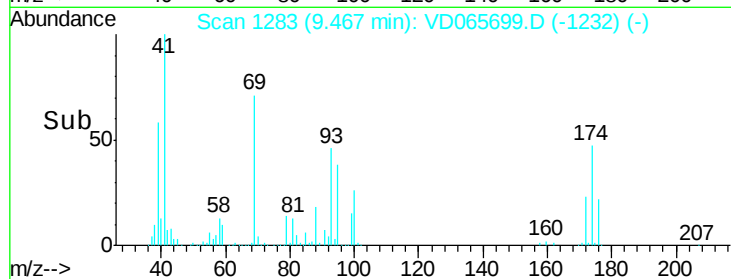
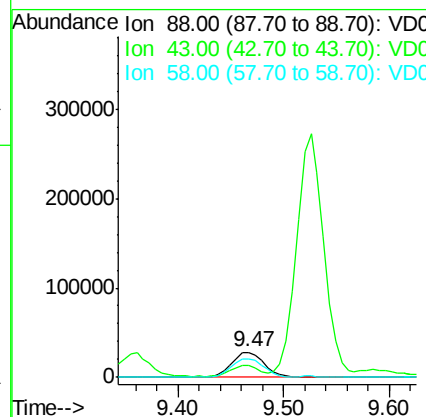
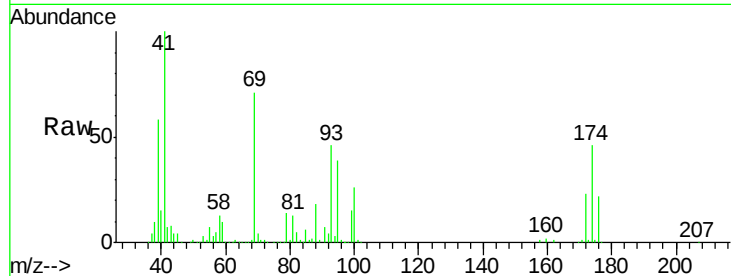
#49
1,4-Dioxane
Concen: 1892.746 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	60181
Ion	Ratio	Lower	Upper
88	100		
43	37.6	31.6	47.4
58	75.1	60.2	90.4

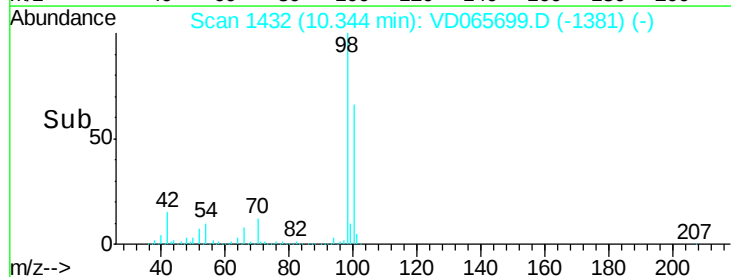
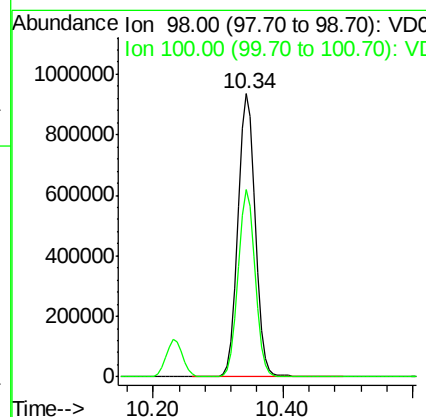
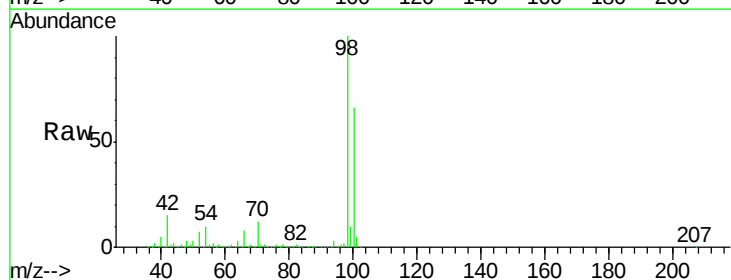
Manual Integrations
APPROVED

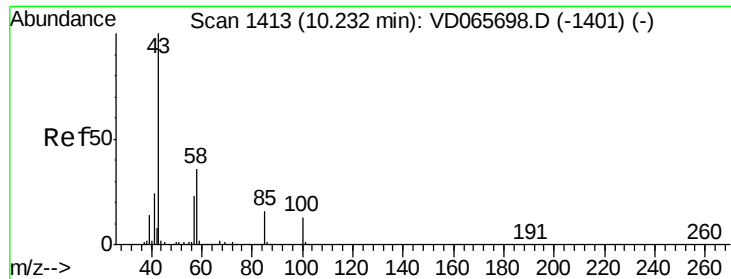
MMDadoda
5/7/2020 10:36:01 AM



#50
Toluene-d8
Concen: 100.046 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	98	Resp	1722572
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 473.546 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1607390

Ion Ratio Lower Upper

43 100

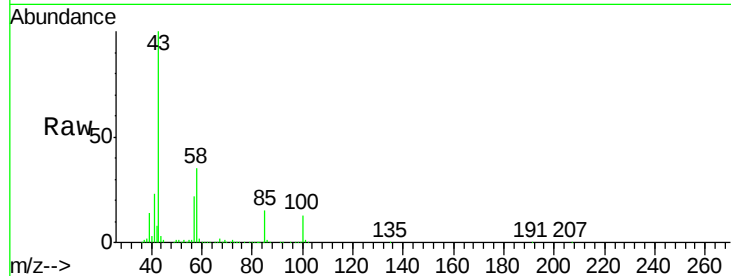
58 36.0 28.6 42.8

Manual Integrations

APPROVED

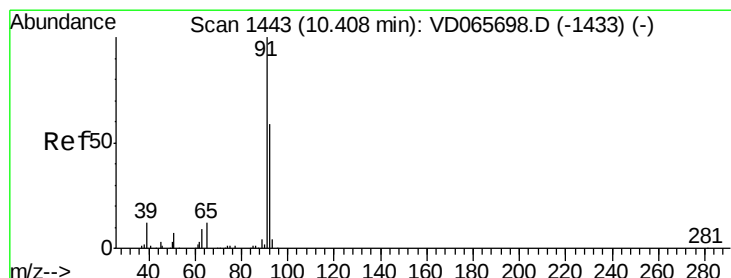
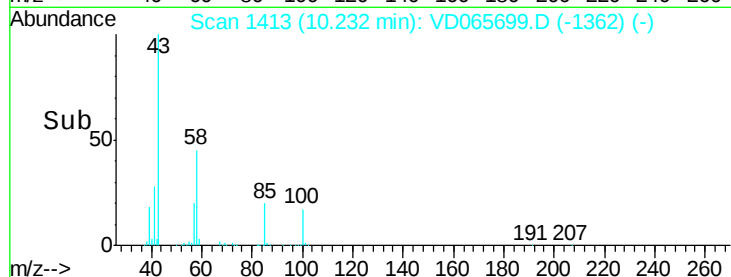
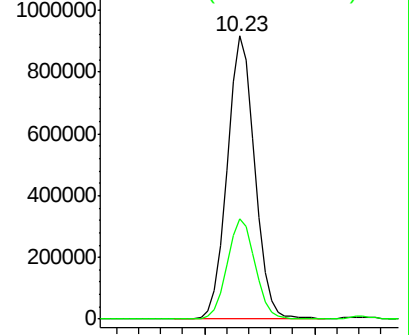
MMDadoda

5/7/2020 10:36:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 96.705 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065699.D

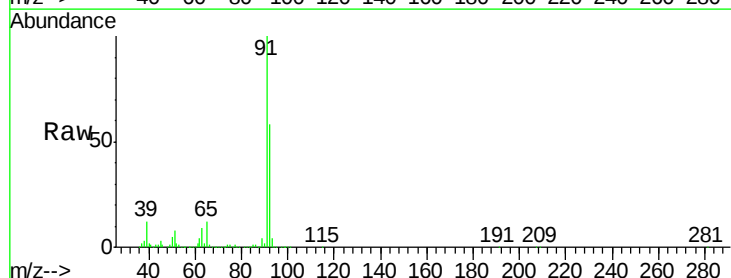
Acq: 06 May 2020 16:05

Tgt Ion: 92 Resp: 1205386

Ion Ratio Lower Upper

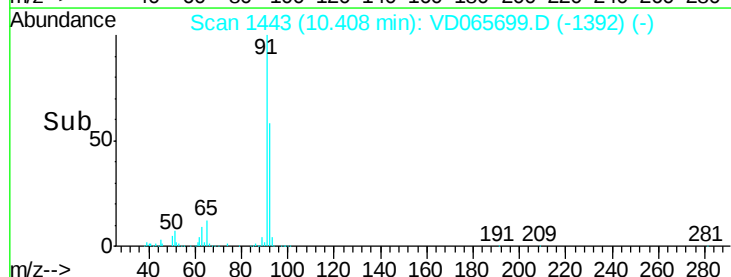
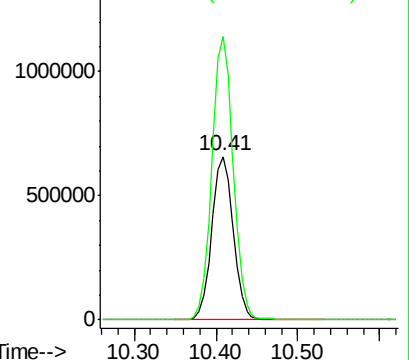
92 100

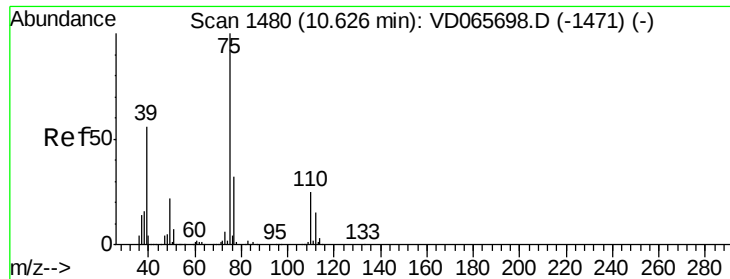
91 172.1 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 98.588 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 680483

Ion Ratio Lower Upper

75 100

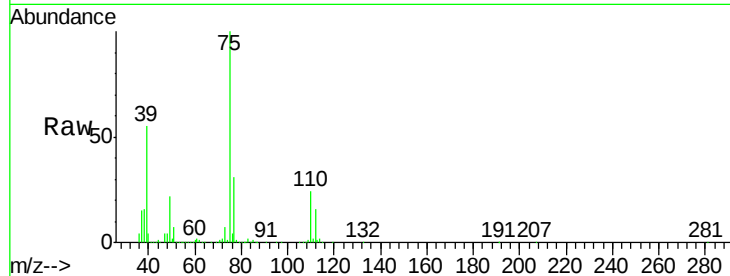
77 31.0 25.4 38.0

Manual Integrations

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5/7/2020 10:36:01 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

400000

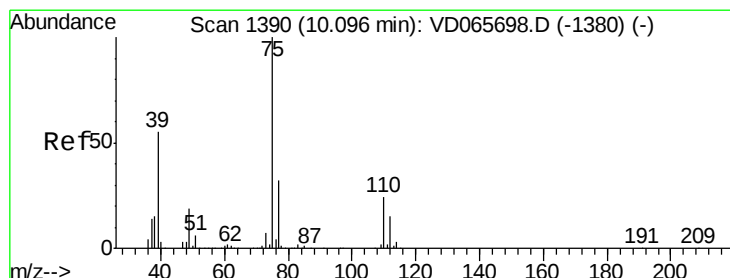
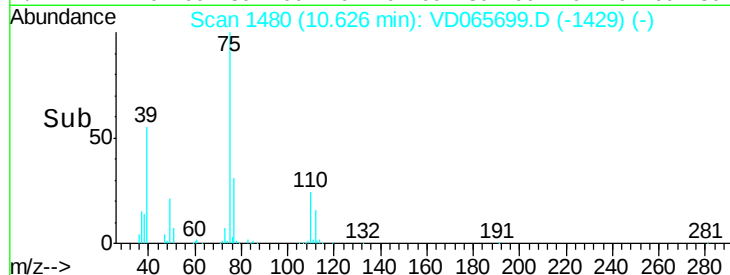
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 97.672 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

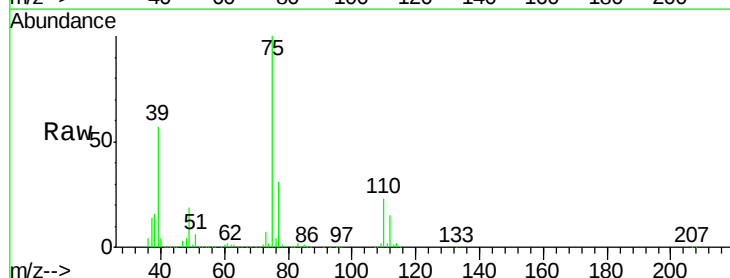
Tgt Ion: 75 Resp: 796373

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

39 56.5 44.4 66.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

600000

500000

400000

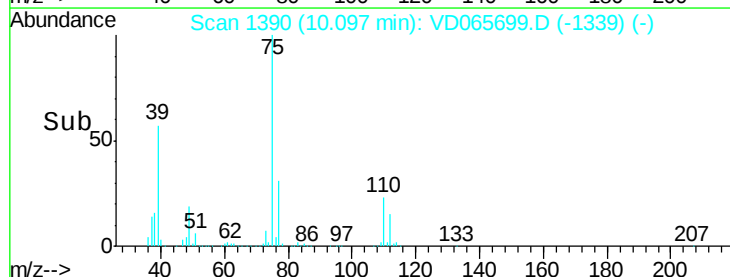
300000

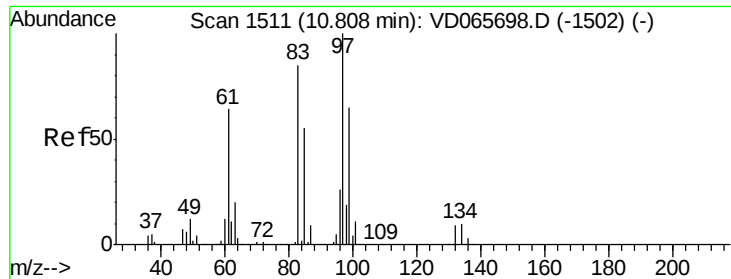
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 97.361 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

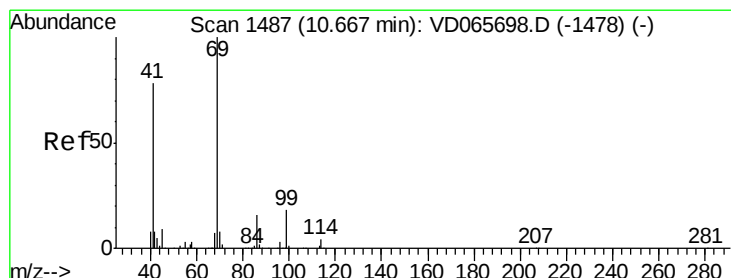
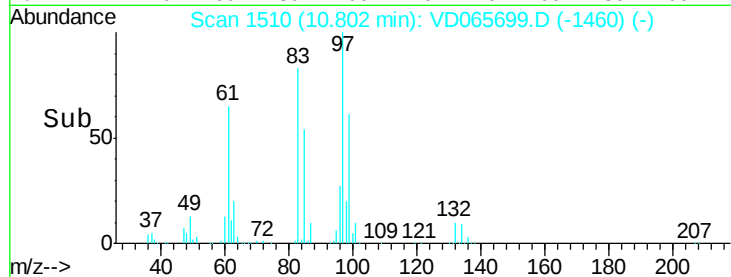
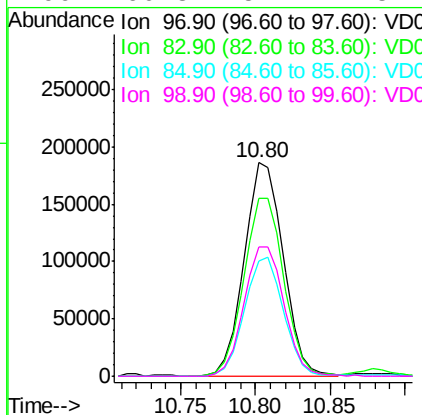
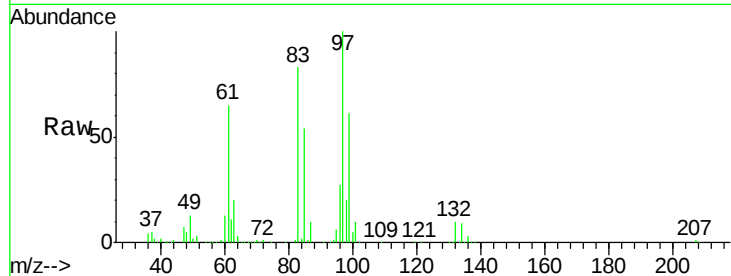
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	335635
Ion	Ratio	Lower	Upper
97	100		
83	83.3	68.2	102.4
85	54.2	43.6	65.4
99	60.8	52.2	78.4

Manual Integrations
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MMDadoda
5/7/2020 10:36:01 AM



#56

Ethyl methacrylate

Concen: 96.801 ug/l

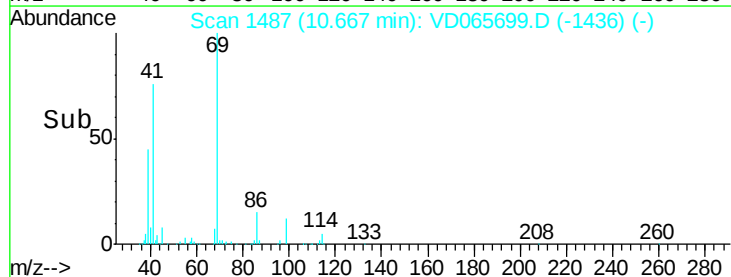
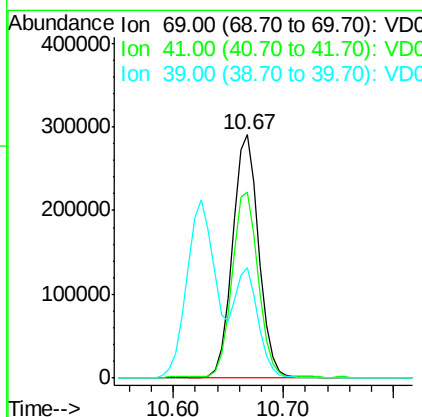
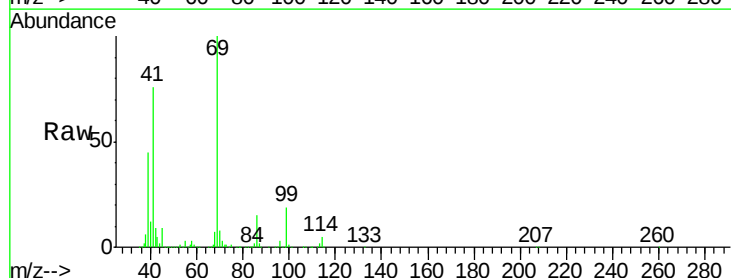
RT: 10.67 min Scan# 1487

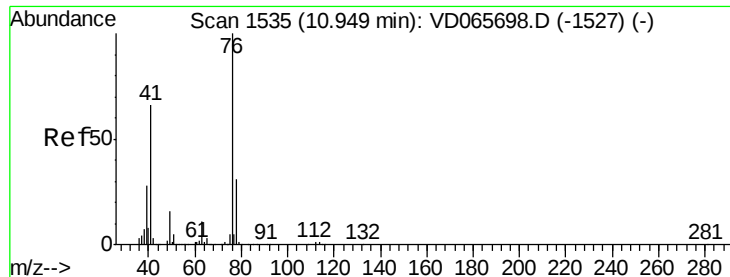
Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion:	69	Resp:	483545
Ion	Ratio	Lower	Upper
69	100		
41	75.8	61.4	92.0
39	40.0	32.7	49.1





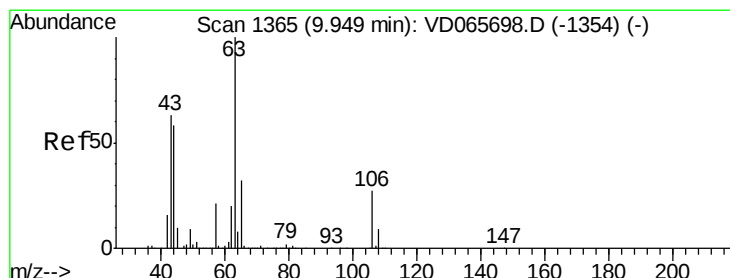
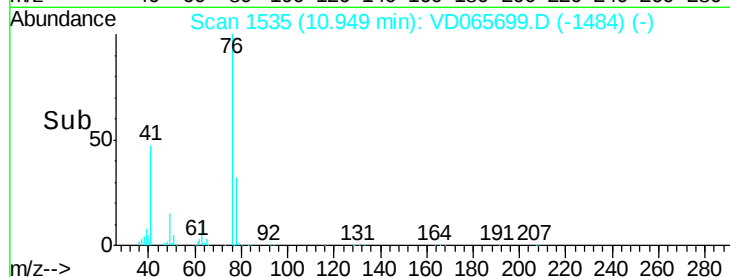
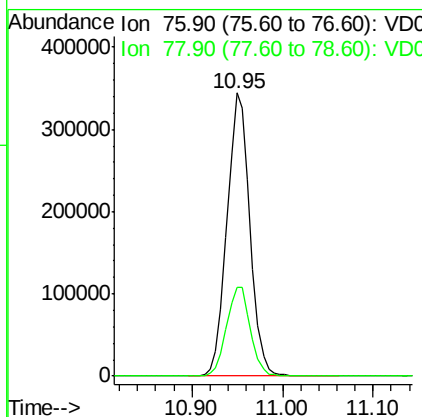
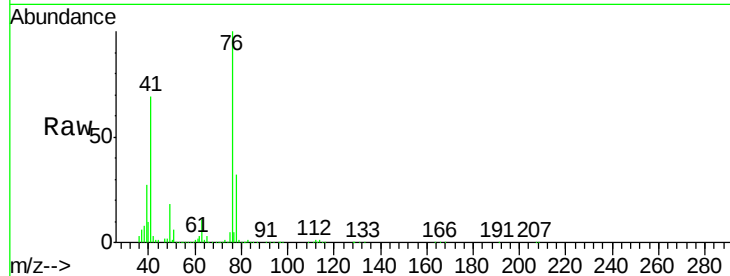
#57
 1,3-Dichloropropane
 Concen: 97.403 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 603583
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

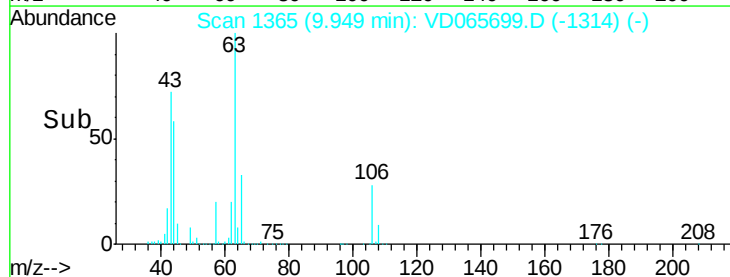
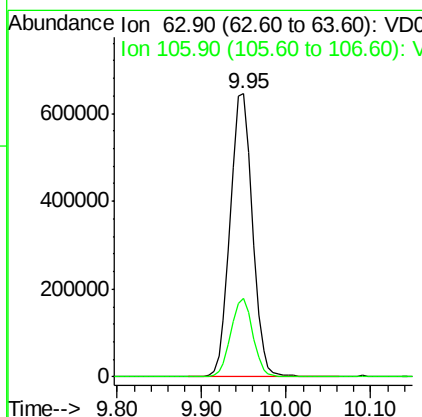
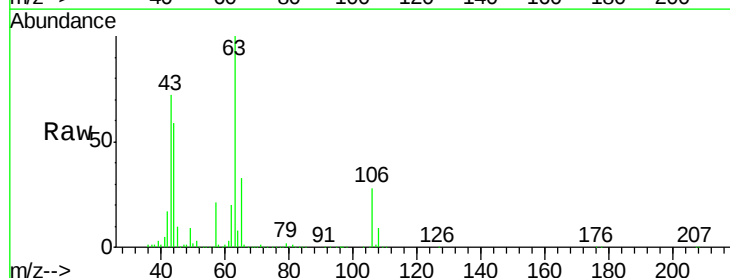
Manual Integrations
 APPROVED

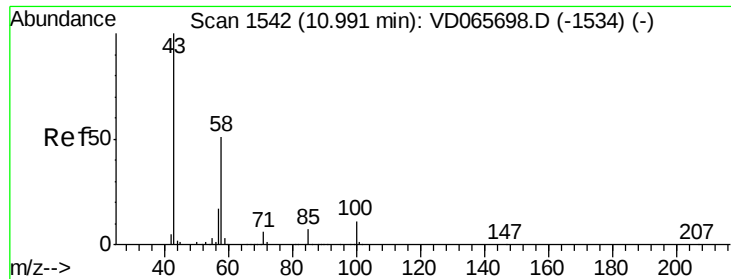
MMDadoda
 5/7/2020 10:36:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 520.036 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Tgt Ion: 63 Resp: 1168724
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.0 33.0





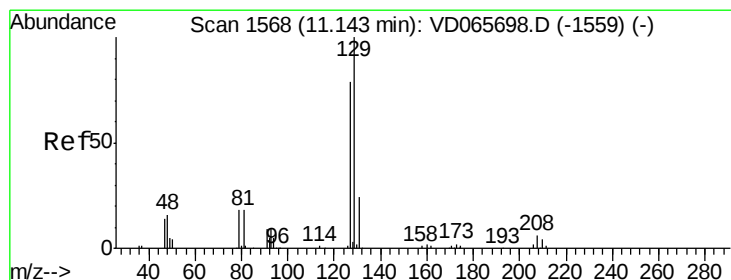
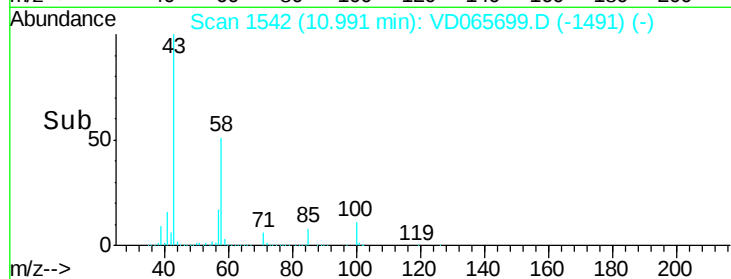
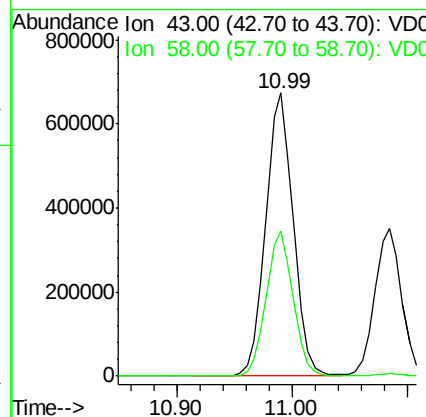
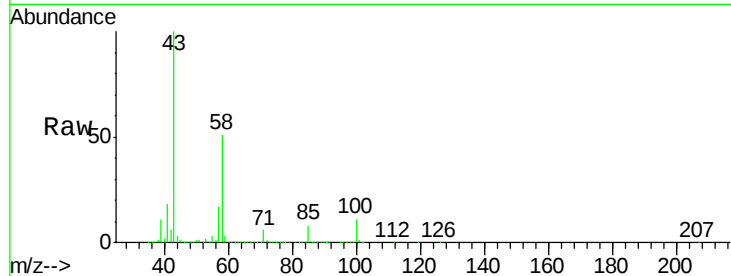
#59
2-Hexanone
Concen: 477.795 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1116128
Ion Ratio Lower Upper
43 100
58 50.5 25.4 76.0

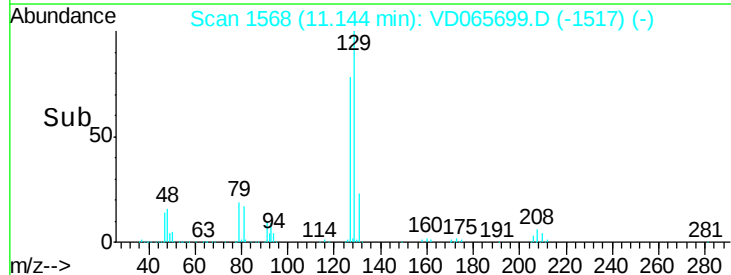
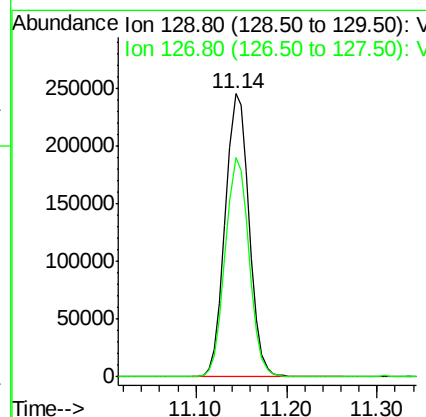
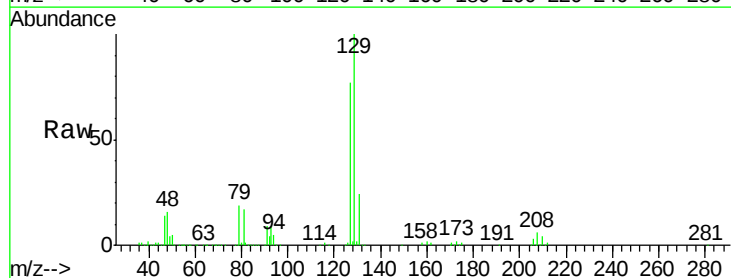
Manual Integrations
APPROVED

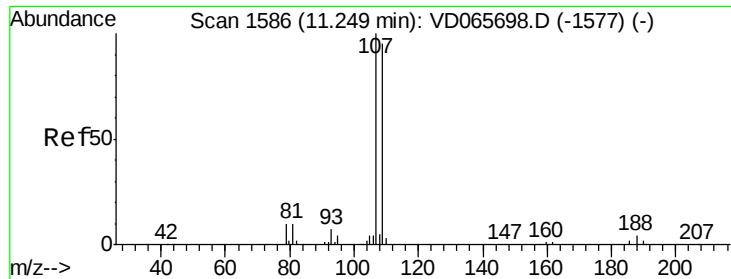
MMDadoda
5/7/2020 10:36:01 AM



#60
Dibromochloromethane
Concen: 97.011 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion: 129 Resp: 449940
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





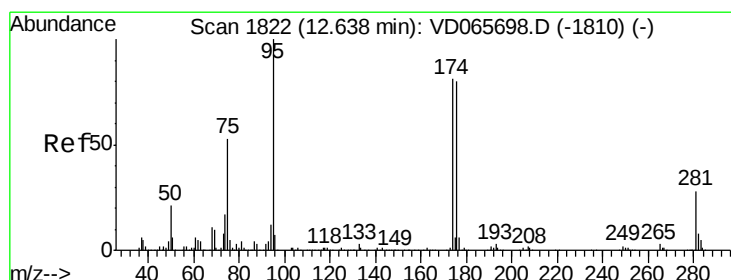
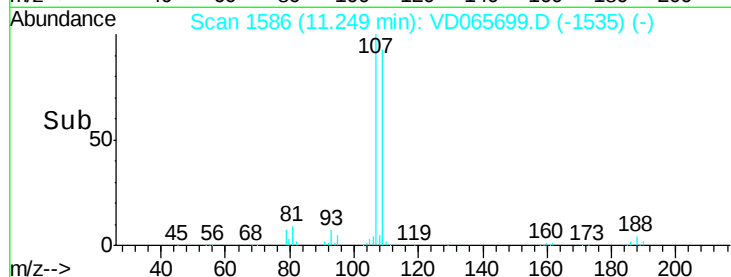
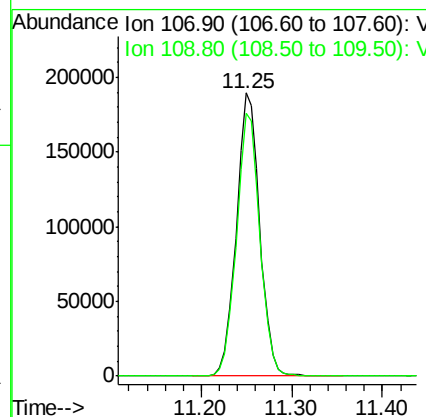
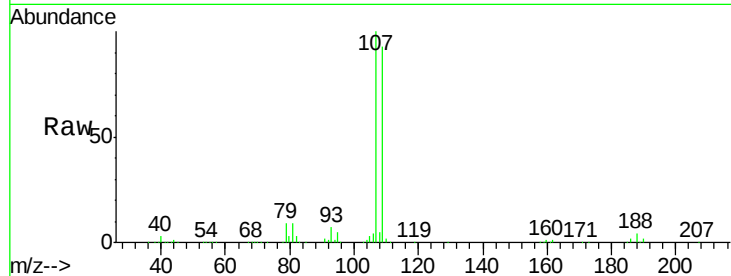
#61
 1,2-Dibromoethane
 Concen: 97.489 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	338593		
109	93.5	74.9	112.3	

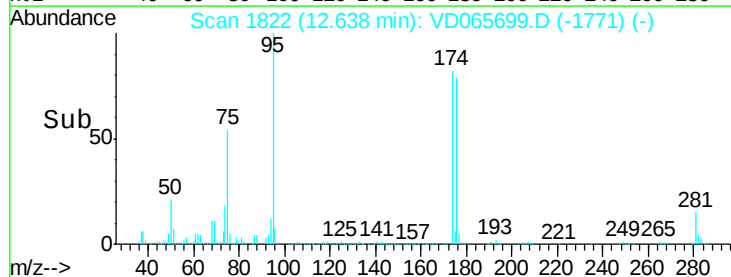
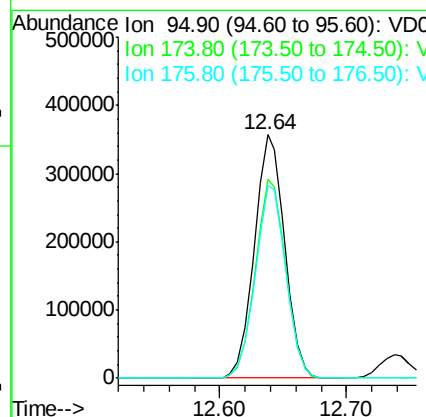
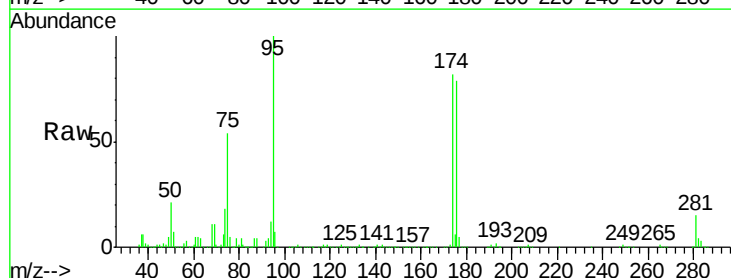
Manual Integrations
 APPROVED

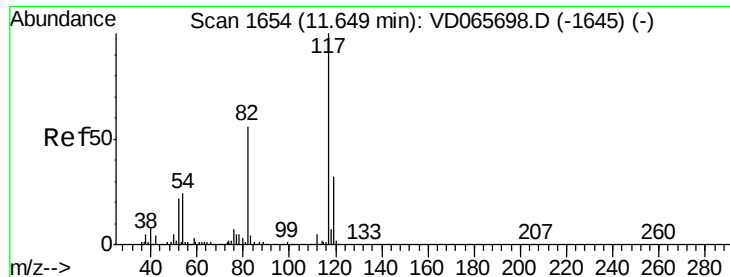
MMDadoda
 5/7/2020 10:36:01 AM



#62
 4-Bromofluorobenzene
 Concen: 96.224 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	594776		
174	82.0	0.0	162.6	
176	79.7	0.0	159.0	





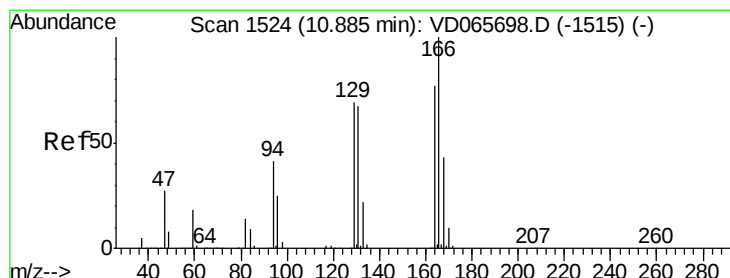
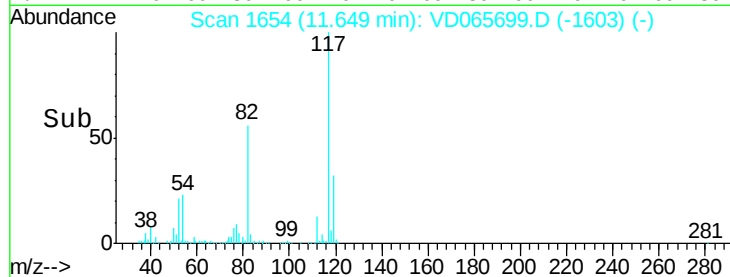
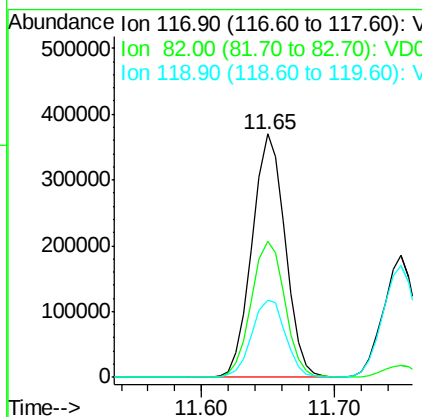
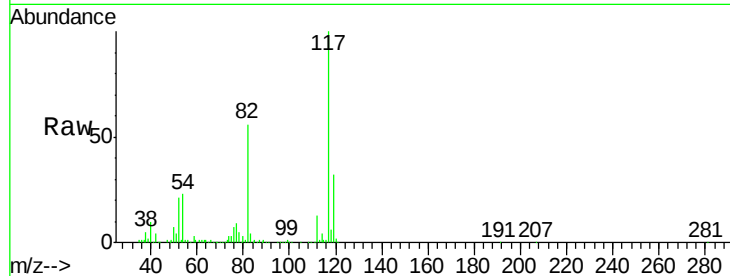
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.9	67.3
119	31.6	25.4	38.2

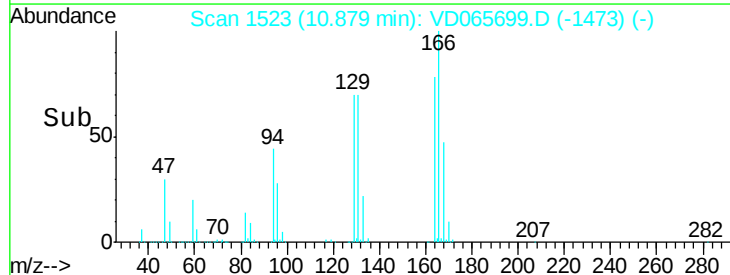
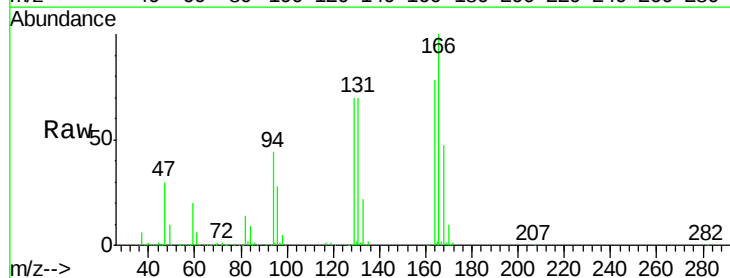
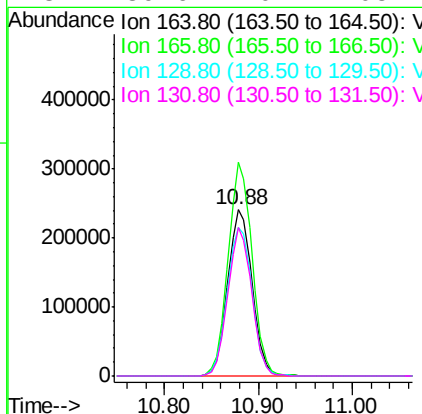
Manual Integrations
APPROVED

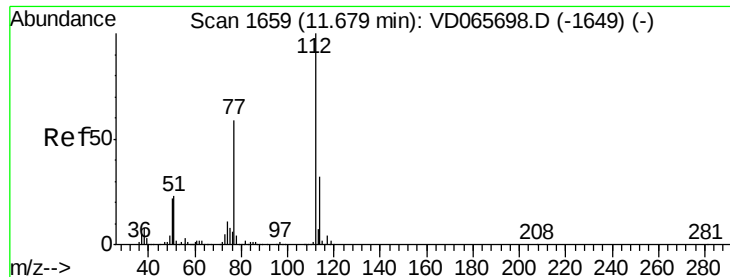
MMDadoda
5/7/2020 10:36:01 AM



#64
Tetrachloroethene
Concen: 93.000 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	104.3	156.5
129	89.5	71.9	107.9
131	89.6	70.2	105.2





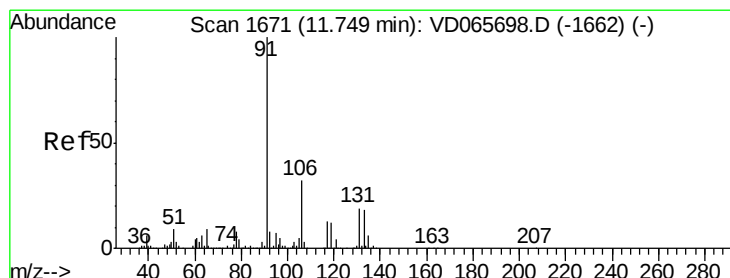
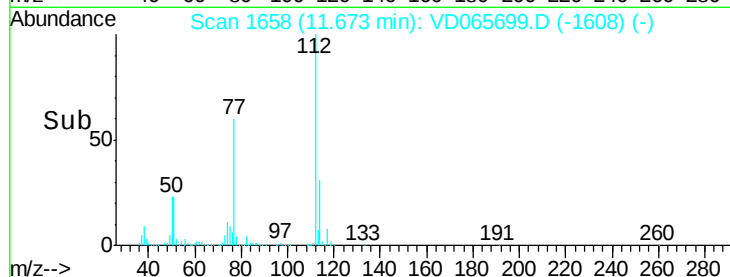
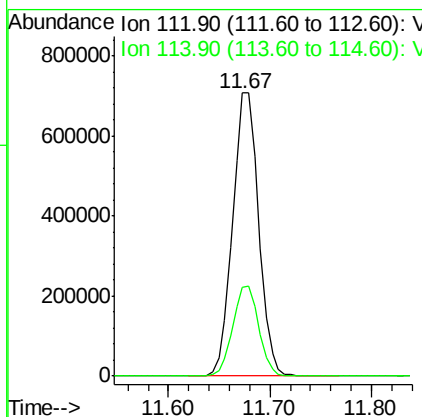
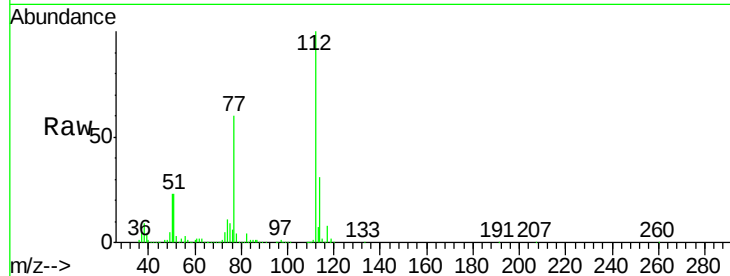
#65
Chlorobenzene
Concen: 96.751 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1258199
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0

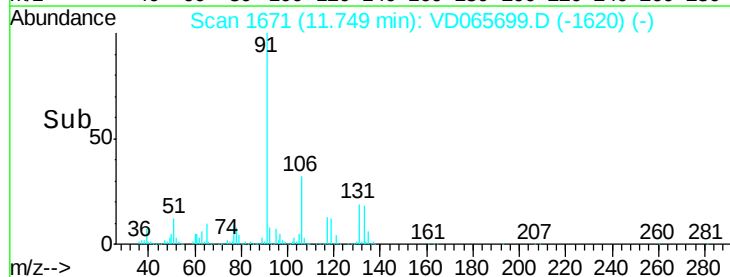
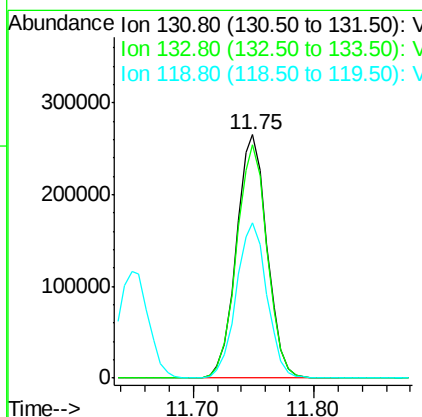
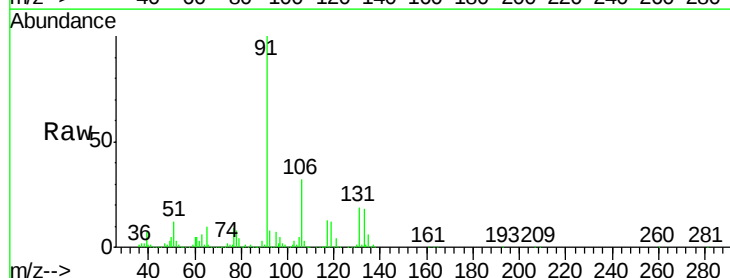
Manual Integrations
APPROVED

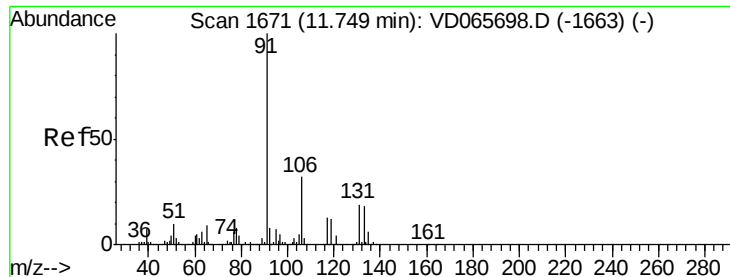
MMDadoda
5/7/2020 10:36:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 96.555 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion:131 Resp: 468303
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.8
119 64.0 31.8 95.4





#67

Ethyl Benzene

Concen: 95.699 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2328963

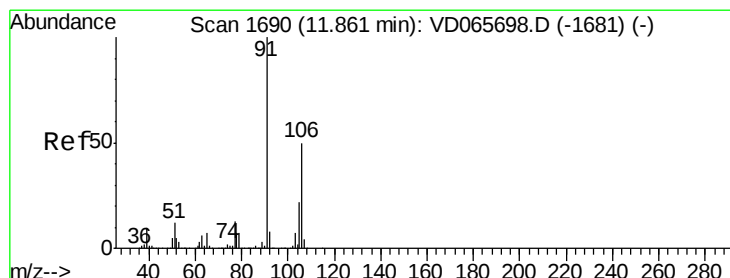
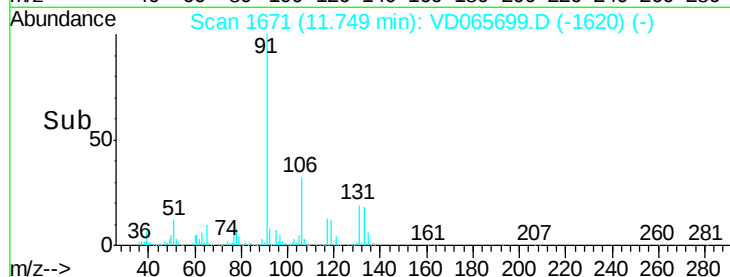
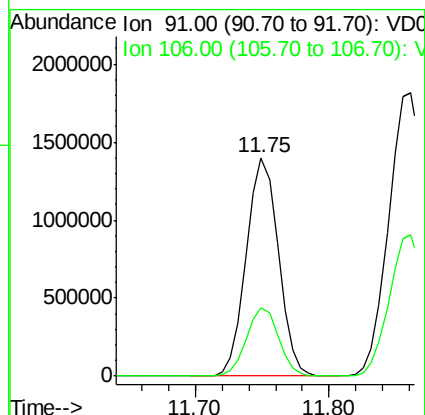
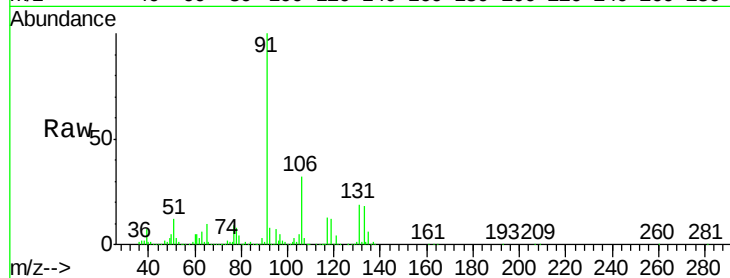
Ion Ratio Lower Upper

91 100

106 31.5 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:01 AM



#68

m/p-Xylenes

Concen: 190.218 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065699.D

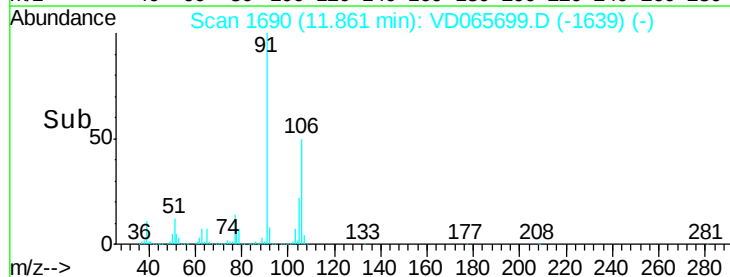
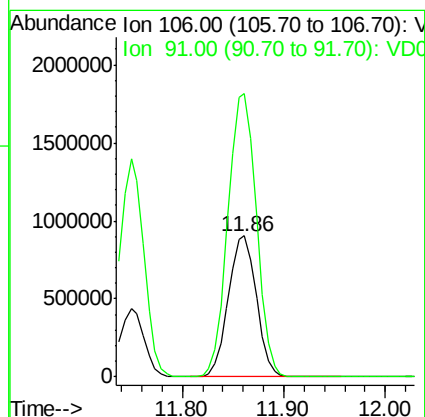
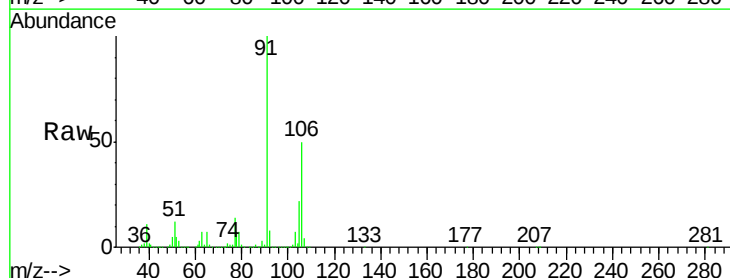
Acq: 06 May 2020 16:05

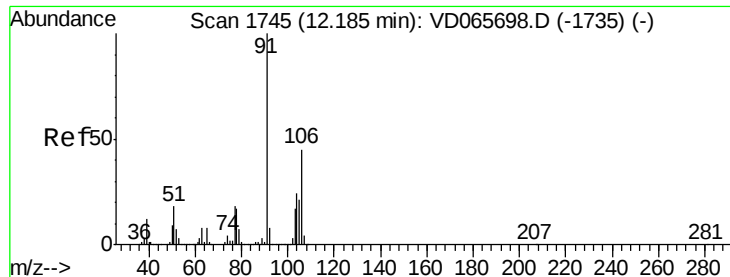
Tgt Ion: 106 Resp: 1731766

Ion Ratio Lower Upper

106 100

91 204.6 163.1 244.7





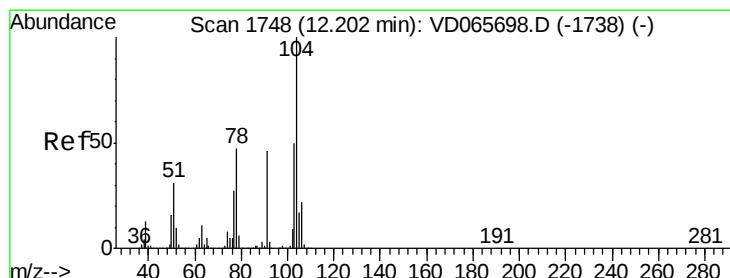
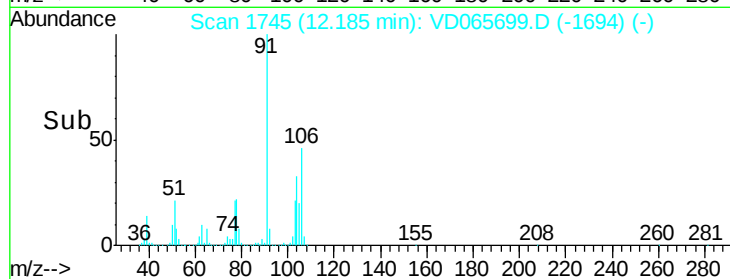
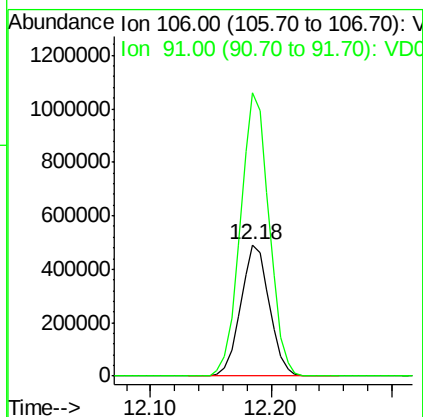
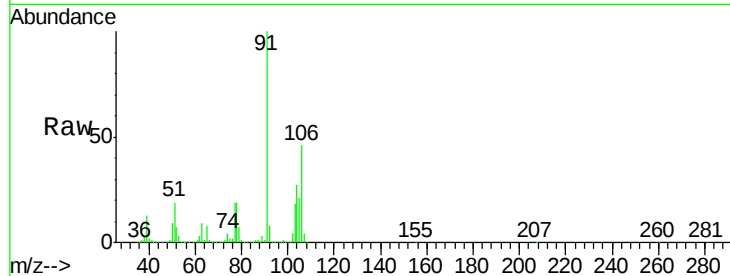
#69
o-Xylene
Concen: 96.139 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 813652
Ion Ratio Lower Upper
106 100
91 215.7 107.9 323.7

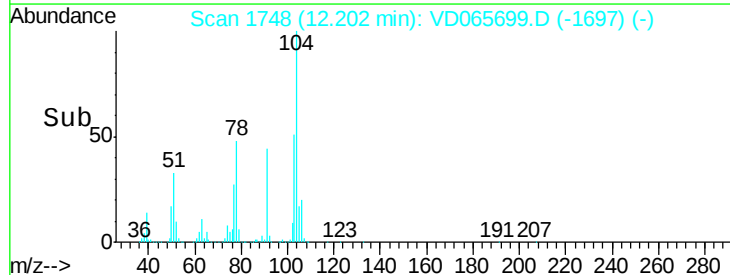
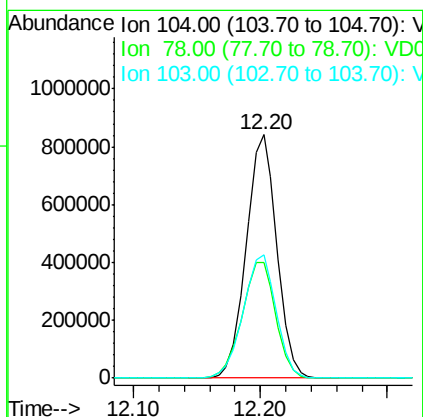
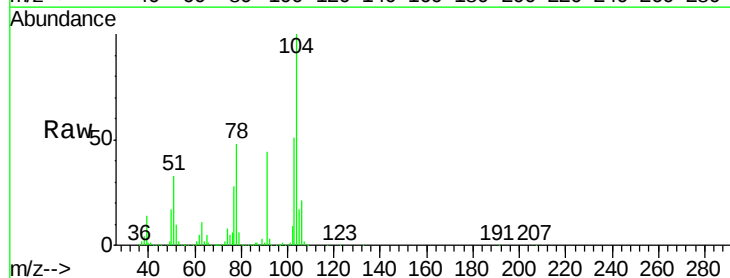
Manual Integrations
APPROVED

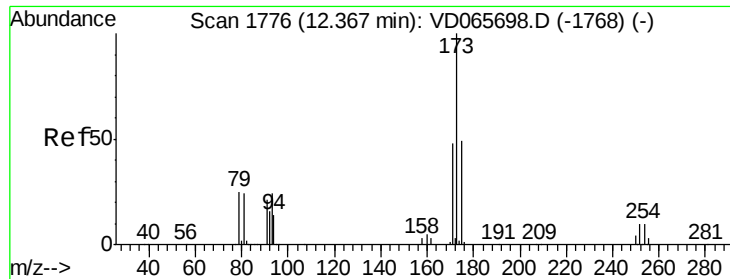
MMDadoda
5/7/2020 10:36:01 AM



#70
Styrene
Concen: 97.087 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion:104 Resp: 1408884
Ion Ratio Lower Upper
104 100
78 52.4 41.0 61.4
103 54.6 43.8 65.6





#71

Bromoform

Concen: 96.964 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

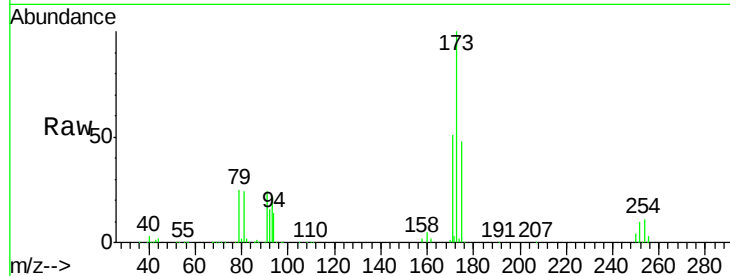
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.5	73.5
254	0.1	0.0	0.0

Manual Integrations
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Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.37

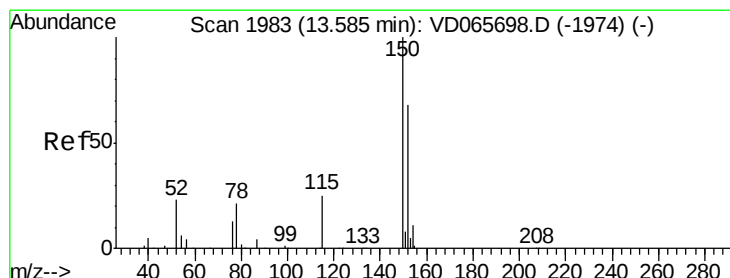
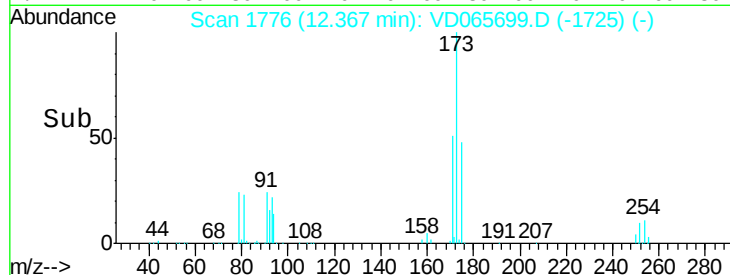
150000

100000

50000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.5	88.5
150	187.2	0.0	346.8

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

400000

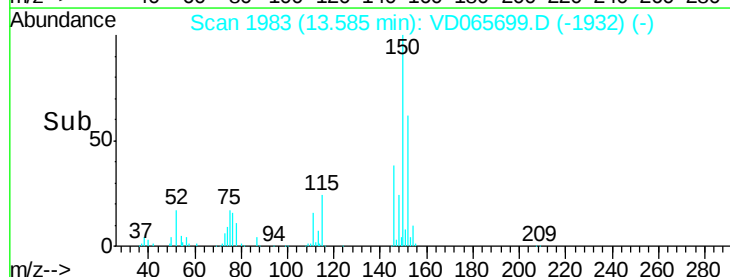
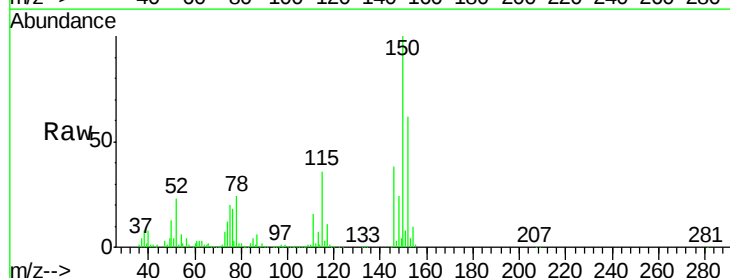
300000

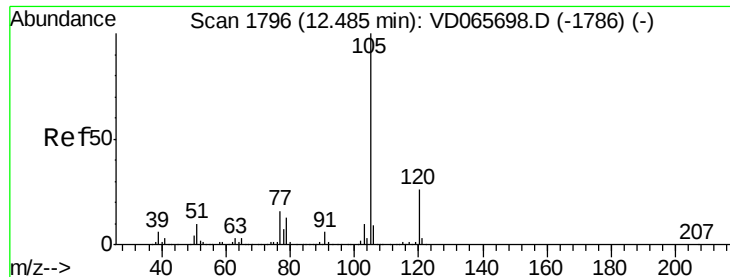
200000

100000

0

Time-->





#73

Isopropylbenzene

Concen: 92.655 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 2208920

Ion Ratio Lower Upper

105 100

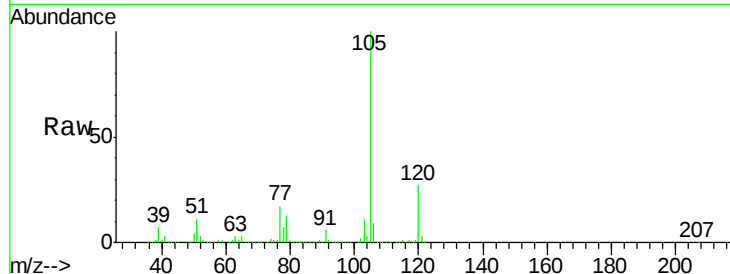
120 26.7 13.4 40.2

Manual Integrations

APPROVED

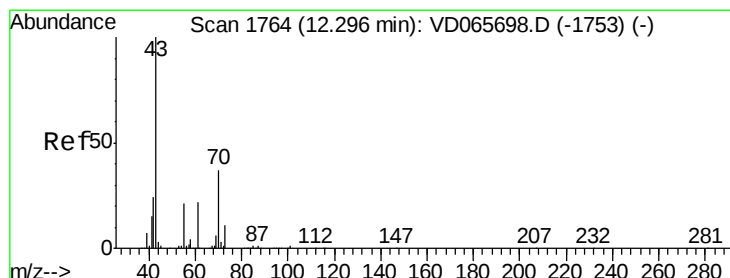
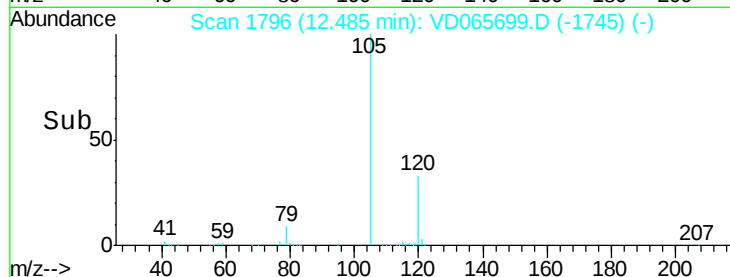
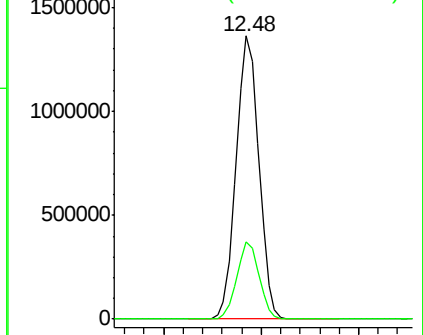
MMDadoda

5/7/2020 10:36:01 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 91.965 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion: 43 Resp: 631012

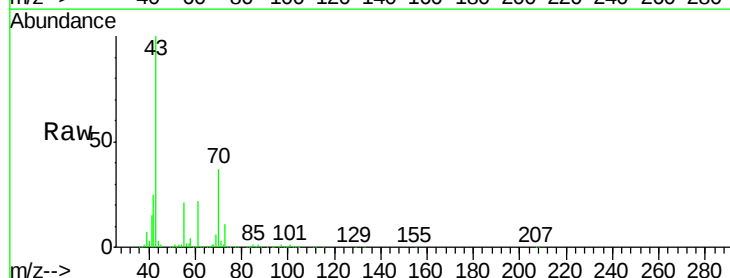
Ion Ratio Lower Upper

43 100

70 37.6 29.3 43.9

55 20.8 16.4 24.6

61 22.5 18.0 27.0

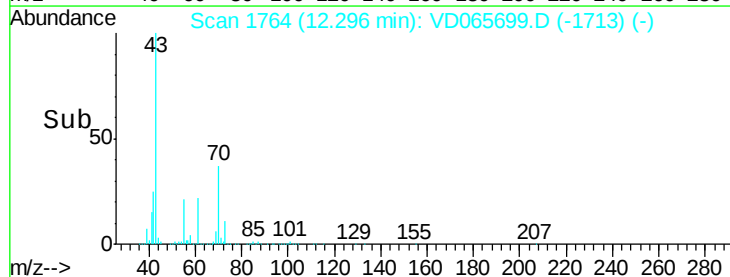
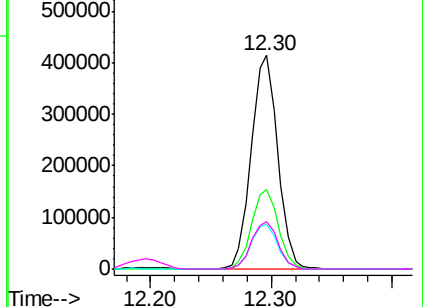


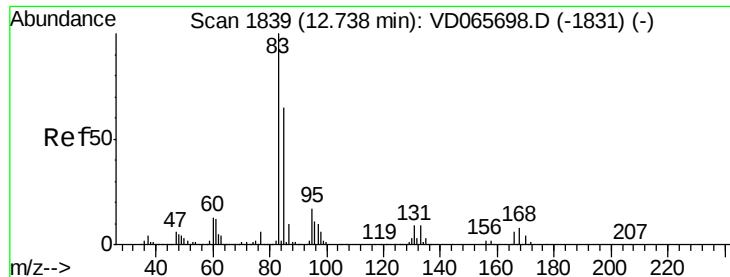
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 92.300 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

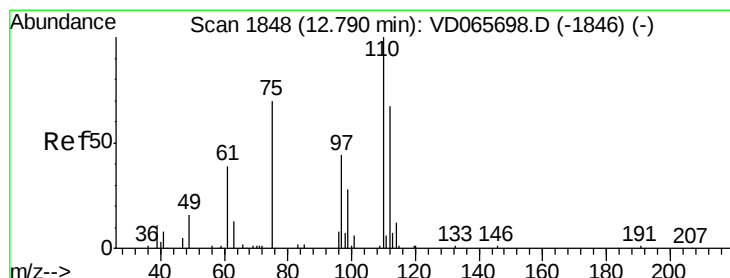
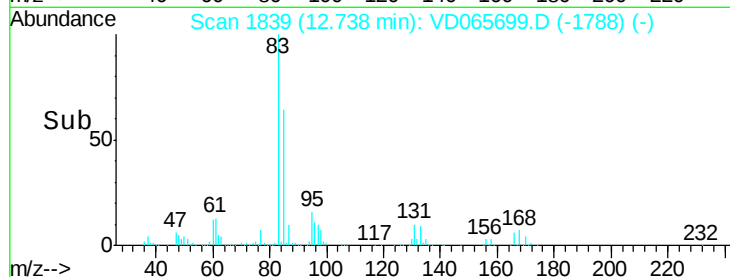
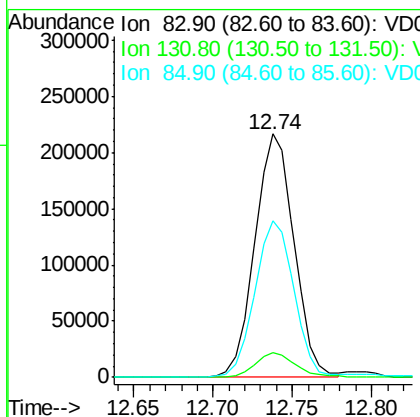
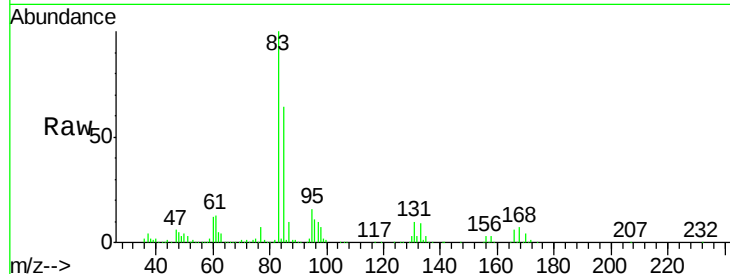
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	371741
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.7
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.138 ug/l m

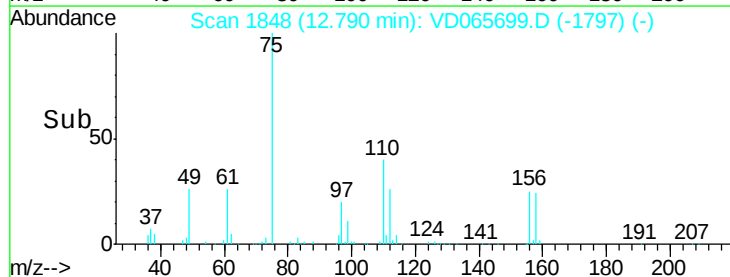
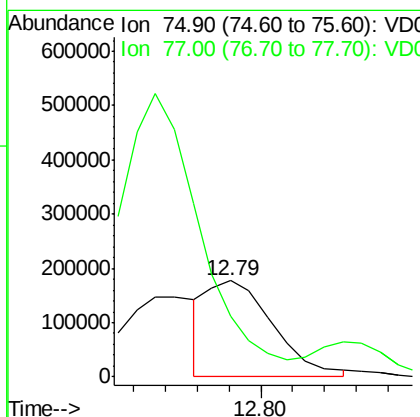
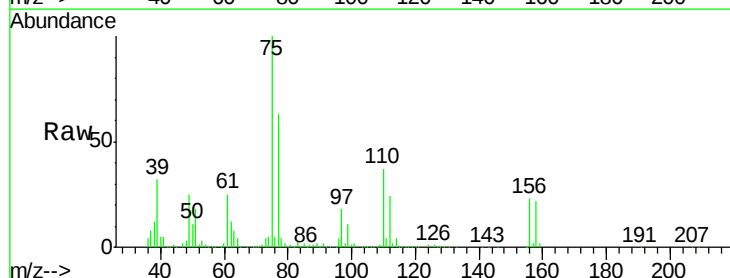
RT: 12.79 min Scan# 1848

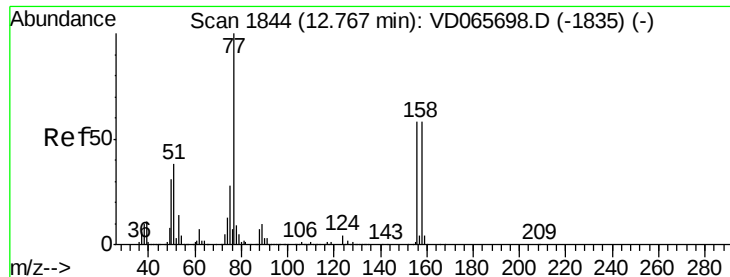
Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion:	75	Resp:	257312
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 94.081 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

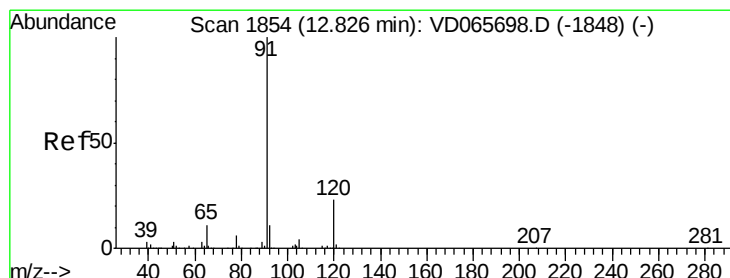
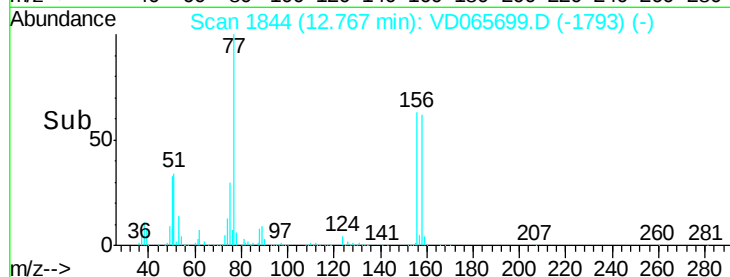
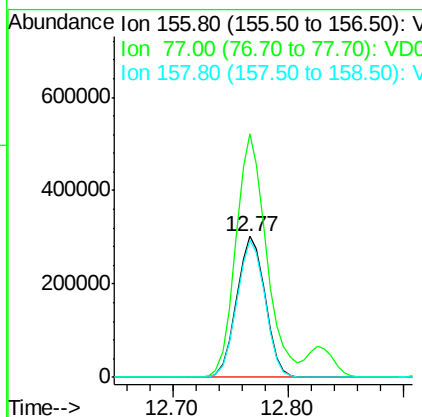
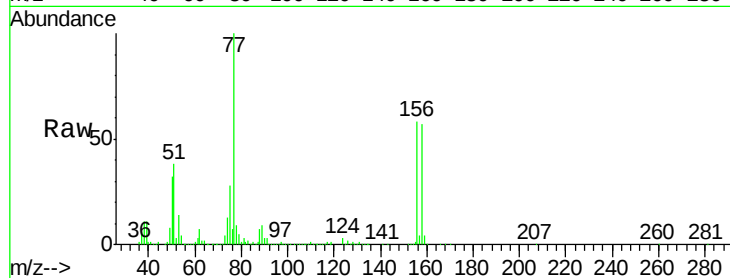
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	512387
Ion Ratio	Lower	Upper	
156	100		
77	186.4	92.9	278.7
158	96.9	48.9	146.7

Manual Integrations
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5/7/2020 10:36:01 AM



#78

n-propylbenzene

Concen: 94.327 ug/l

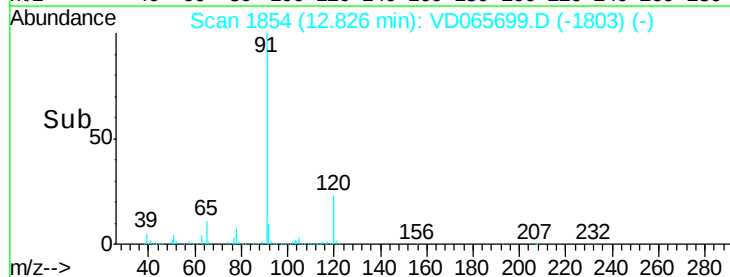
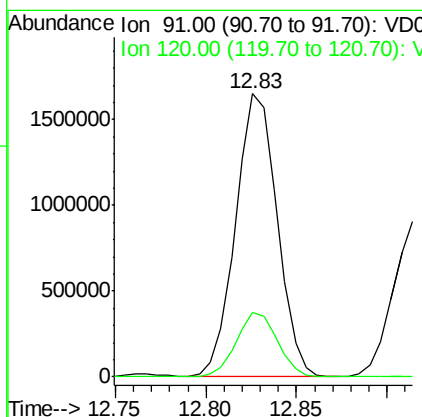
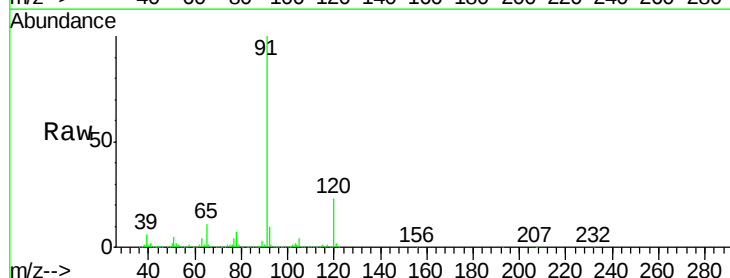
RT: 12.83 min Scan# 1854

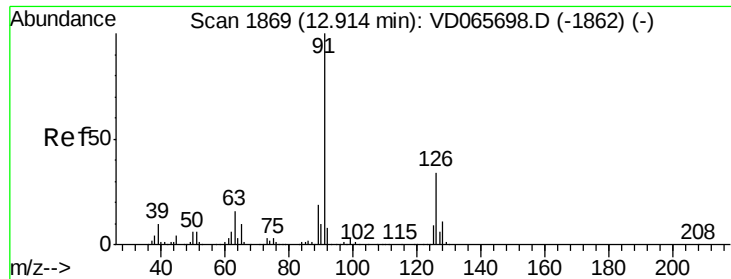
Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion:	91	Resp:	2637576
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.5	34.5





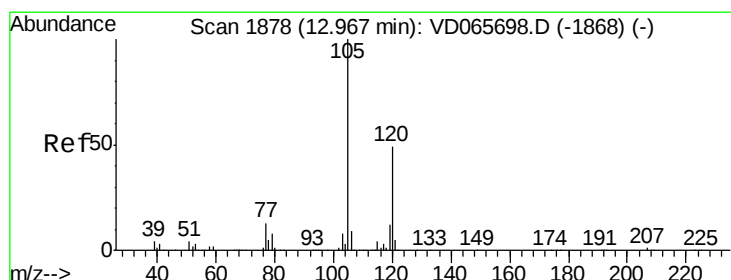
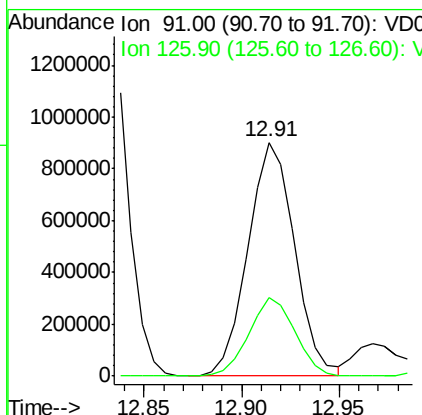
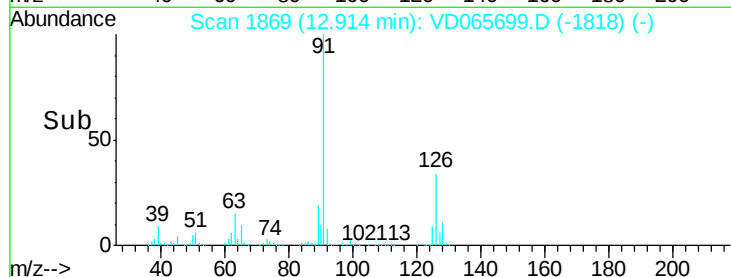
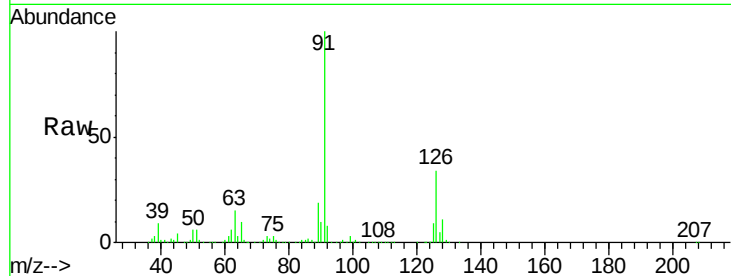
#79
2-Chlorotoluene
Concen: 94.657 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1491562
Ion Ratio Lower Upper
91 100
126 33.2 16.9 50.6

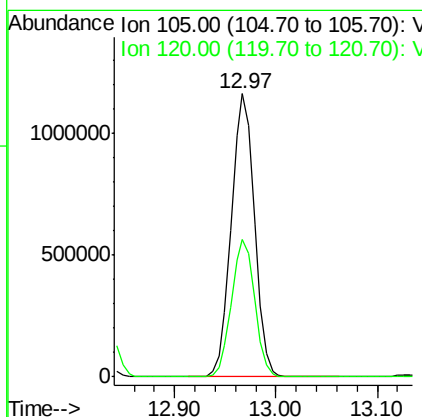
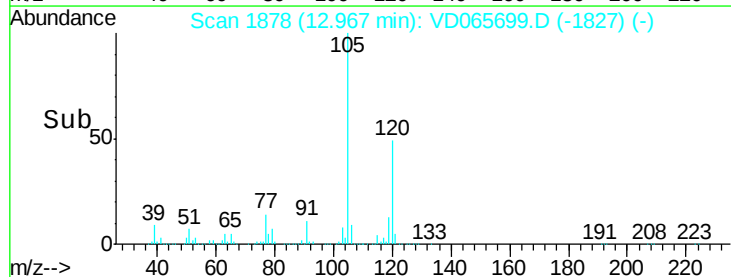
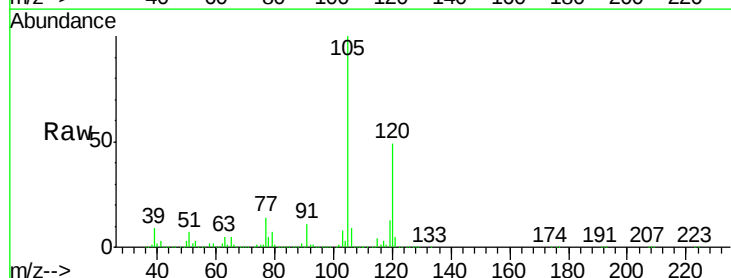
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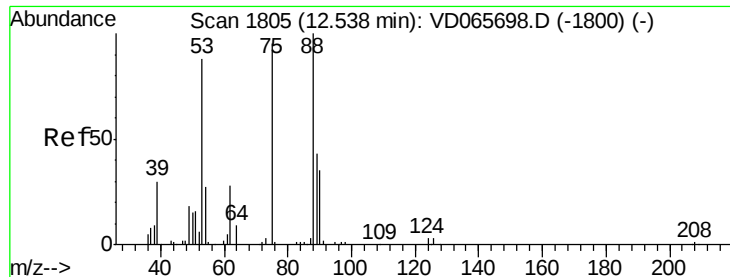
MMDadoda
5/7/2020 10:36:01 AM



#80
1,3,5-Trimethylbenzene
Concen: 94.658 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion: 105 Resp: 1844045
Ion Ratio Lower Upper
105 100
120 48.7 24.6 73.8





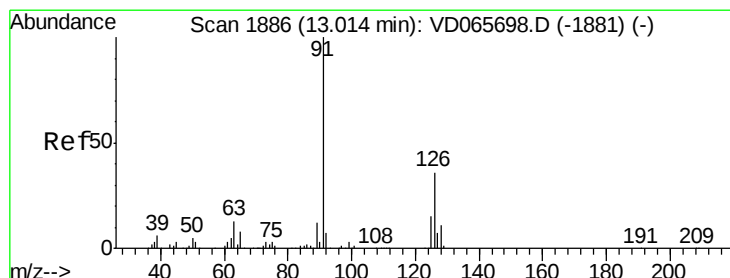
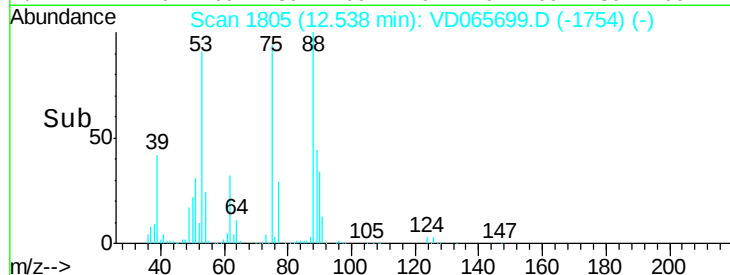
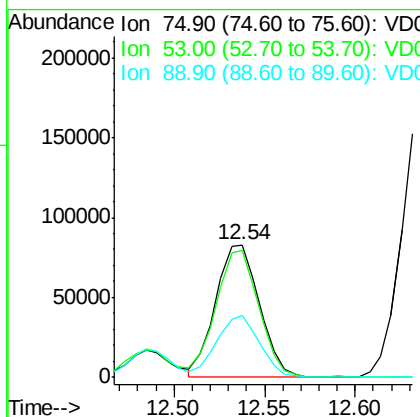
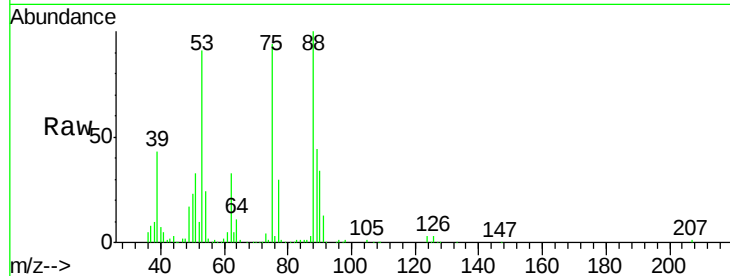
#81
trans-1,4-Dichloro-2-butene
Concen: 91.689 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.8	113.8
89	45.7	36.2	54.2

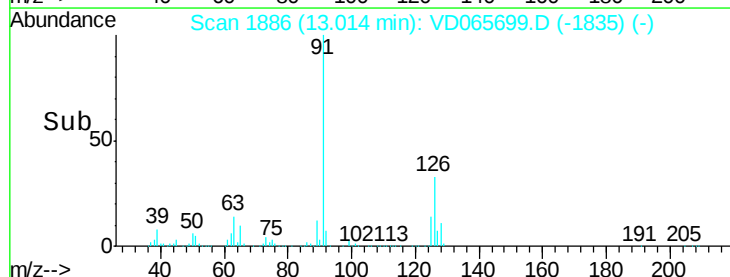
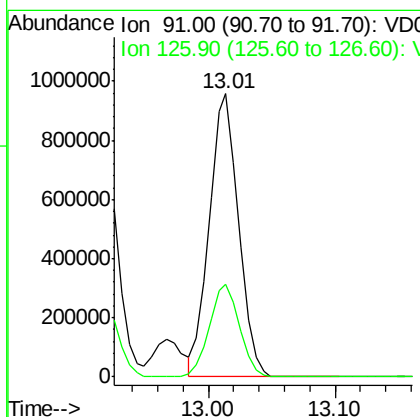
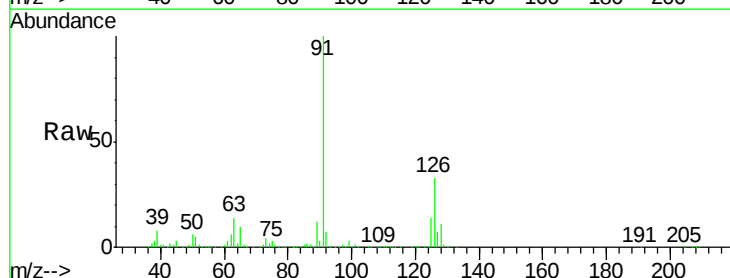
Manual Integrations
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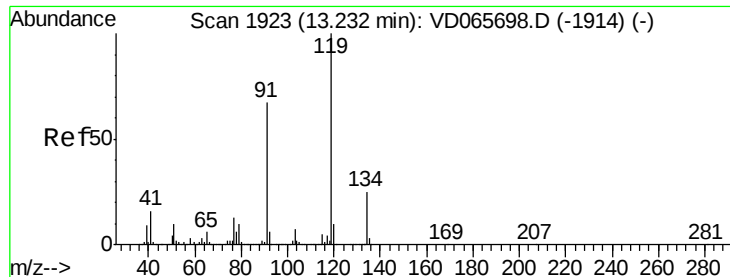
MMDadoda
5/7/2020 10:36:01 AM



#82
4-Chlorotoluene
Concen: 92.825 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.1	51.3





#83

tert-Butylbenzene

Concen: 93.447 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1553836

Ion Ratio Lower Upper

119 100

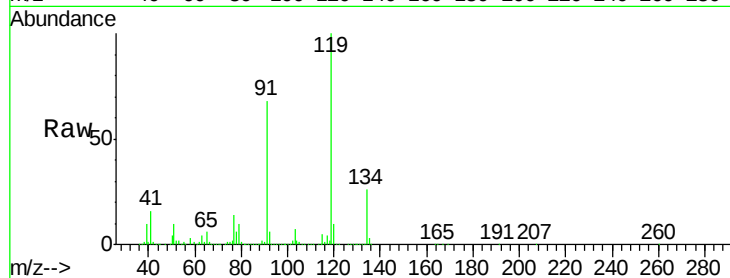
91 68.2 33.6 100.8

134 27.4 13.6 40.8

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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

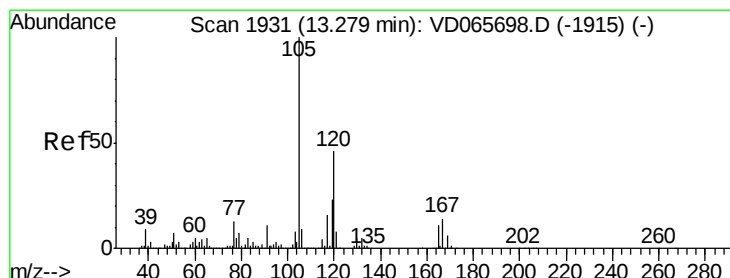
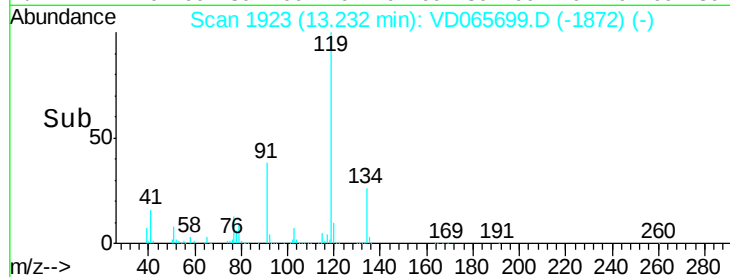
600000

400000

200000

0

13.15 13.20 13.25



#84

1,2,4-Trimethylbenzene

Concen: 93.846 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065699.D

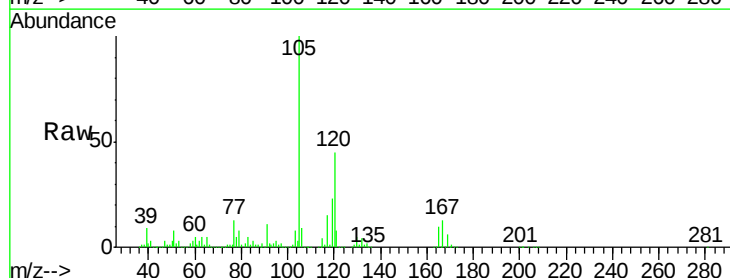
Acq: 06 May 2020 16:05

Tgt Ion:105 Resp: 1825127

Ion Ratio Lower Upper

105 100

120 45.0 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

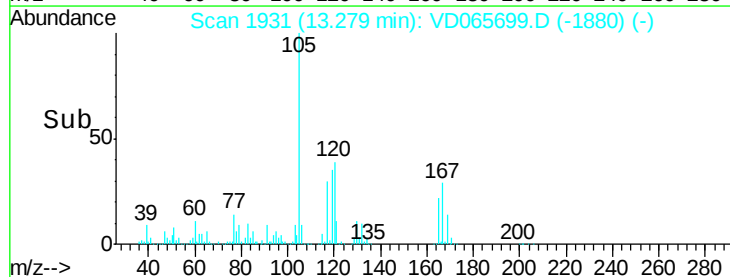
1500000

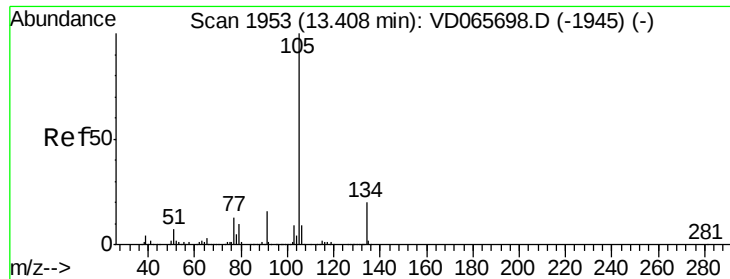
1000000

500000

0

13.20 13.30 13.40





#85

sec-Butylbenzene

Concen: 92.780 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2166373

Ion Ratio Lower Upper

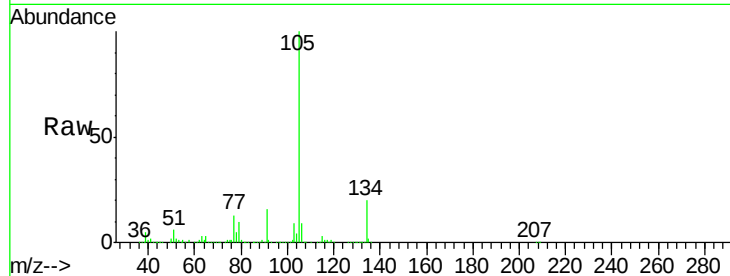
105 100

134 20.6 10.3 30.8

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

Ion 134.00 (133.70 to 134.70): V

13.41

1500000

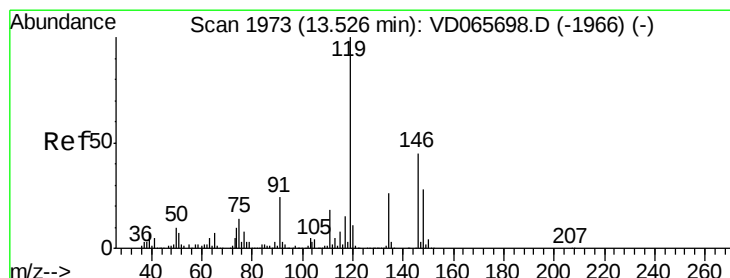
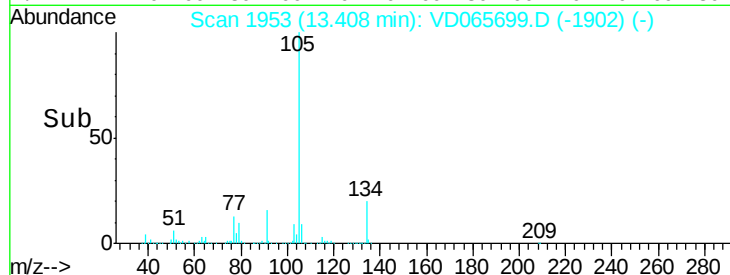
1000000

500000

0

13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 93.603 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

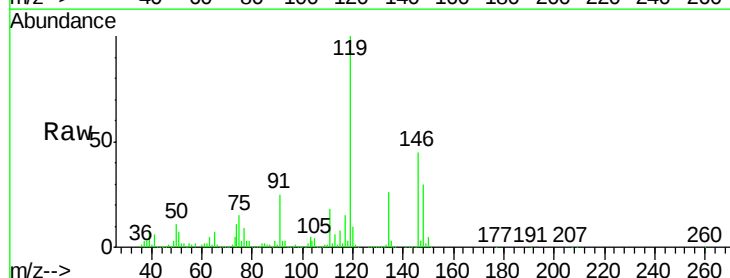
Tgt Ion:119 Resp: 1989999

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.6

91 24.5 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

1500000

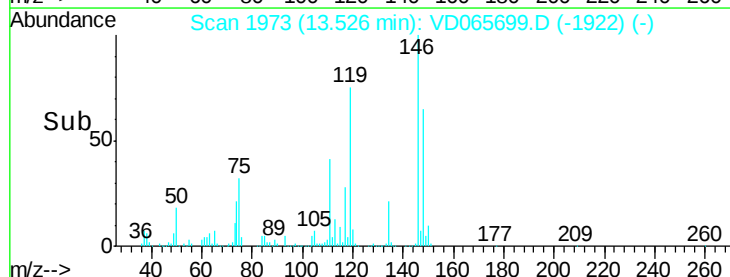
1000000

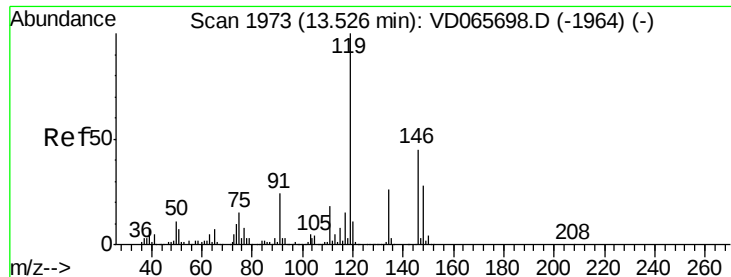
500000

0

13.40 13.50 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 92.576 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

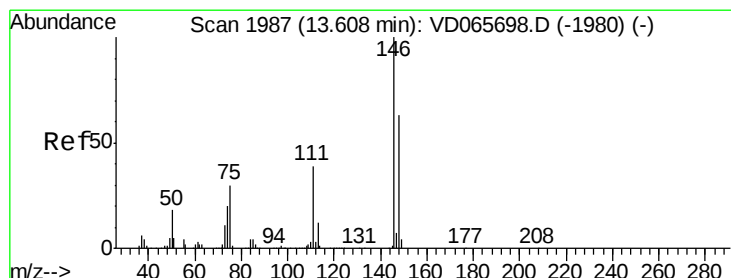
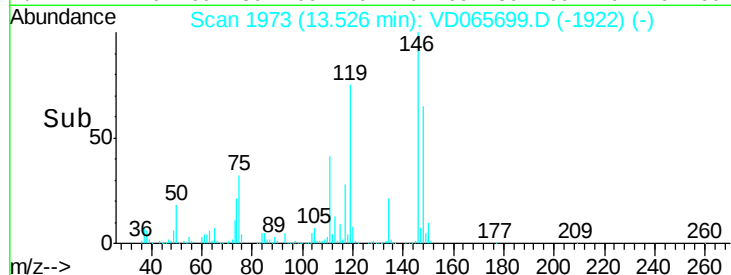
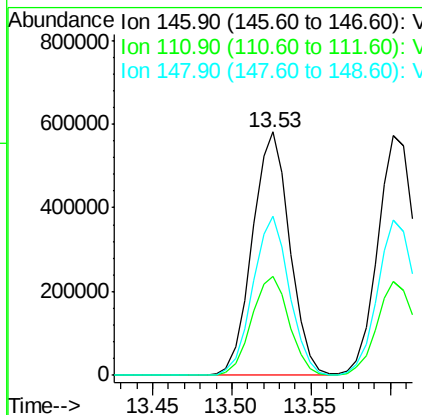
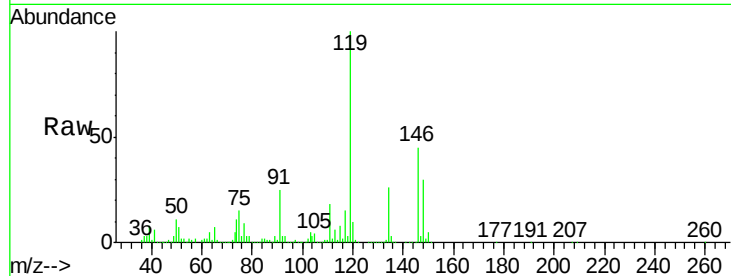
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	952291
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.6	58.8
148	63.8	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 93.409 ug/l

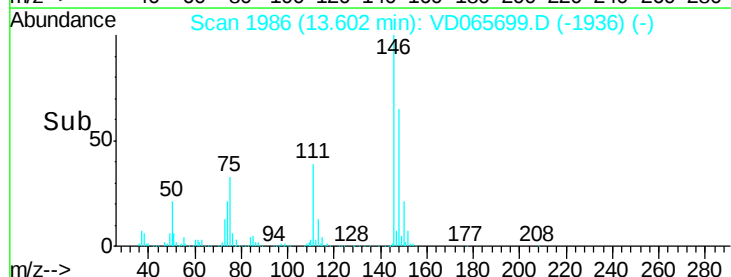
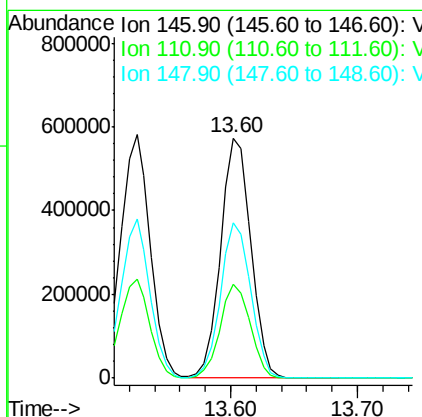
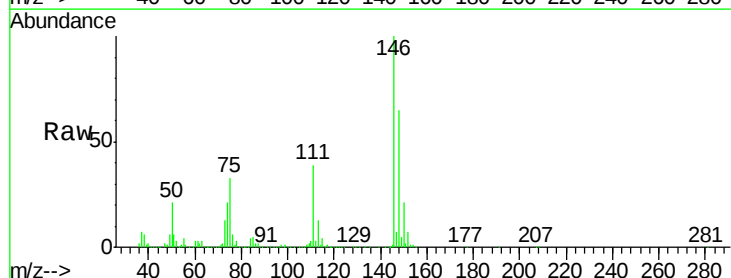
RT: 13.60 min Scan# 1986

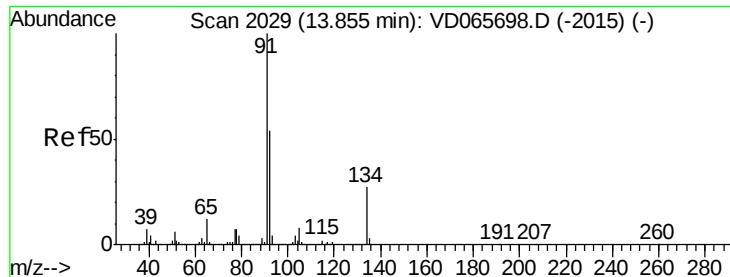
Delta R.T. -0.01 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Tgt Ion:	146	Resp:	946789
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.6	58.7
148	64.5	31.9	95.5





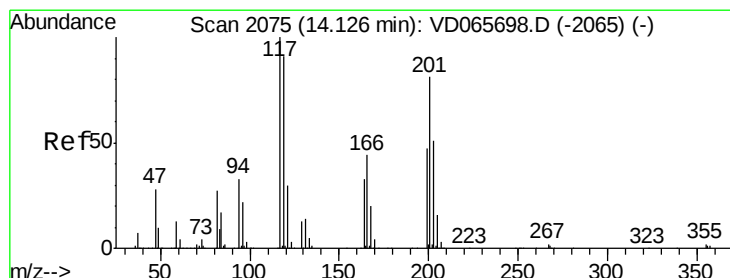
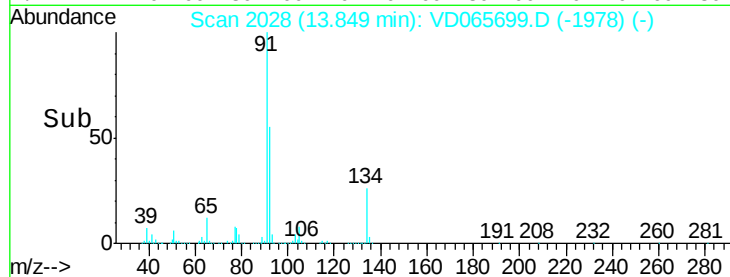
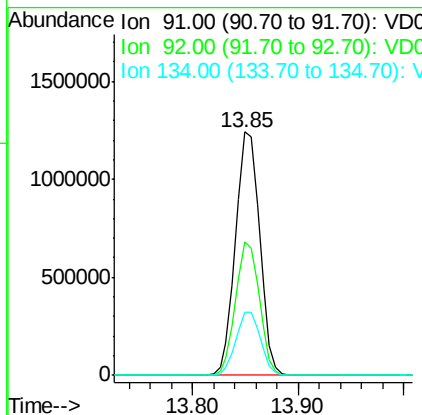
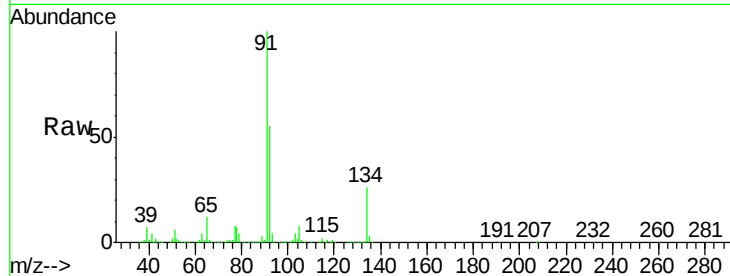
#89
n-Butylbenzene
Concen: 95.265 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.4	82.0
134	26.2	13.3	39.8

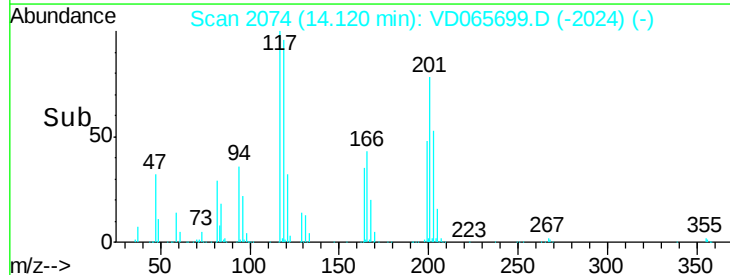
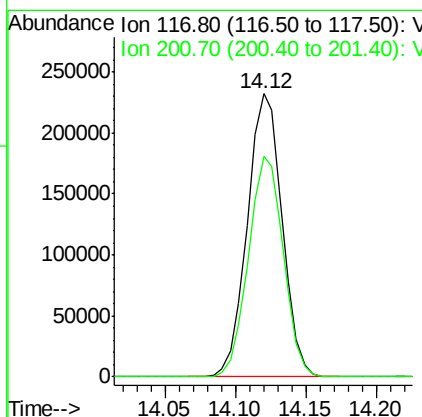
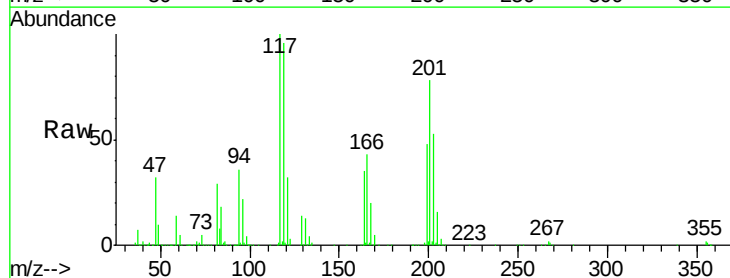
Manual Integrations
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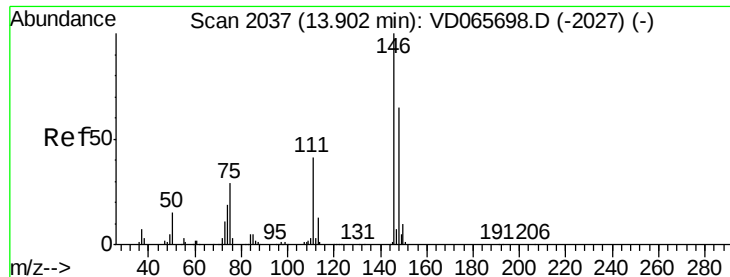
MMDadoda
5/7/2020 10:36:01 AM



#90
Hexachloroethane
Concen: 95.520 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065699.D
Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.0	39.1	117.2





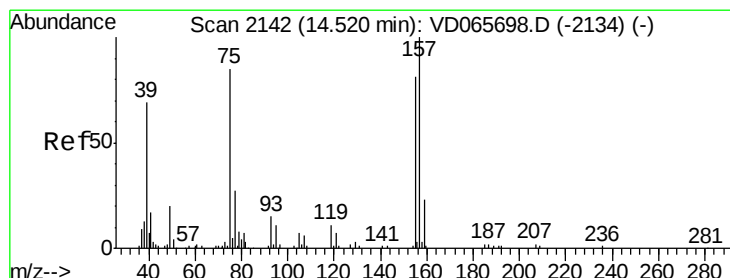
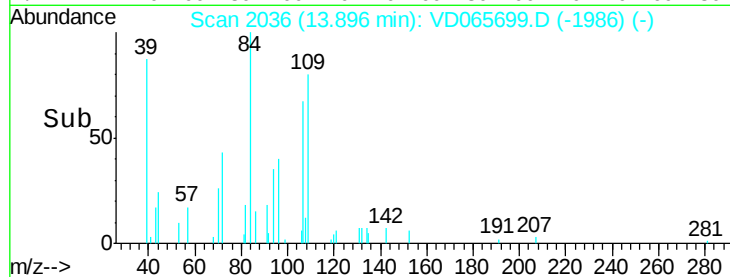
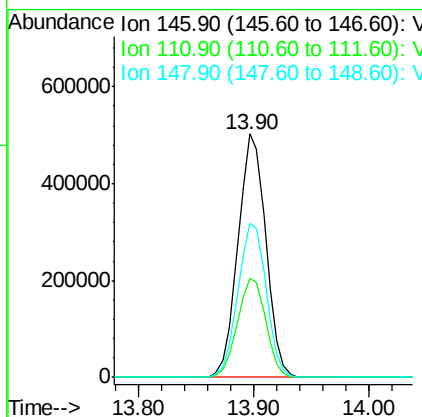
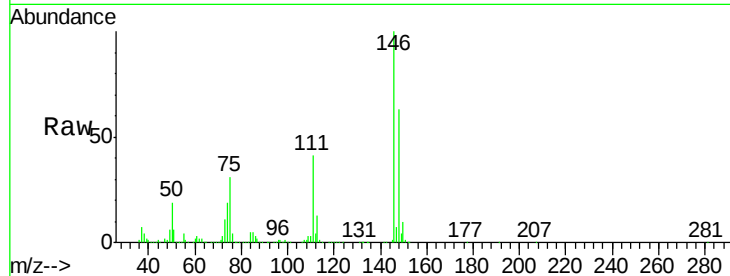
#91
 1,2-Dichlorobenzene
 Concen: 95.136 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	839333		
111	41.4	20.3	61.0	
148	64.4	31.9	95.9	

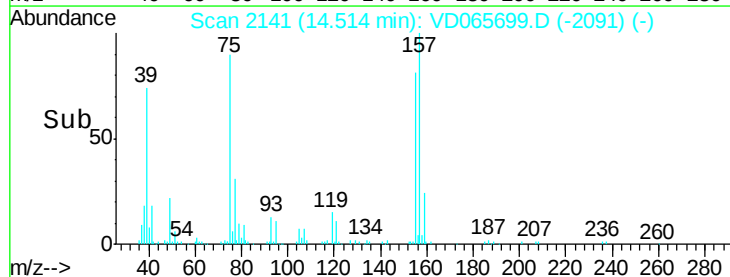
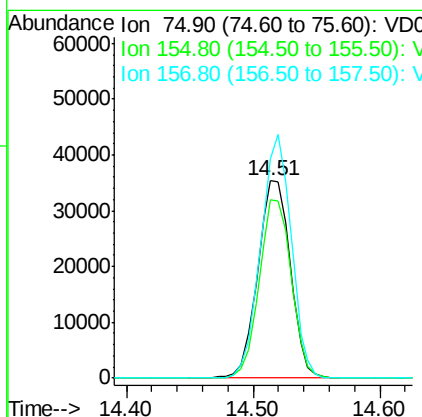
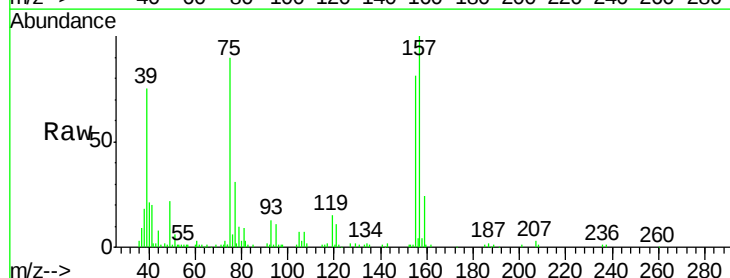
Manual Integrations
 APPROVED

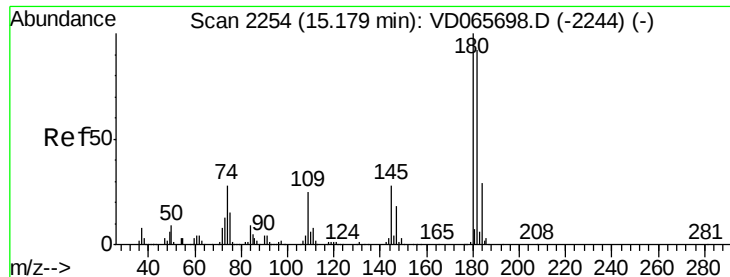
MMDadoda
 5/7/2020 10:36:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 94.988 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63616		
155	88.7	43.5	130.5	
157	115.1	54.5	163.6	





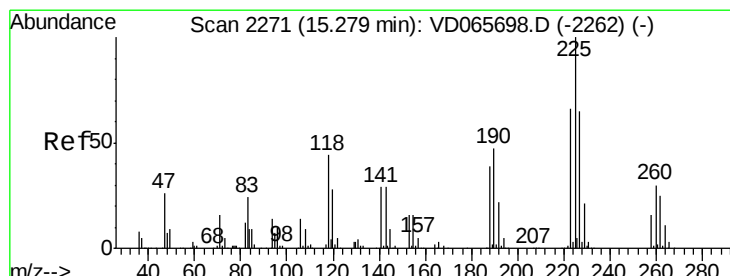
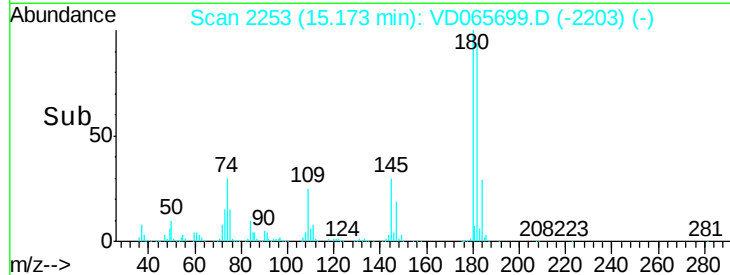
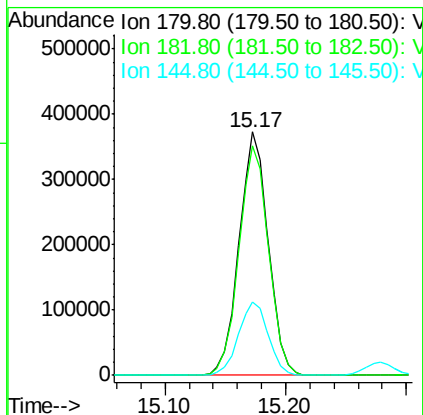
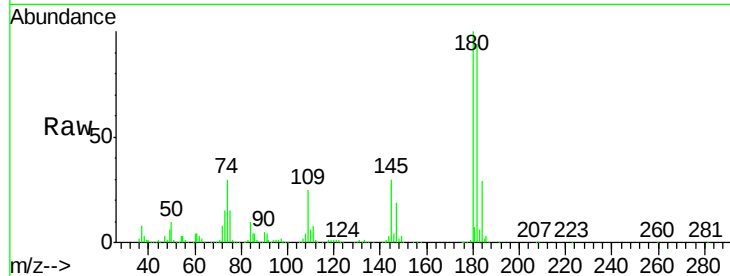
#93
 1,2,4-Trichlorobenzene
 Concen: 93.615 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	623894		
182	96.1	47.0	141.0	
145	31.1	14.8	44.3	

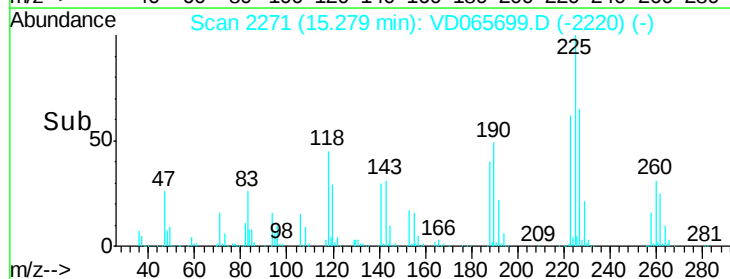
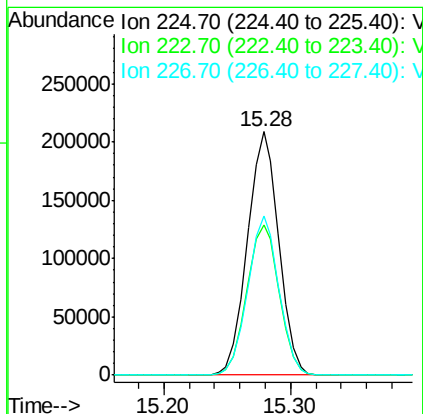
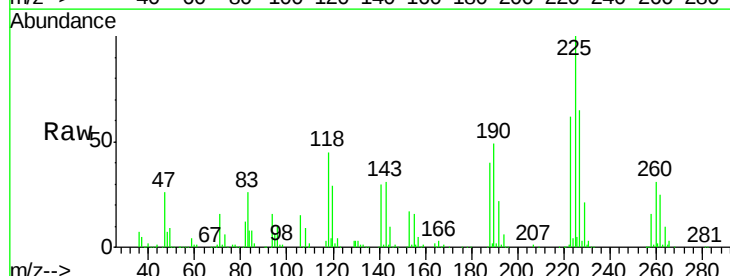
Manual Integrations
 APPROVED

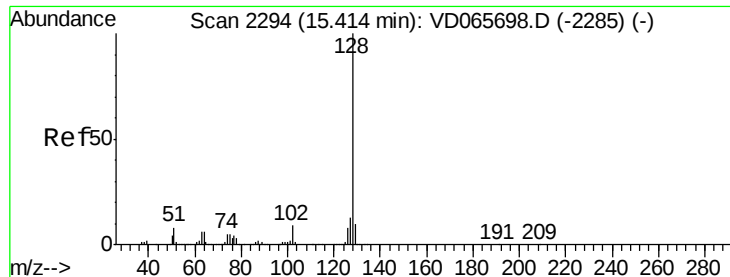
MMDadoda
 5/7/2020 10:36:01 AM



#94
 Hexachlorobutadiene
 Concen: 93.641 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065699.D
 Acq: 06 May 2020 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	359434		
223	63.4	31.8	95.3	
227	64.7	31.6	94.8	





#95

Naphthalene

Concen: 94.150 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1102399

Ion Ratio Lower Upper

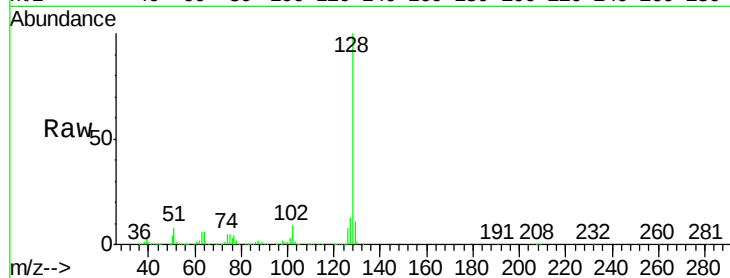
128 100

127 13.1 10.4 15.6

129 11.0 9.0 13.4

Manual Integrations
APPROVED

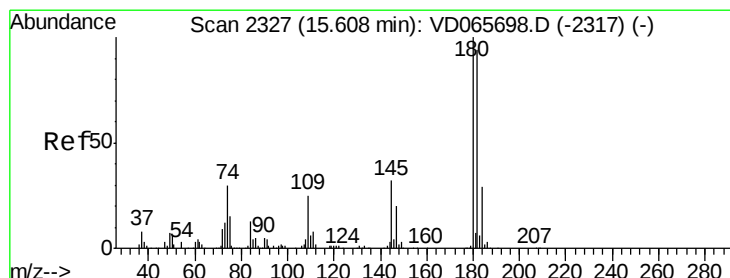
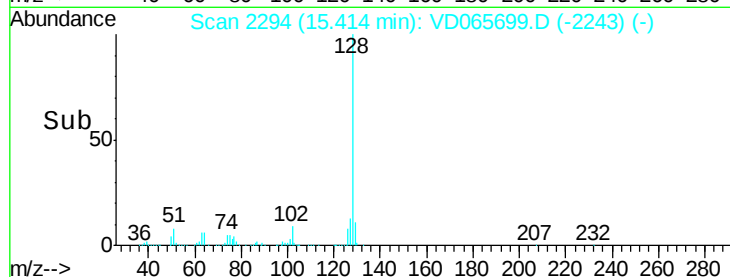
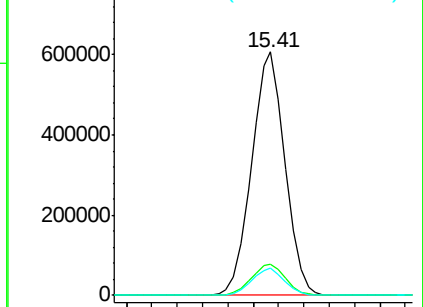
MMDadoda
5/7/2020 10:36:01 AM



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: 95.660 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065699.D

Acq: 06 May 2020 16:05

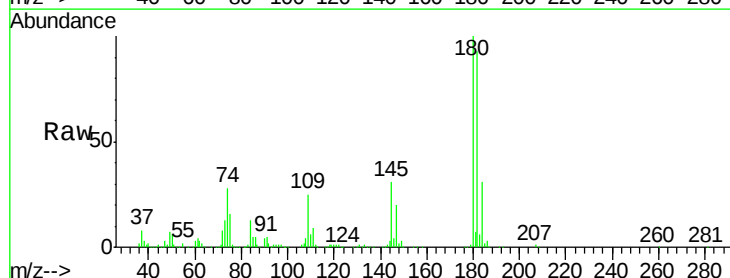
Tgt Ion:180 Resp: 538961

Ion Ratio Lower Upper

180 100

182 93.6 46.9 140.6

145 31.9 16.0 47.9



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

