

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067384.D
 Acq On : 26 Oct 2020 11:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 11:45:38 AM

Quant Time: Oct 27 01:04:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	324181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	414856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	141982	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	
35) Dibromofluoromethane	7.91	113	150905	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	10.34	98	547566	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.64	95	188160	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	120707	46.041	ug/l	96
3) Chloromethane	2.21	50	82547	40.460	ug/l	99
4) Vinyl Chloride	2.35	62	98199	43.867	ug/l	99
5) Bromomethane	2.77	94	77209	49.542	ug/l	96
6) Chloroethane	2.92	64	63019	45.203	ug/l	99
7) Trichlorofluoromethane	3.27	101	282693	50.150	ug/l	100
8) Diethyl Ether	3.71	74	57646	44.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	149821	50.026	ug/l	99
10) Methyl Iodide	4.30	142	147192	53.279	ug/l	99
11) Tert butyl alcohol	5.21	59	33750	188.693	ug/l	99
12) 1,1-Dichloroethene	4.07	96	132023	49.345	ug/l	93
13) Acrolein	3.92	56	38956	204.965	ug/l	96
14) Allyl chloride	4.71	41	144221	47.070	ug/l	96
15) Acrylonitrile	5.42	53	96043	223.151	ug/l	98
16) Acetone	4.16	43	110911	243.838	ug/l	100
17) Carbon Disulfide	4.41	76	334618	43.871	ug/l	98
18) Methyl Acetate	4.72	43	45245	43.611	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	250125	47.016	ug/l	99
20) Methylene Chloride	4.97	84	138082	47.135	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	147400	47.874	ug/l	98
22) Diisopropyl ether	6.37	45	269523	48.154	ug/l	97
23) Vinyl Acetate	6.31	43	772232	242.510	ug/l	98
24) 1,1-Dichloroethane	6.27	63	235348	49.121	ug/l	97
25) 2-Butanone	7.21	43	118178	227.927	ug/l	96
26) 2,2-Dichloropropane	7.21	77	261727	52.998	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	165512	49.049	ug/l	97
28) Bromochloromethane	7.55	49	73434	44.935	ug/l #	95
29) Tetrahydrofuran	7.57	42	65604	227.620	ug/l	94
30) Chloroform	7.71	83	285167	49.823	ug/l	93
31) Cyclohexane	7.99	56	172013	45.983	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	288237	51.326	ug/l	99
36) 1,1-Dichloropropene	8.11	75	209813	53.976	ug/l	99
37) Ethyl Acetate	7.29	43	55483	48.514	ug/l	95
38) Carbon Tetrachloride	8.10	117	281382	56.638	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216322	53.233	ug/l	97
40) Benzene	8.36	78	554128	51.963	ug/l	98
41) Methacrylonitrile	7.52	41	32586m	52.727	ug/l	
42) 1,2-Dichloroethane	8.43	62	162849	48.798	ug/l	99
43) Isopropyl Acetate	8.46	43	108590	47.851	ug/l	99
44) Trichloroethene	9.11	130	177081	51.864	ug/l	100
45) 1,2-Dichloropropane	9.39	63	122076	49.395	ug/l	98
46) Dibromomethane	9.48	93	73502	47.734	ug/l	98
47) Bromodichloromethane	9.67	83	210730	51.079	ug/l	99
48) Methyl methacrylate	9.46	41	53003	48.062	ug/l	93
49) 1,4-Dioxane	9.46	88	15825	1063.920	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	268649	237.350	ug/l	99
52) Toluene	10.41	92	384386	52.923	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	185265	51.120	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	213689	50.383	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	104755	49.889	ug/l	97
56) Ethyl methacrylate	10.67	69	105463	48.429	ug/l	96
57) 1,3-Dichloropropane	10.95	76	166032	49.686	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	266099	238.194	ug/l	97
59) 2-Hexanone	10.99	43	190429	246.211	ug/l	97
60) Dibromochloromethane	11.14	129	152868	49.921	ug/l	99
61) 1,2-Dibromoethane	11.25	107	99626	48.127	ug/l	98
64) Tetrachloroethene	10.88	164	155988	51.896	ug/l	95
65) Chlorobenzene	11.67	112	424617	53.375	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	168208	53.200	ug/l	100
67) Ethyl Benzene	11.75	91	759841	55.719	ug/l	100
68) m/p-Xylenes	11.86	106	584449	111.295	ug/l	98
69) o-Xylene	12.18	106	264159	54.322	ug/l	97
70) Styrene	12.20	104	453691	54.198	ug/l	99
71) Bromoform	12.37	173	85332	50.237	ug/l #	99
73) Isopropylbenzene	12.48	105	762185	58.235	ug/l	100
74) N-amyl acetate	12.29	43	98159	49.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98021	48.879	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	75101m	52.544	ug/l	
77) Bromobenzene	12.77	156	176996	54.243	ug/l	97
78) n-propylbenzene	12.83	91	877688	57.879	ug/l	99
79) 2-Chlorotoluene	12.91	91	485647	55.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	655545	57.638	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31646	50.209	ug/l	96
82) 4-Chlorotoluene	13.01	91	519678	55.678	ug/l	98
83) tert-Butylbenzene	13.23	119	575035	59.854	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	642730	57.176	ug/l	99
85) sec-Butylbenzene	13.41	105	769976	58.408	ug/l	100
86) p-Isopropyltoluene	13.52	119	724627	58.237	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	339632	54.077	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	335554	53.926	ug/l	99
89) n-Butylbenzene	13.85	91	641643	58.617	ug/l	99
90) Hexachloroethane	14.12	117	122688	56.504	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	286296	52.181	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17180	47.156	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	210159	56.812	ug/l	97
94) Hexachlorobutadiene	15.27	225	134418	58.515	ug/l	98
95) Naphthalene	15.41	128	321594	52.951	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	171003	53.509	ug/l	98

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

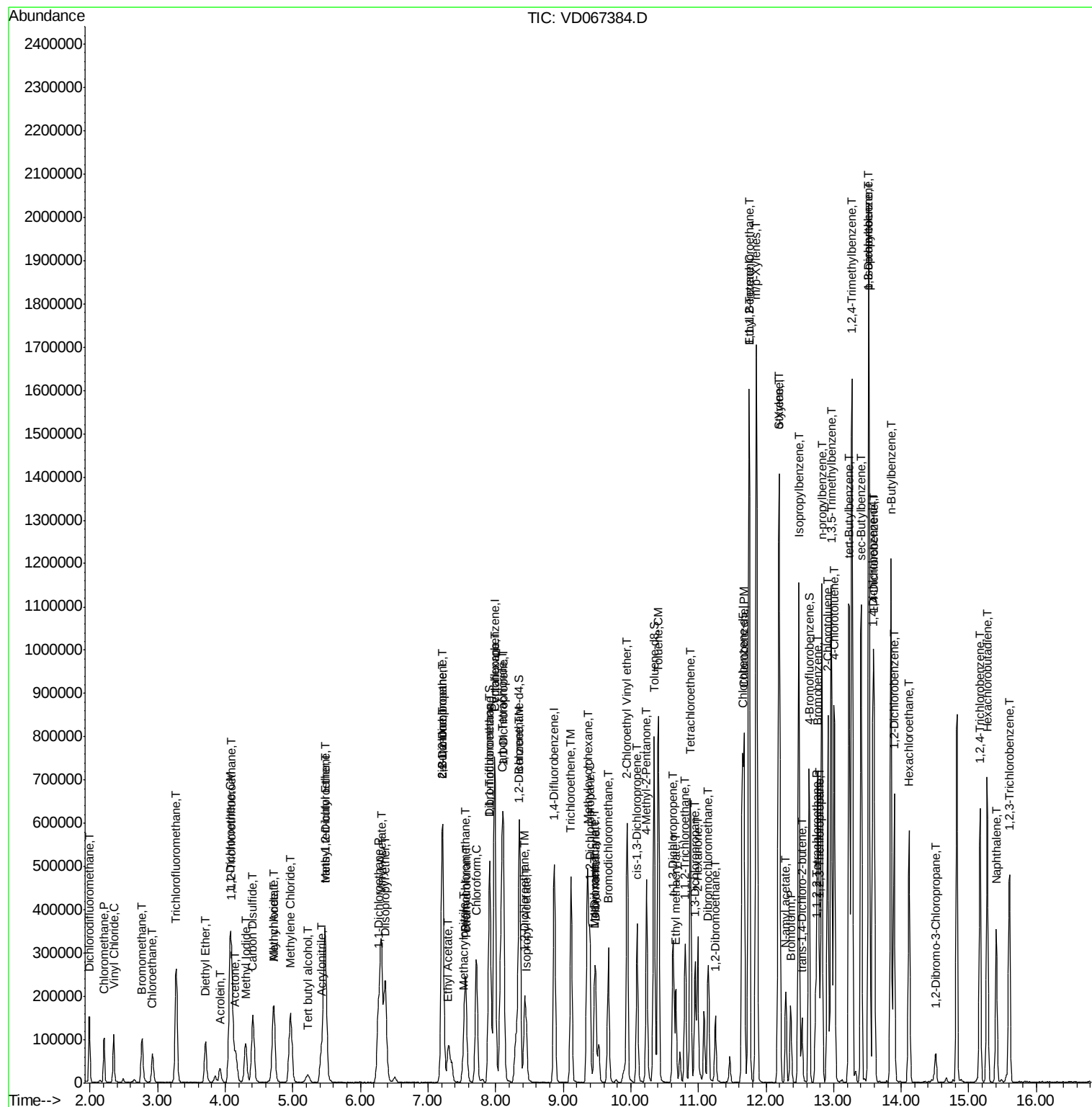
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Operator : VA/SY
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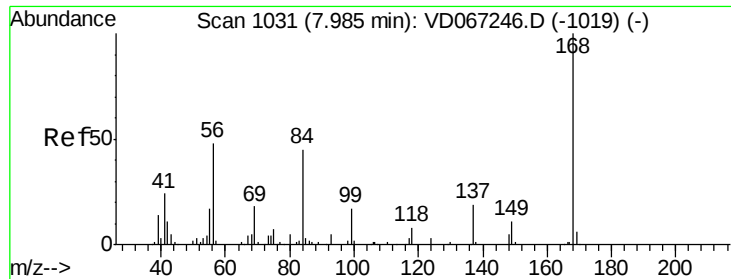
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 324181

Ion Ratio Lower Upper

168 100

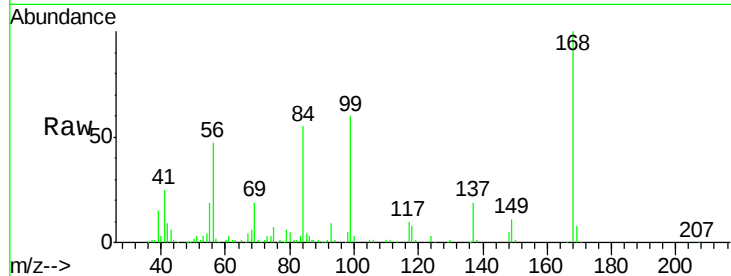
99 59.9 45.9 68.9

Manual Integrations

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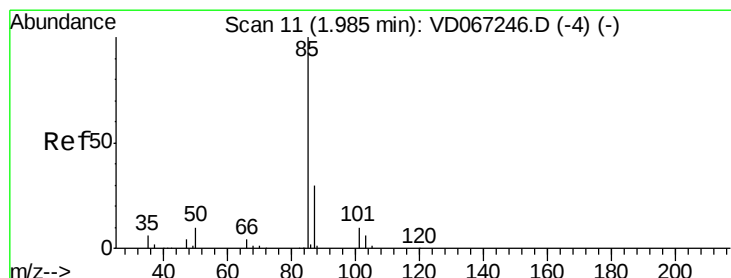
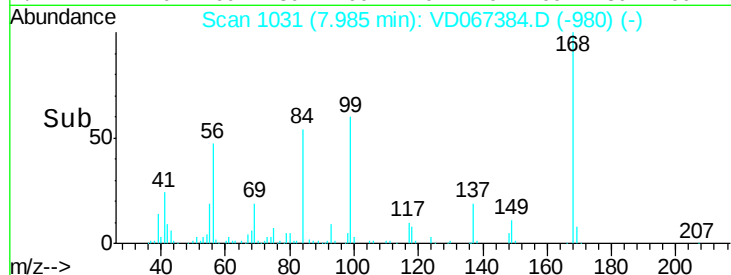
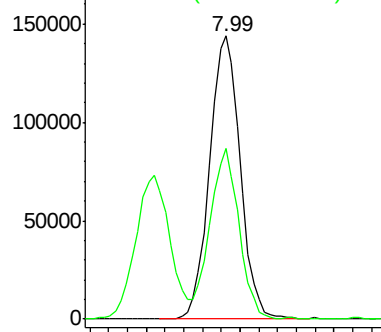
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10/27/2020 11:45:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.041 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067384.D

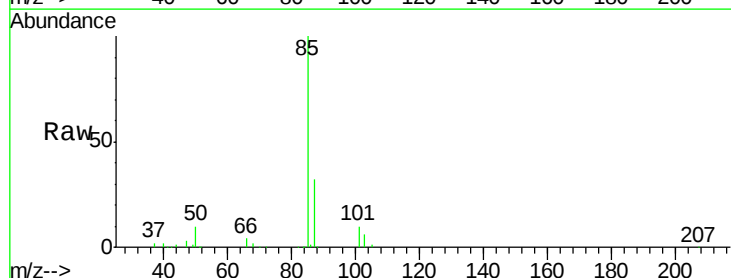
Acq: 26 Oct 2020 11:20

Tgt Ion: 85 Resp: 120707

Ion Ratio Lower Upper

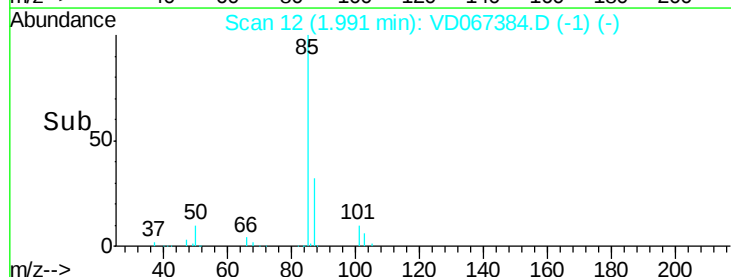
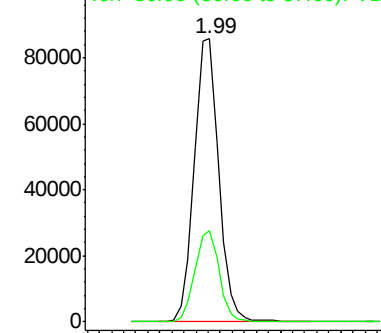
85 100

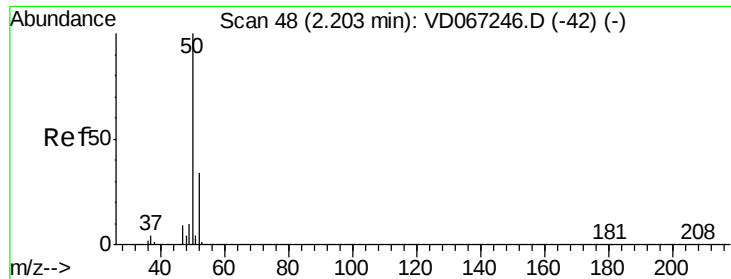
87 32.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.460 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 82547

Ion Ratio Lower Upper

50 100

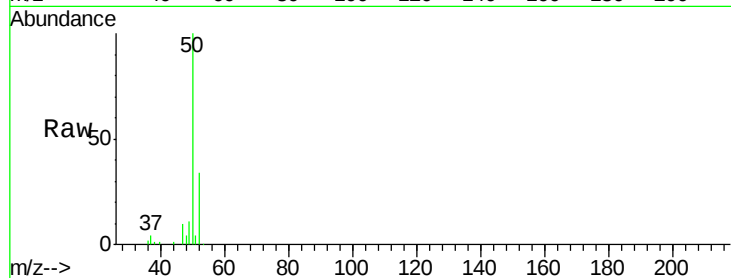
52 34.4 27.1 40.7

Manual Integrations

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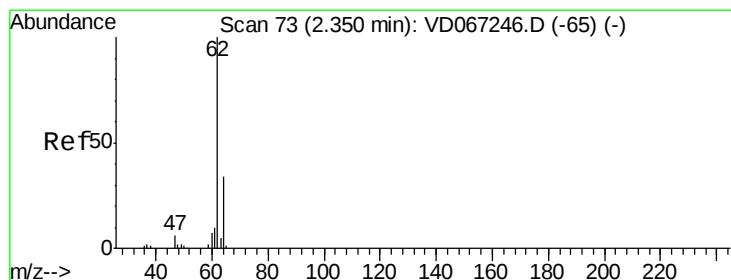
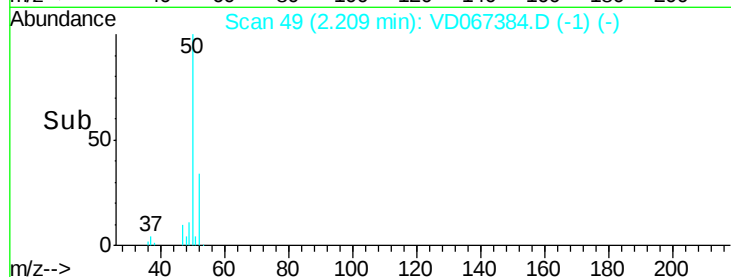
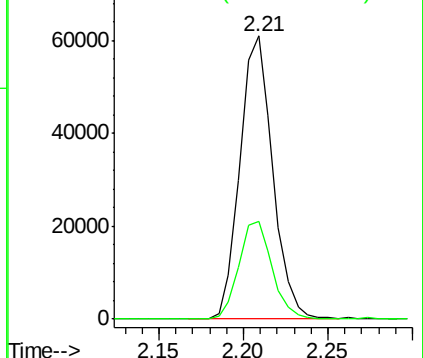
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.867 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067384.D

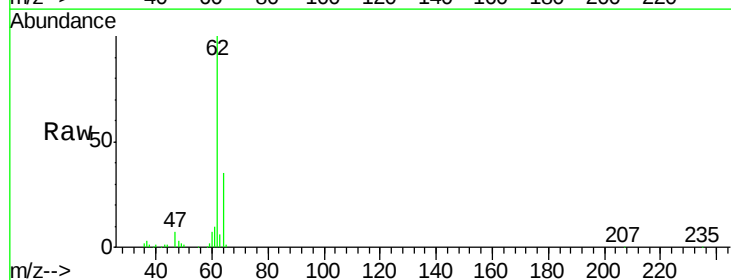
Acq: 26 Oct 2020 11:20

Tgt Ion: 62 Resp: 98199

Ion Ratio Lower Upper

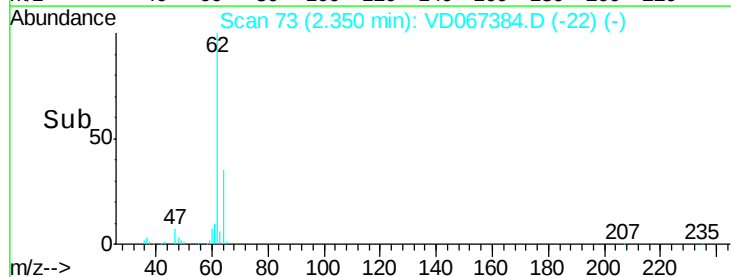
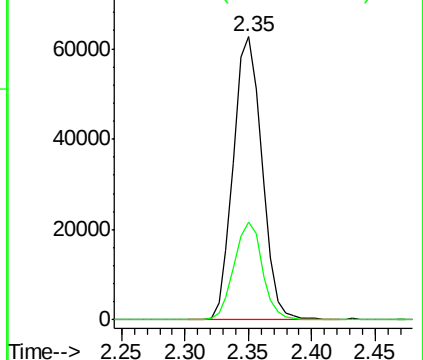
62 100

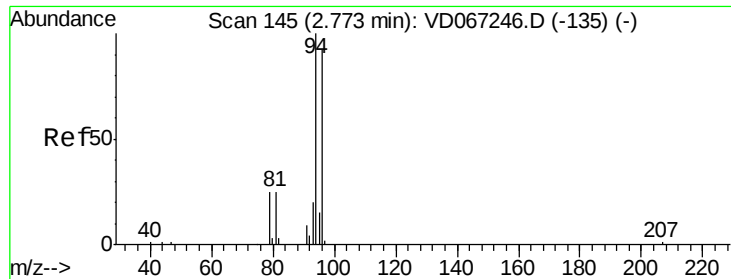
64 34.7 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.542 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77209

Ion Ratio Lower Upper

94 100

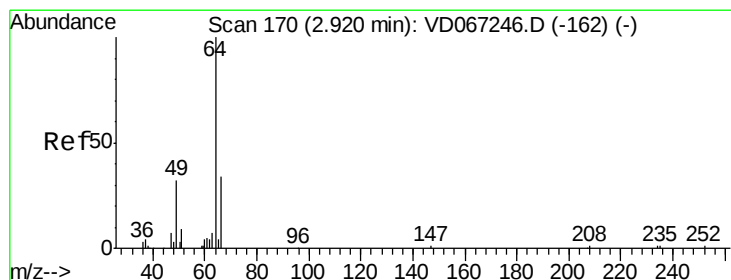
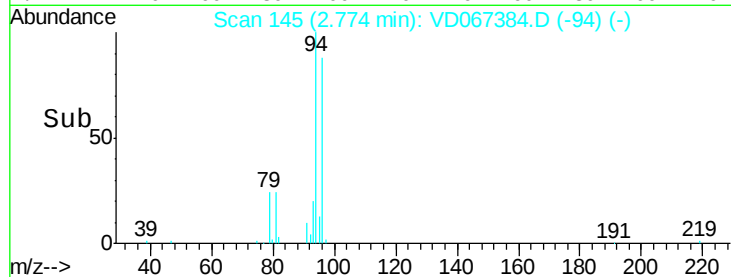
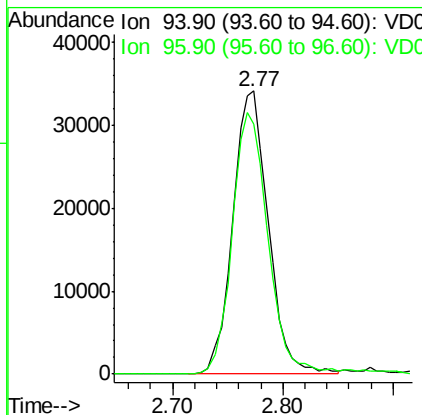
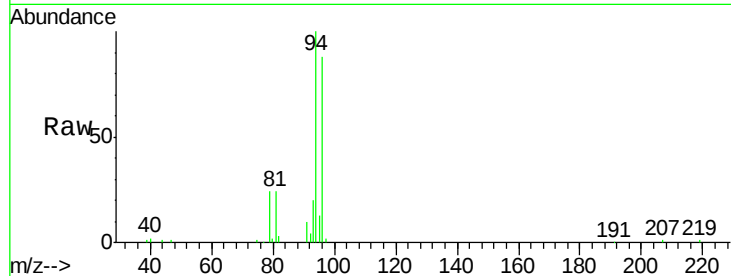
96 88.5 73.8 110.6

Manual Integrations

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10/27/2020 11:45:38 AM



#6

Chloroethane

Concen: 45.203 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067384.D

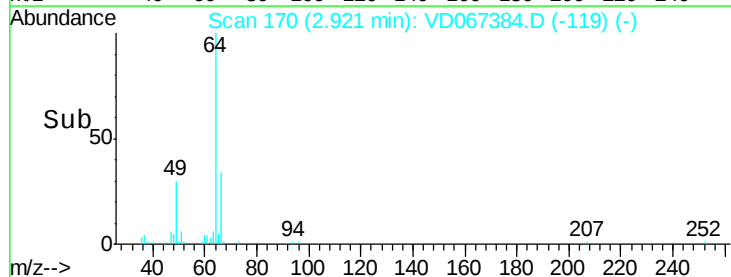
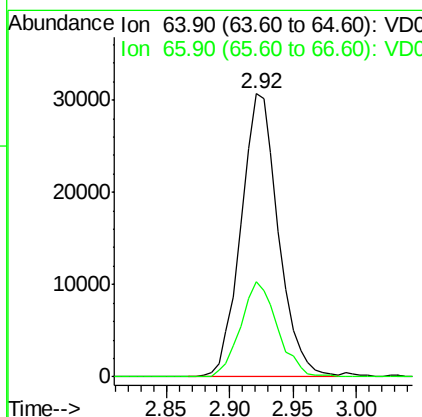
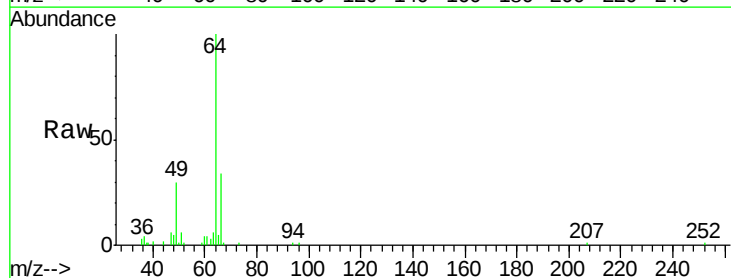
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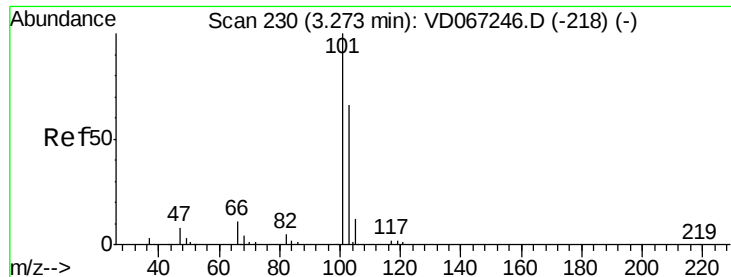
Tgt Ion: 64 Resp: 63019

Ion Ratio Lower Upper

64 100

66 33.5 27.4 41.0





#7

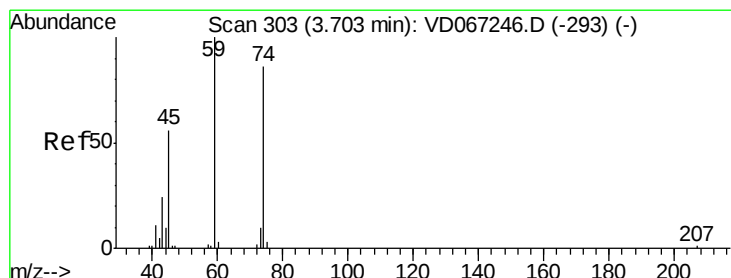
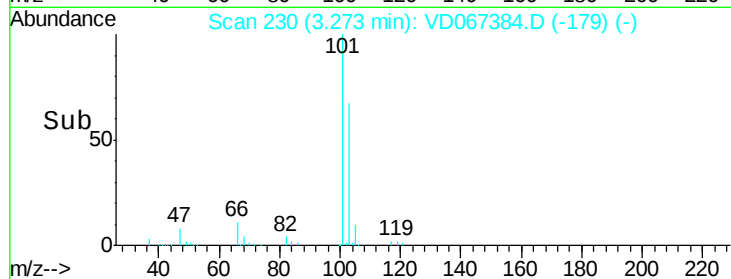
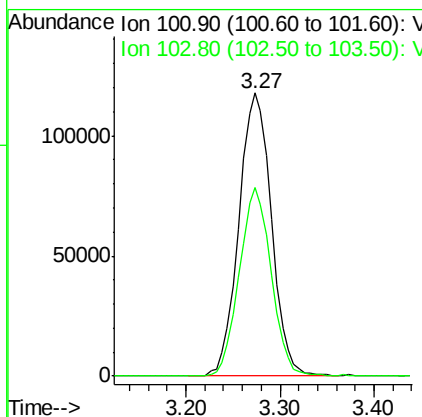
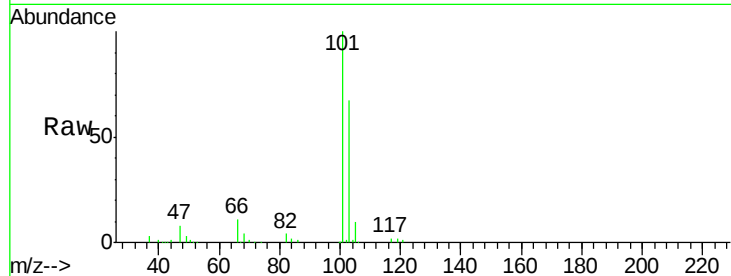
Trichlorofluoromethane
Concen: 50.150 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	282693		
103	66.7	53.1	79.7	

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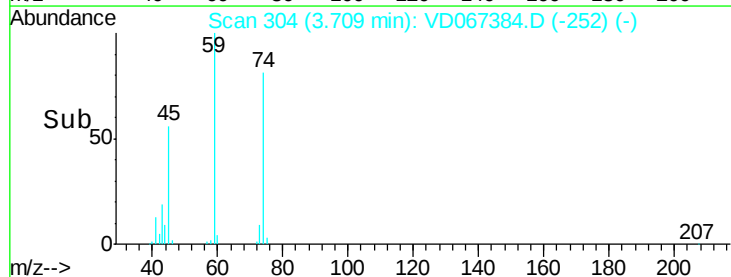
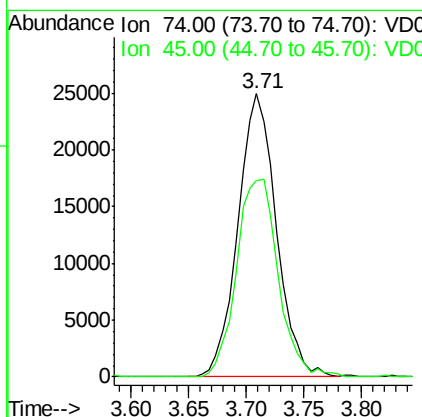
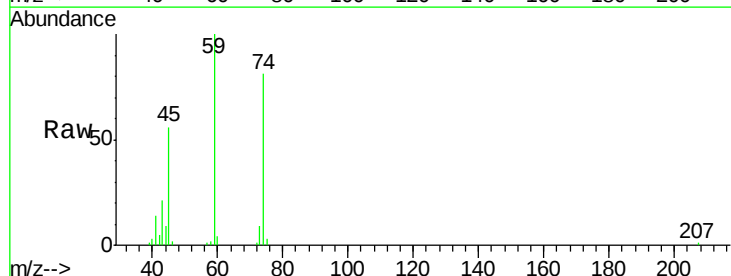
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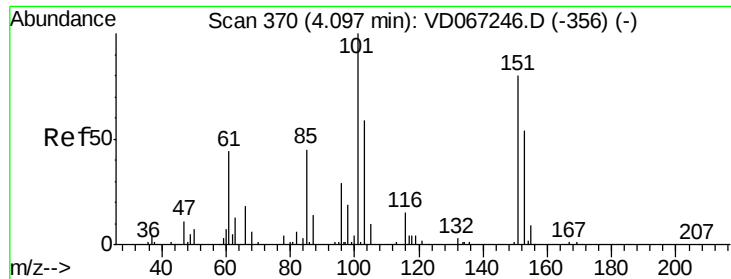


#8

Diethyl Ether
Concen: 44.691 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57646		
45	75.9	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.026 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

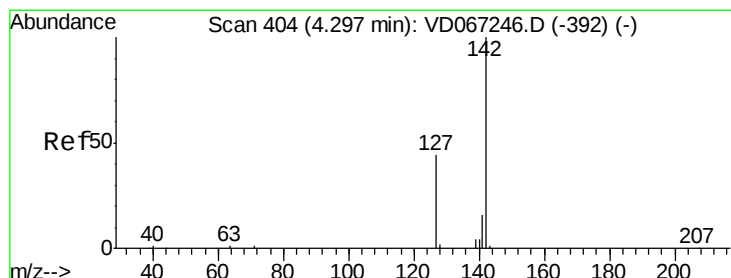
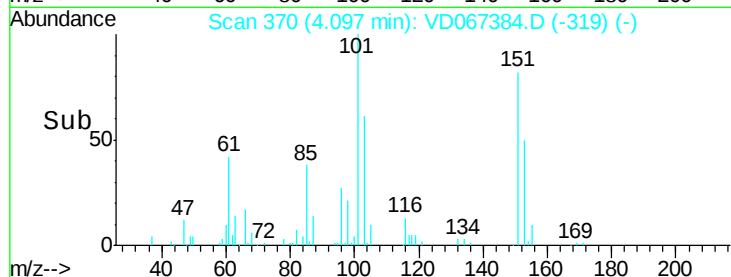
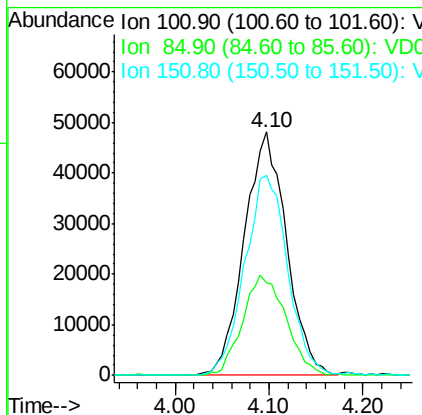
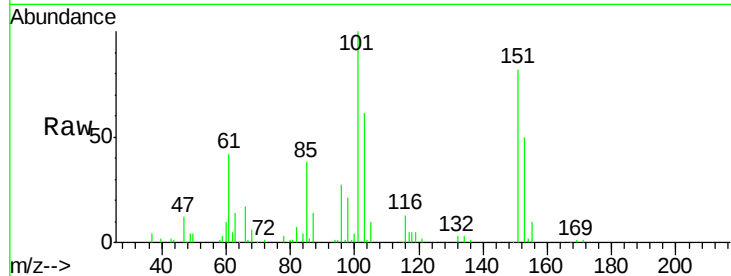
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	149821
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	83.3	66.3	99.5

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#10

Methyl Iodide

Concen: 53.279 ug/l

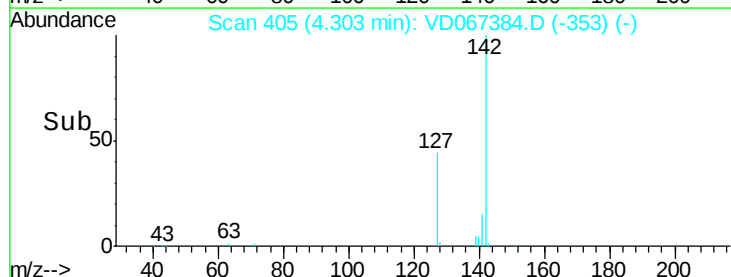
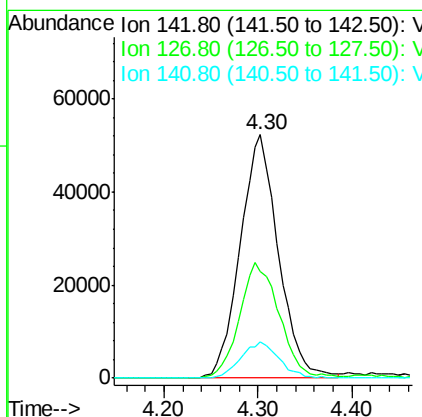
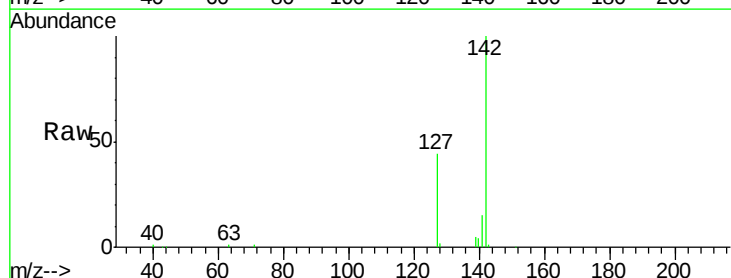
RT: 4.30 min Scan# 405

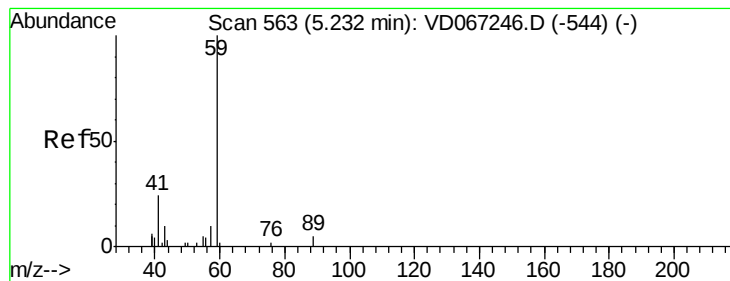
Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion:	142	Resp:	147192
Ion Ratio	Lower	Upper	
142	100		
127	48.8	38.4	57.6
141	14.9	11.6	17.4





#11

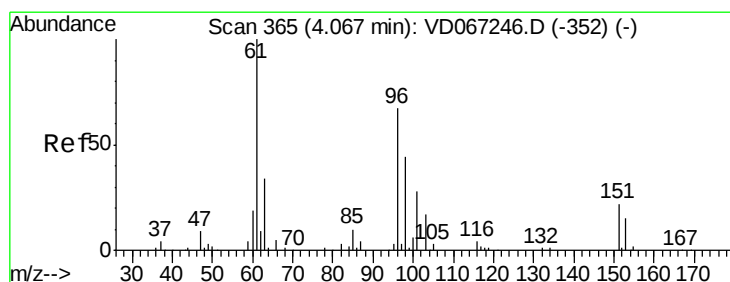
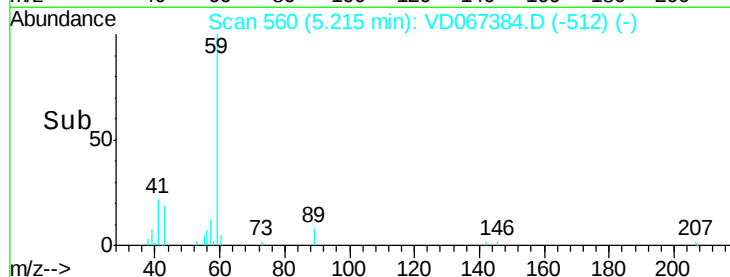
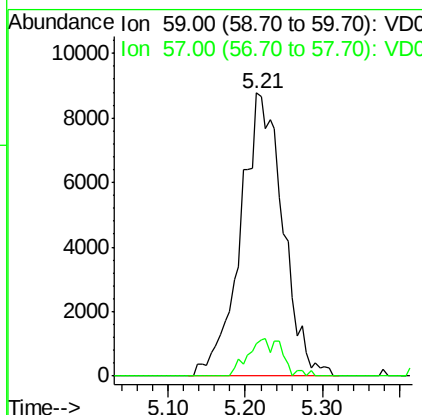
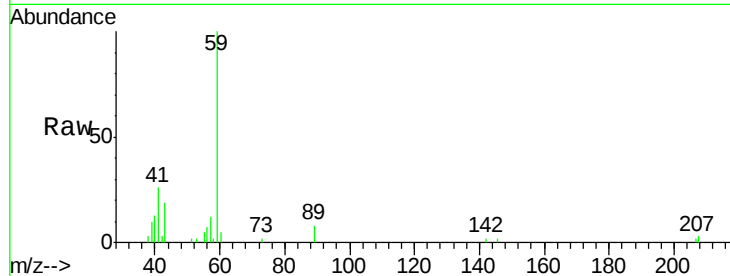
Tert butyl alcohol
 Concen: 188.693 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.9	5.1	7.7

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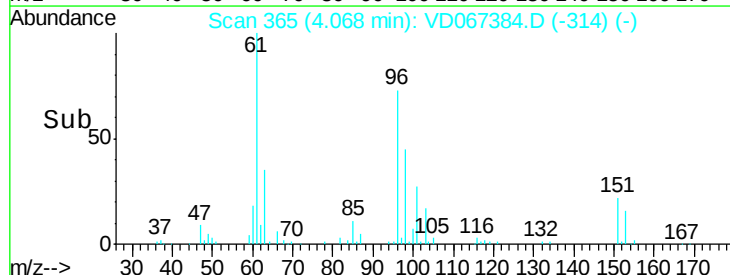
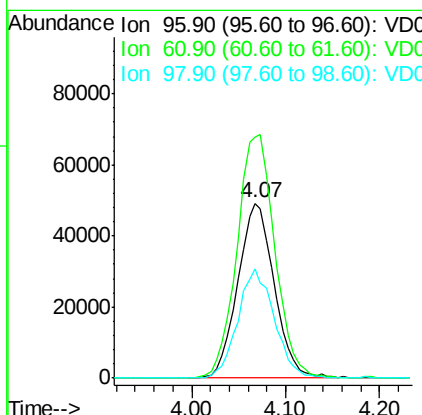
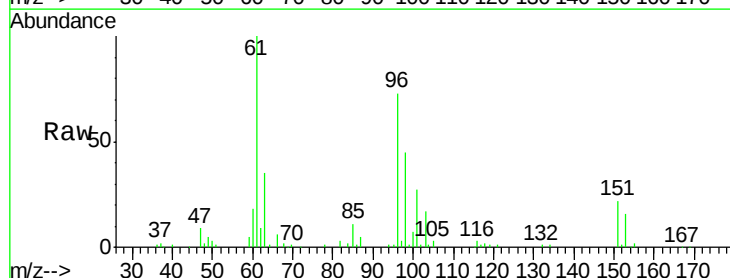
MMDadoda
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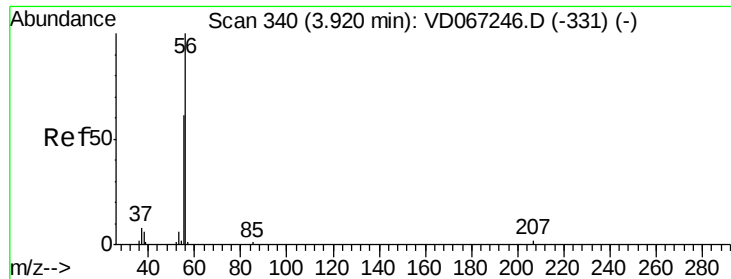


#12

1,1-Dichloroethene
 Concen: 49.345 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.7	118.6	177.8
98	62.5	51.8	77.6





#13

Acrolein

Concen: 204.965 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38956

Ion Ratio Lower Upper

56 100

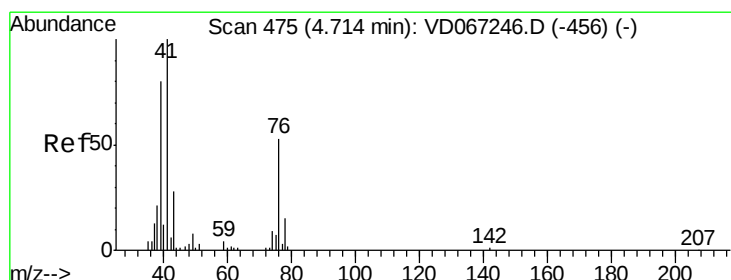
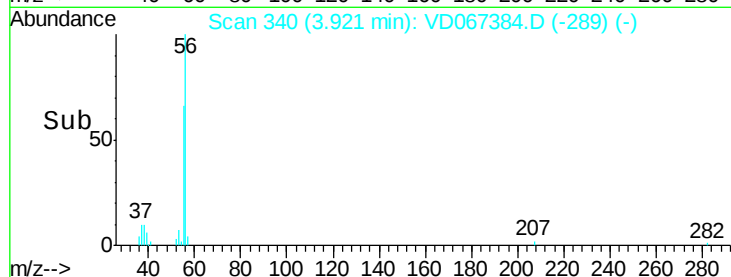
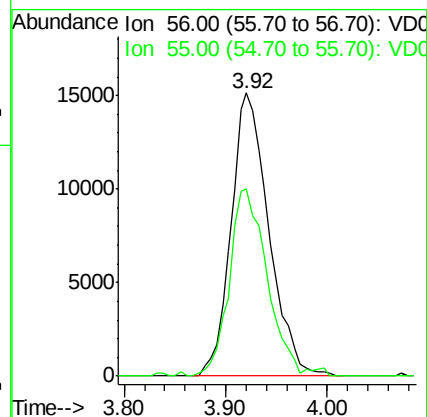
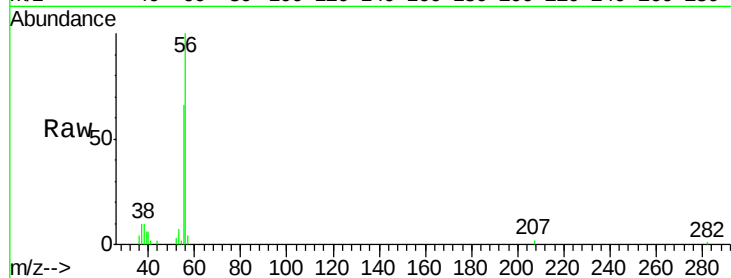
55 66.4 56.0 84.0

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#14

Allyl chloride

Concen: 47.070 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

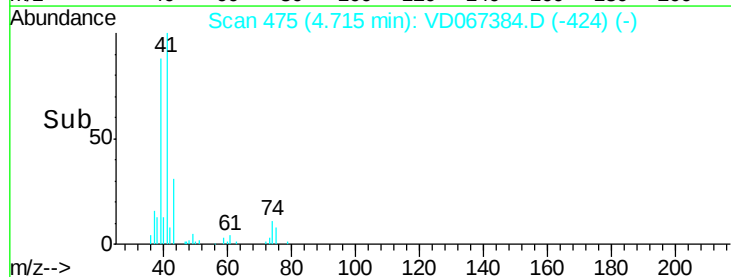
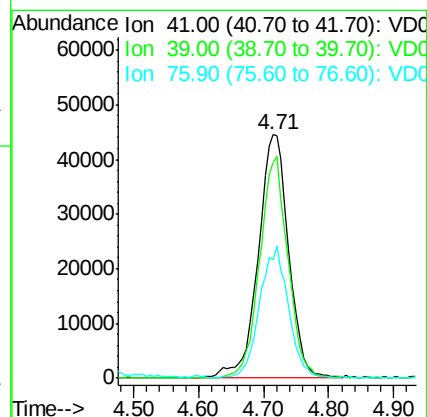
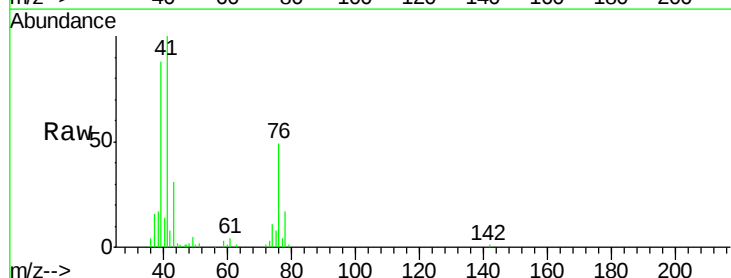
Tgt Ion: 41 Resp: 144221

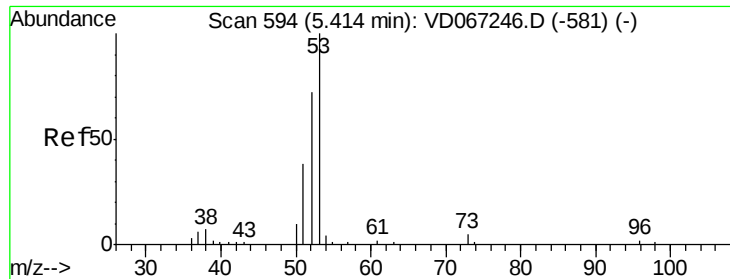
Ion Ratio Lower Upper

41 100

39 84.4 63.8 95.6

76 51.1 40.4 60.6





#15

Acrylonitrile

Concen: 223.151 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

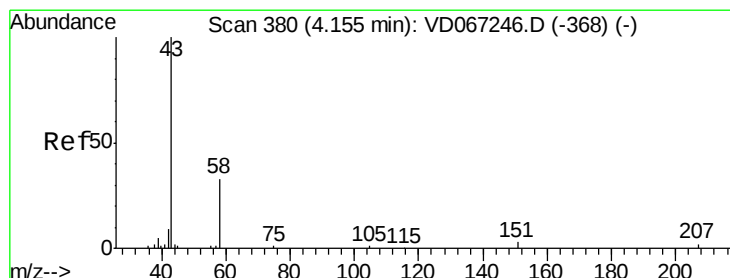
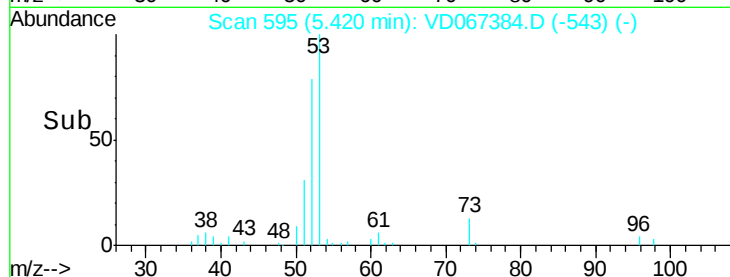
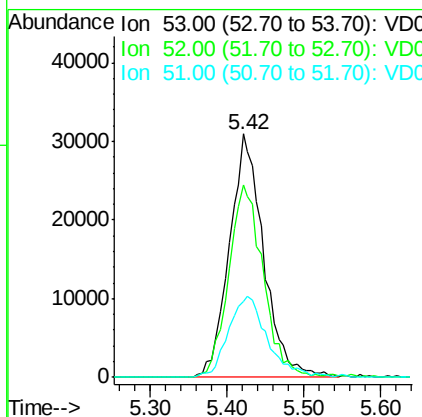
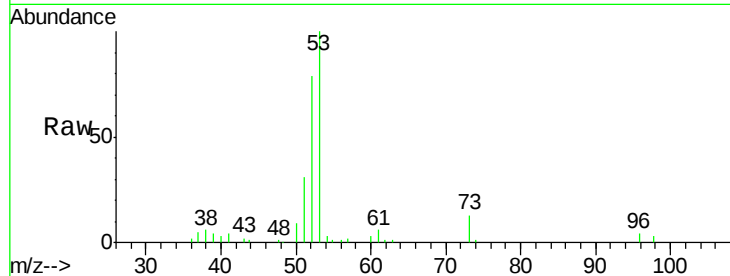
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	96043
Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.6	98.4
51	37.9	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 243.838 ug/l

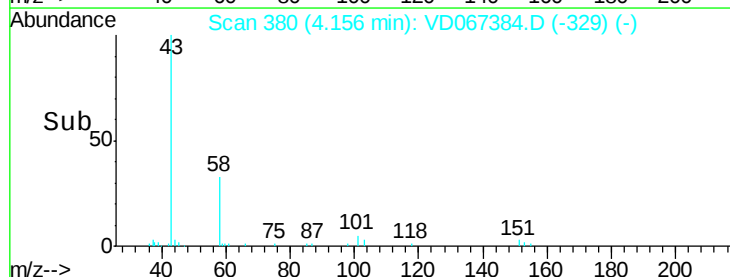
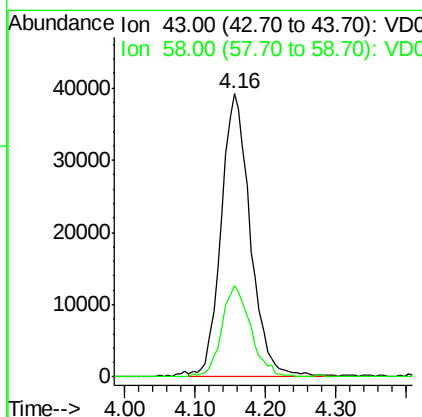
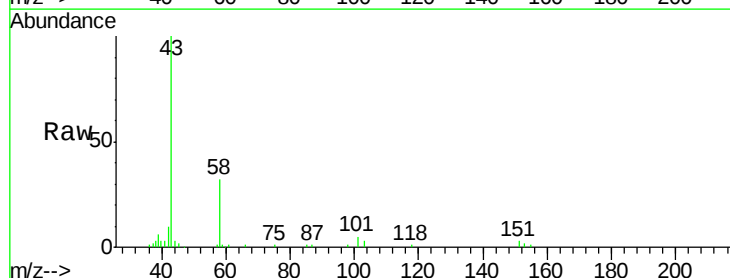
RT: 4.16 min Scan# 380

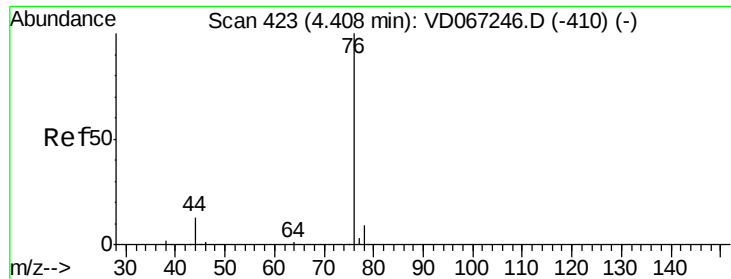
Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion:	43	Resp:	110911
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.1	39.1





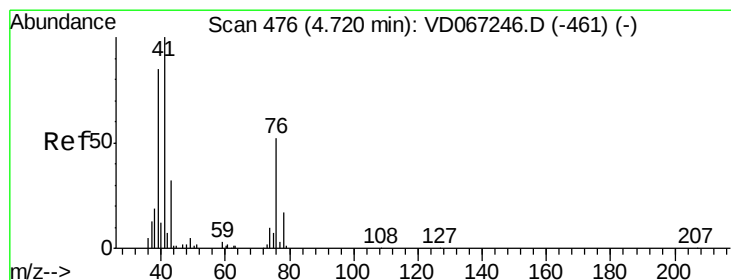
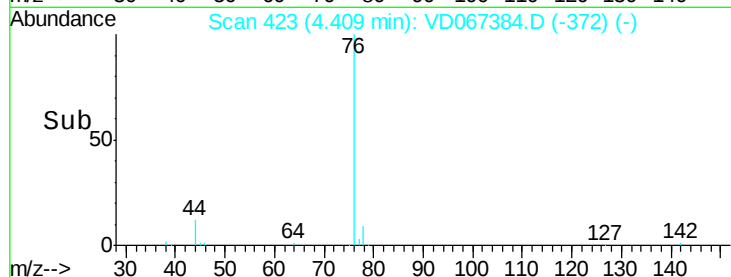
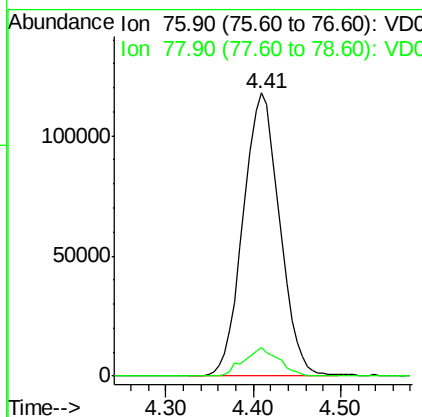
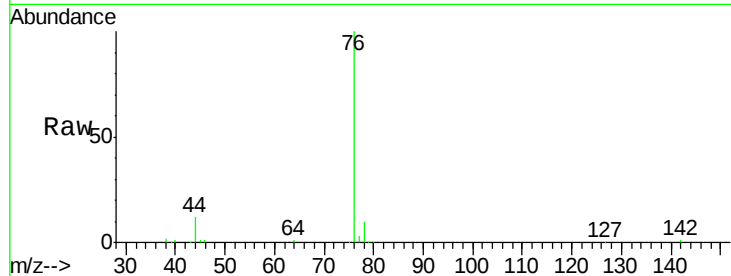
#17
Carbon Disulfide
Concen: 43.871 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 334618
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0

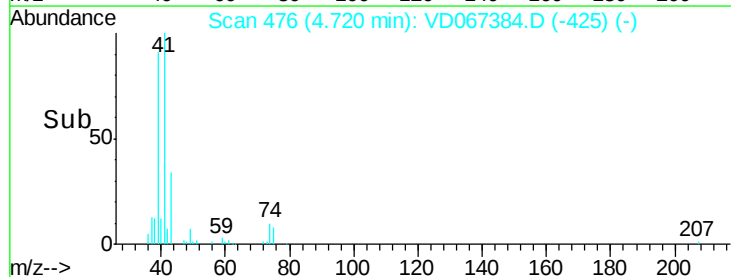
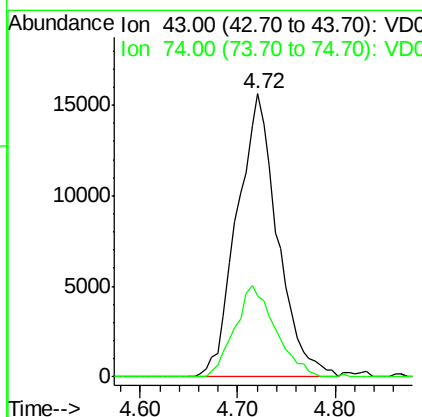
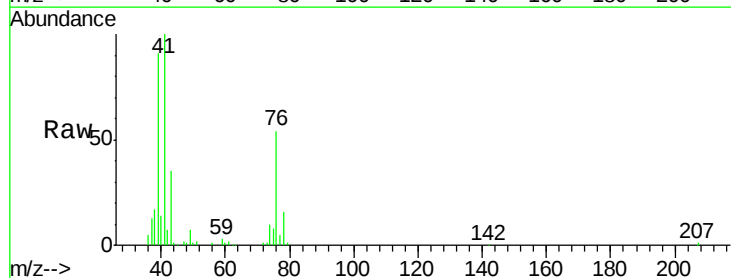
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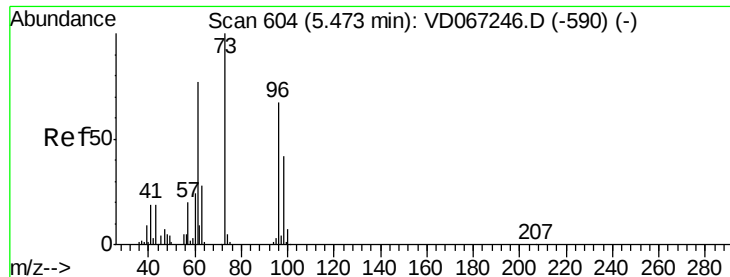
MMDadoda
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#18
Methyl Acetate
Concen: 43.611 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 43 Resp: 45245
Ion Ratio Lower Upper
43 100
74 32.2 26.6 39.8





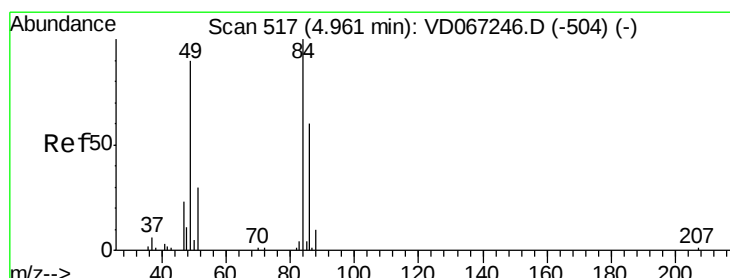
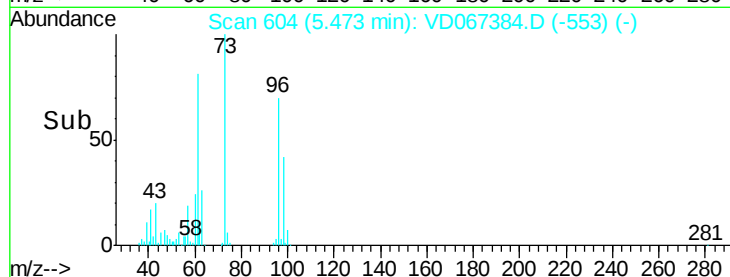
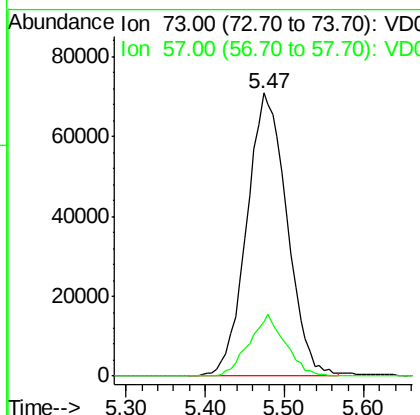
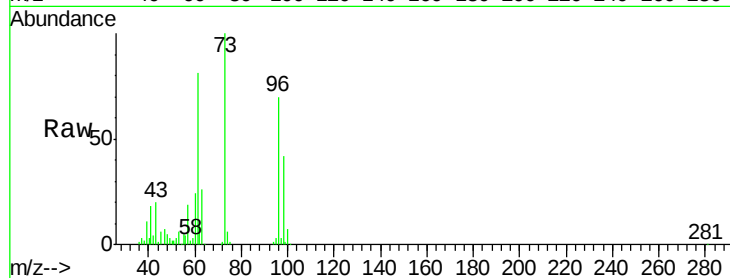
#19
Methvl tert-butvl Ether
Concen: 47.016 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 250125
Ion Ratio Lower Upper
73 100
57 19.1 15.7 23.5

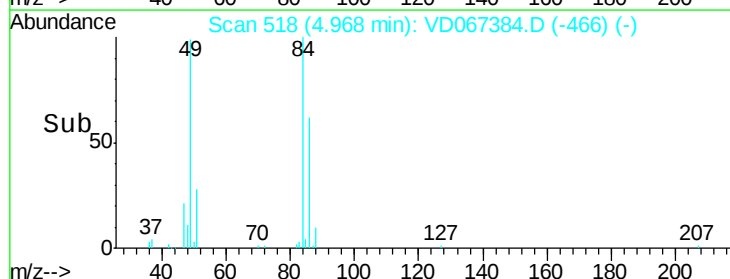
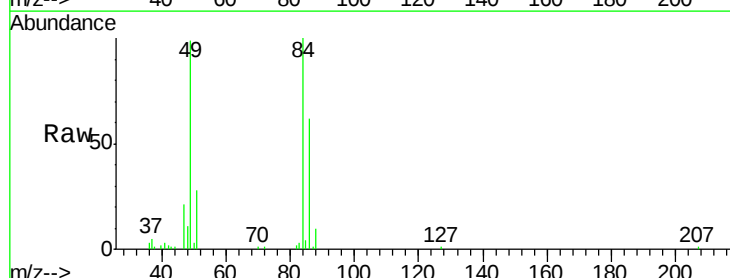
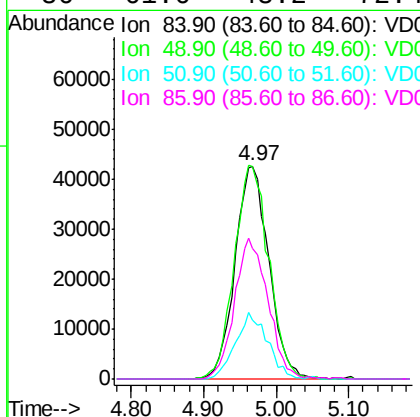
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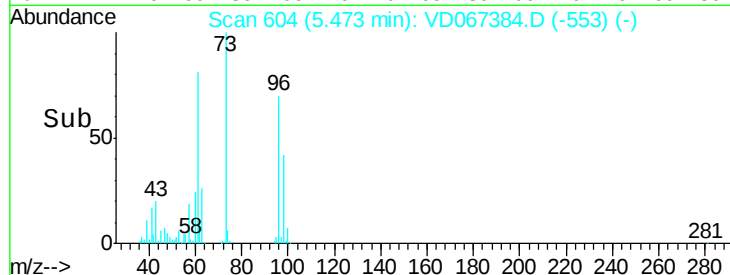
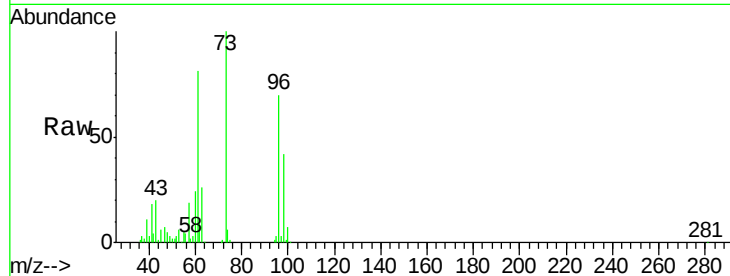
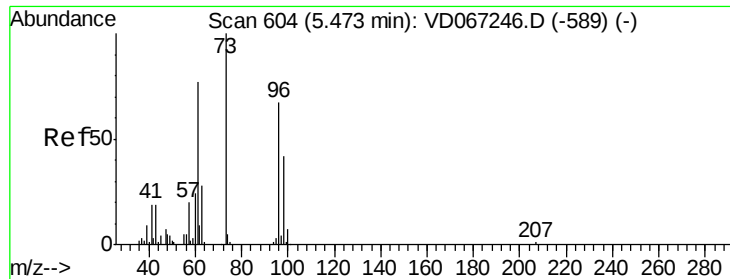
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#20
Methylene Chloride
Concen: 47.135 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 84 Resp: 138082
Ion Ratio Lower Upper
84 100
49 99.5 72.2 108.2
51 27.8 23.8 35.8
86 61.6 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 47.874 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067384.D

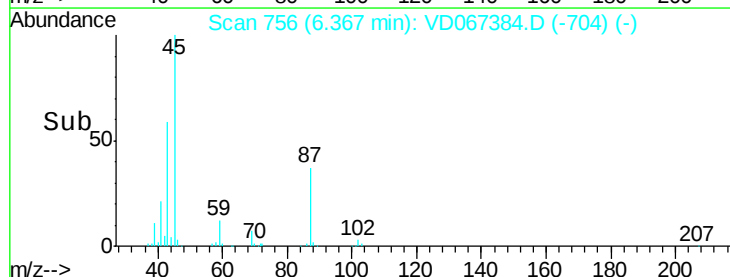
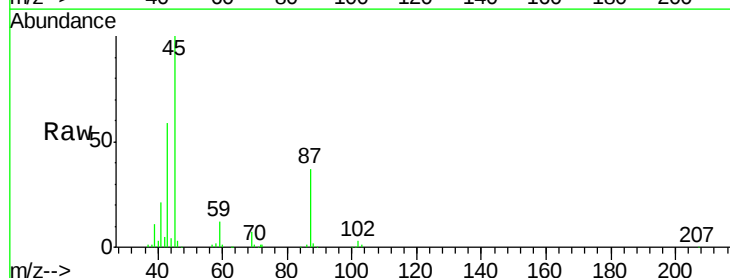
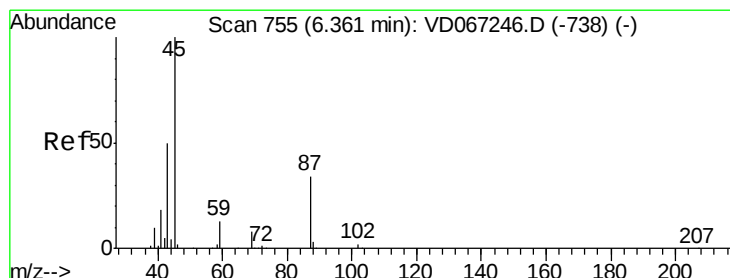
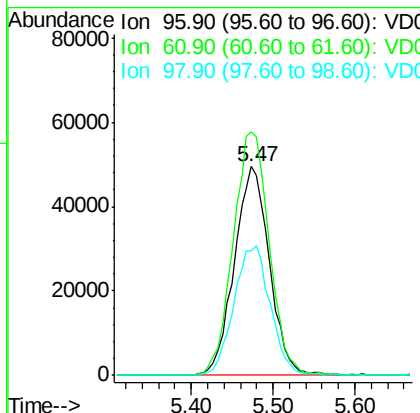
Acq: 26 Oct 2020 11:20

Tot Ion:	96	Resp:	147400
Ion	Ratio	Lower	Upper
96	100		
61	116.8	92.0	138.0
98	59.9	49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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#22

Diisopropyl ether

Concen: 48.154 ug/l

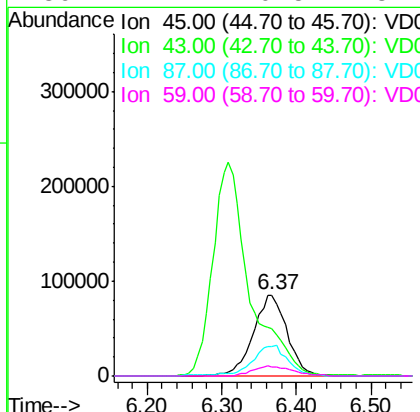
RT: 6.37 min Scan# 756

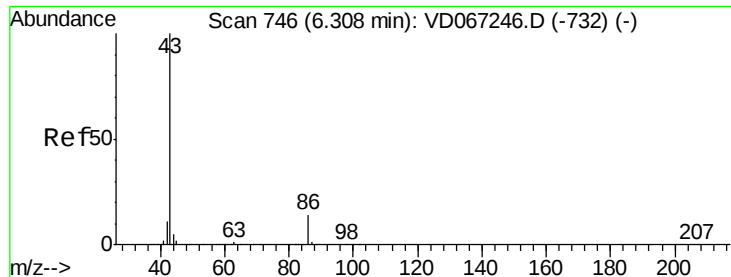
Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion:	45	Resp:	269523
Ion	Ratio	Lower	Upper
45	100		
43	57.0	48.0	72.0
87	36.5	28.5	42.7
59	11.4	10.5	15.7





#23

Vinyl Acetate

Concen: 242.510 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 772232

Ion Ratio Lower Upper

43 100

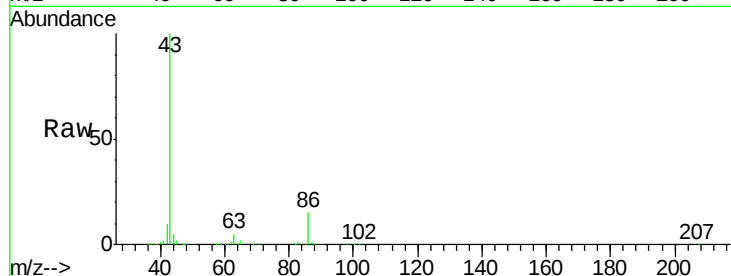
86 14.7 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

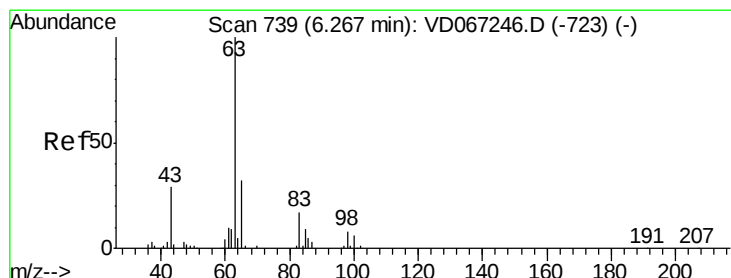
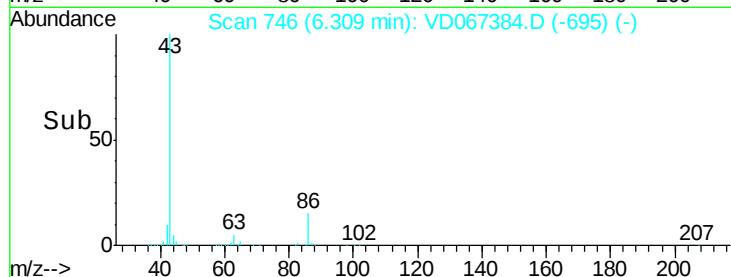
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 49.121 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

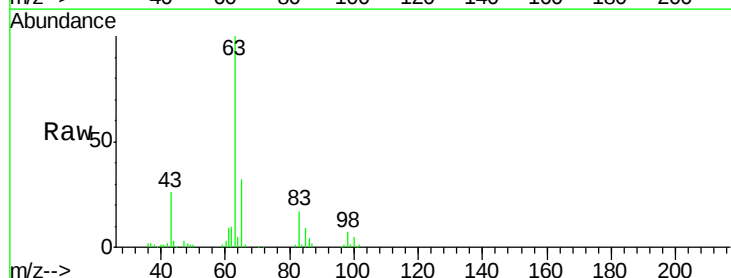
Tgt Ion: 63 Resp: 235348

Ion Ratio Lower Upper

63 100

98 6.6 4.0 12.2

100 5.2 2.8 8.4



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

100000

80000

60000

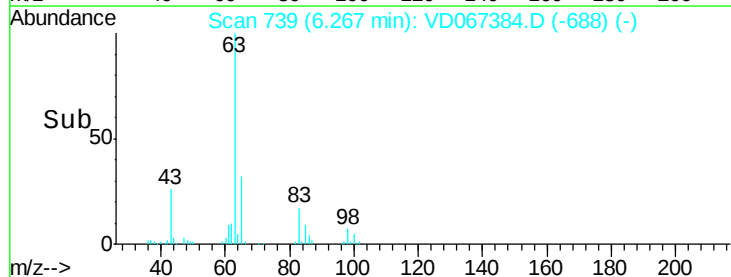
40000

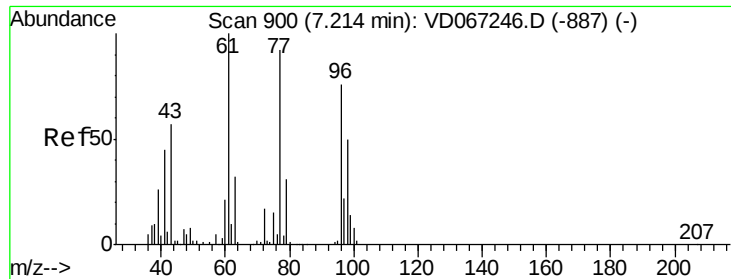
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 227.927 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 118178

Ion Ratio Lower Upper

43 100

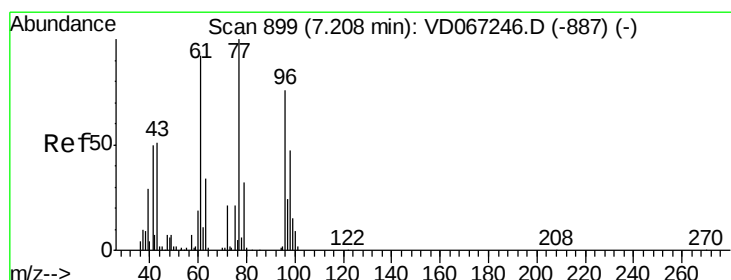
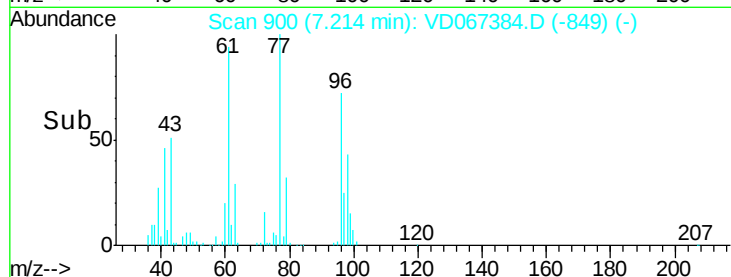
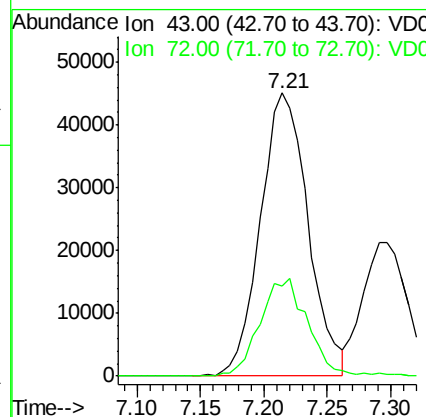
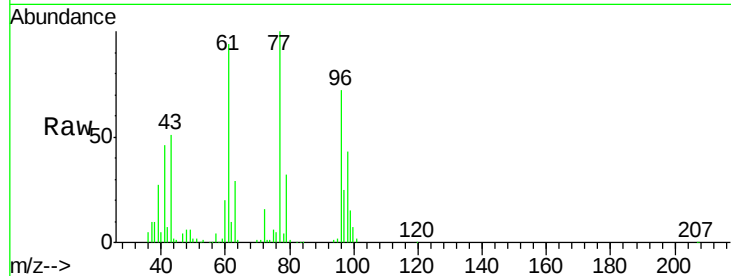
72 31.7 23.7 35.5

Manual Integrations

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10/27/2020 11:45:38 AM



#26

2,2-Dichloropropane

Concen: 52.998 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067384.D

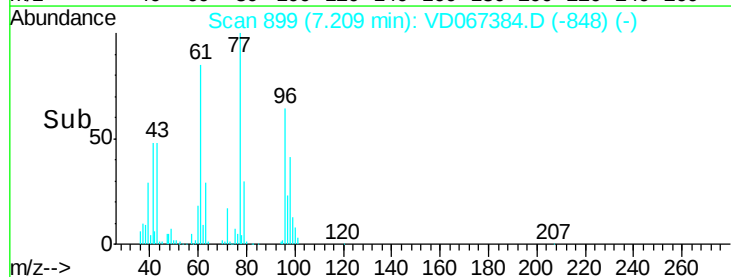
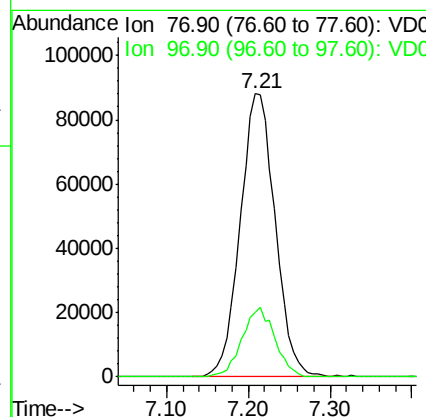
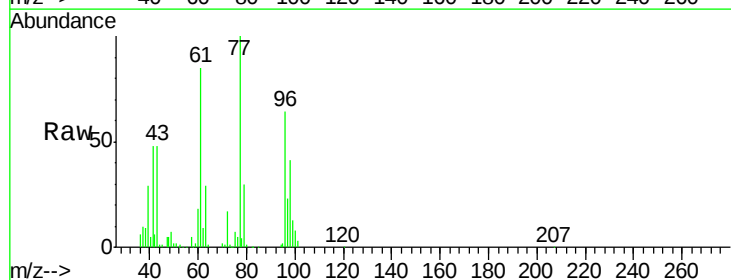
Acq: 26 Oct 2020 11:20

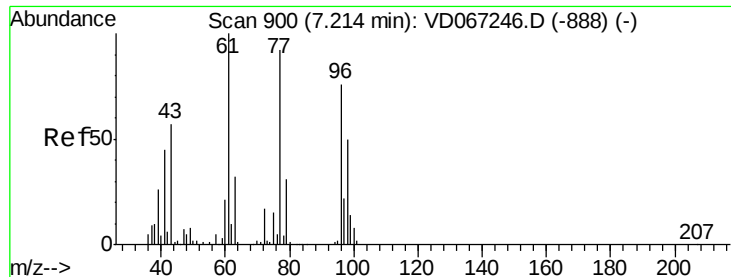
Tgt Ion: 77 Resp: 261727

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2





#27

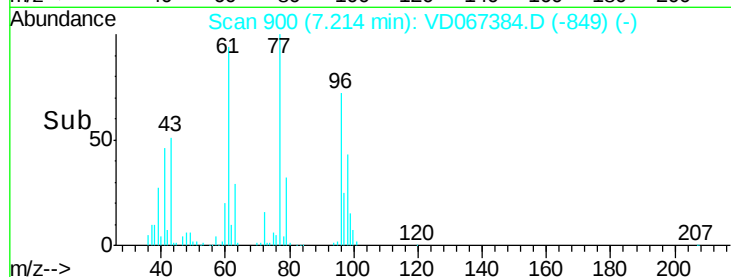
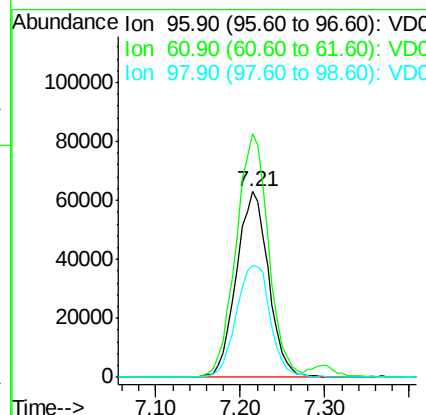
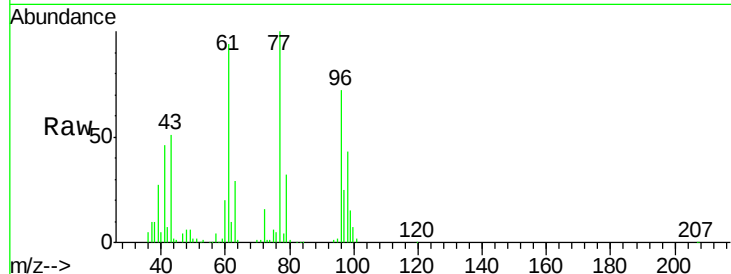
cis-1,2-Dichloroethene
Concen: 49.049 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165512		
61	132.4	0.0	255.4	
98	63.6	0.0	128.0	

Manual Integrations
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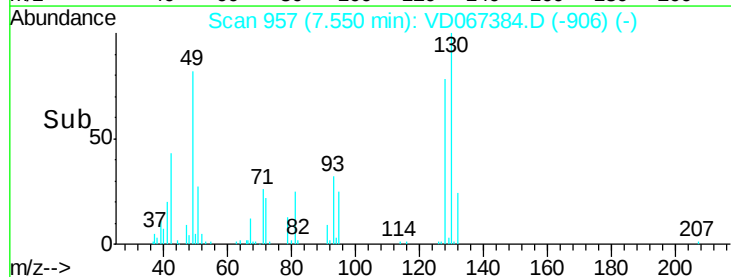
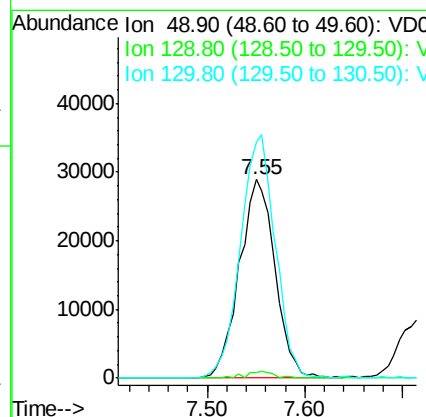
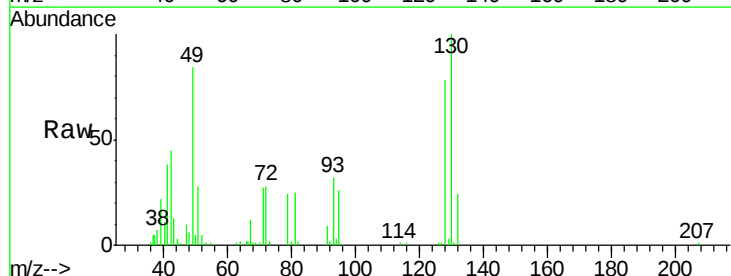
MMDadoda
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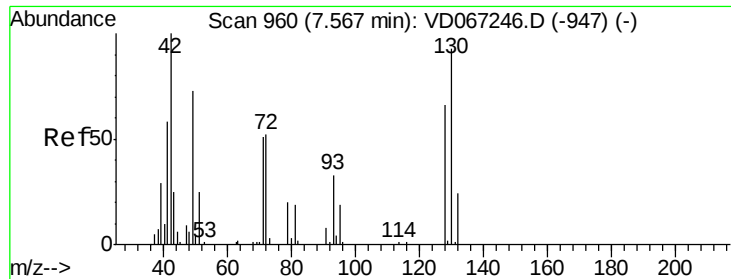


#28

Bromochloromethane
Concen: 44.935 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	73434		
129	2.6	0.0	1.6#	
130	119.5	91.0	136.6	





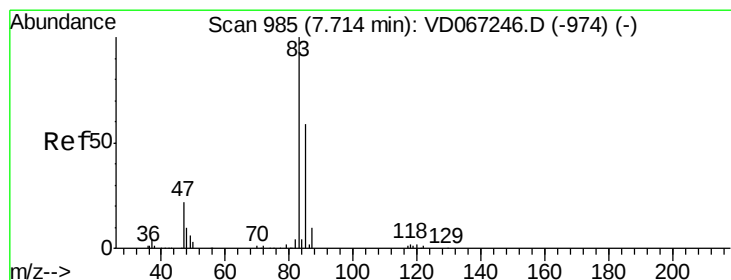
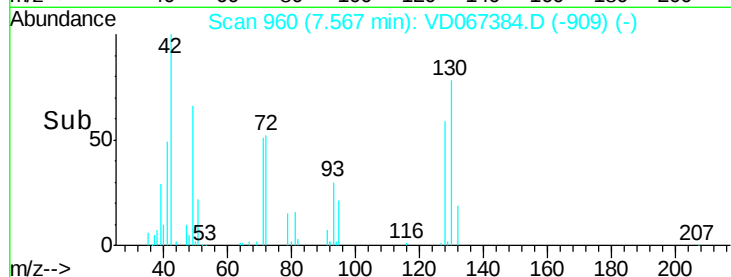
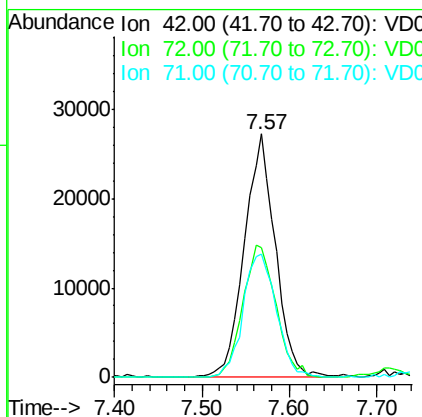
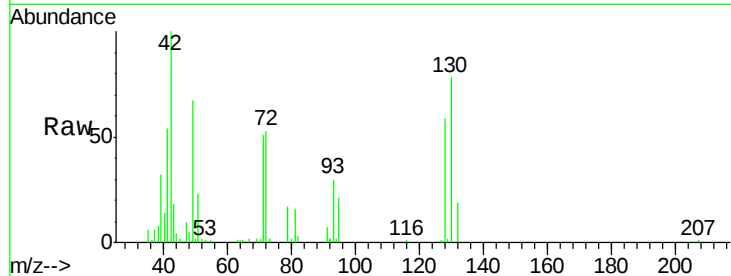
#29
Tetrahydrofuran
Concen: 227.620 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.7	43.2	64.8
71	54.2	39.4	59.0

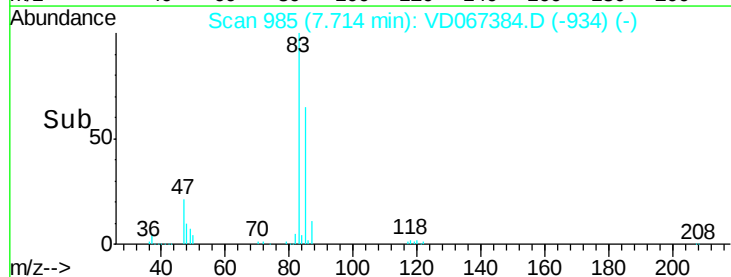
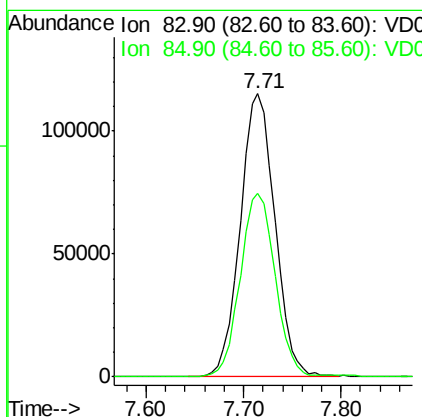
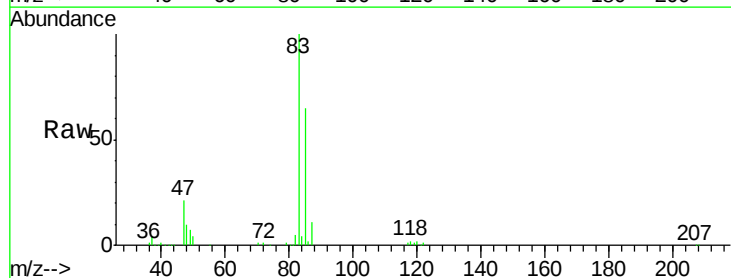
Manual Integrations
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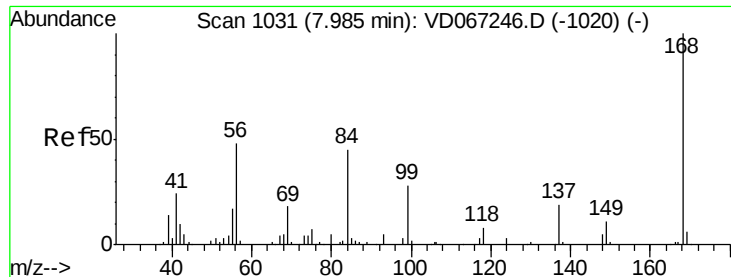
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#30
Chloroform
Concen: 49.823 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	47.3	70.9





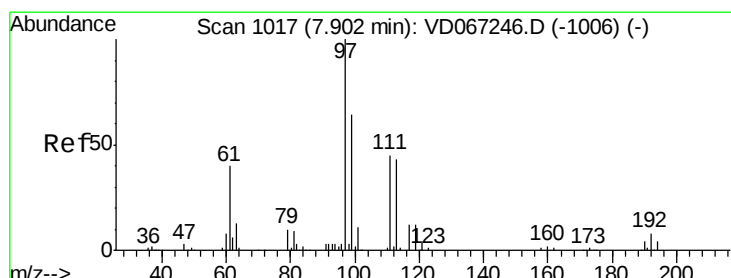
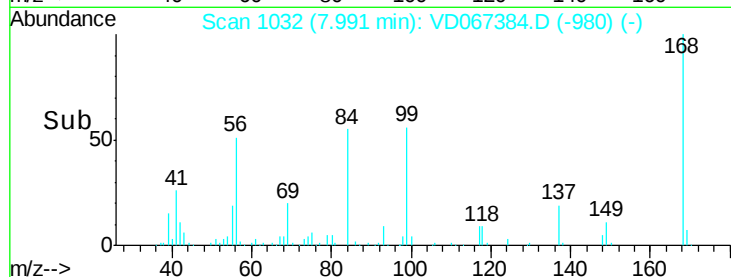
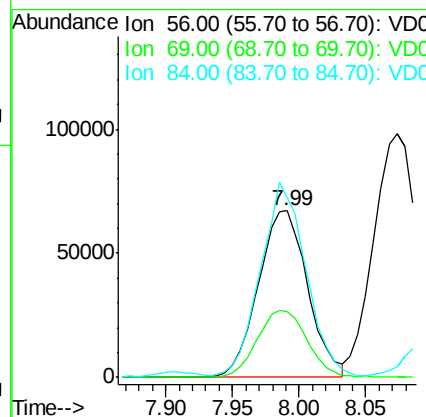
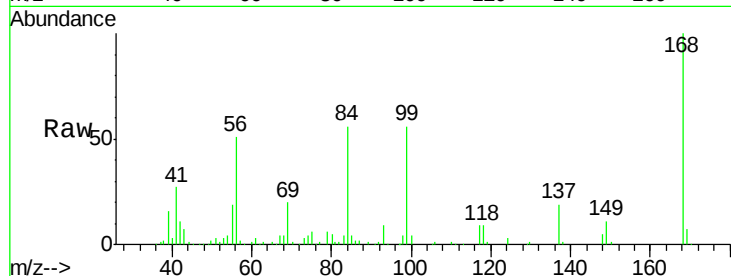
#31
Cyclohexane
Concen: 45.983 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.6	29.8	44.6
84	105.4	76.6	114.8

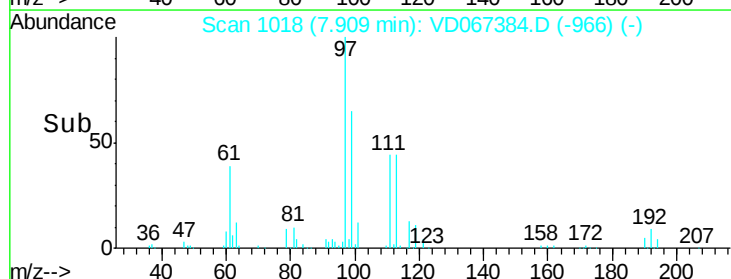
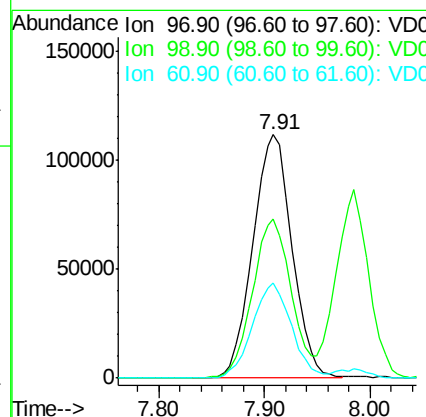
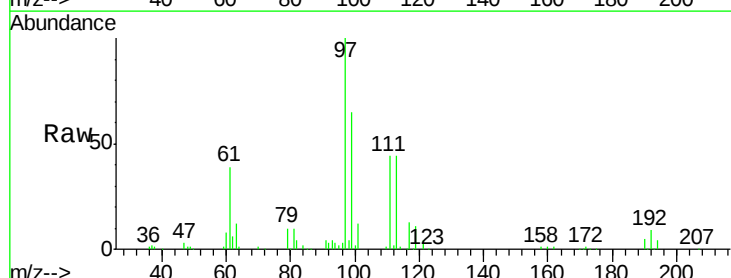
Manual Integrations
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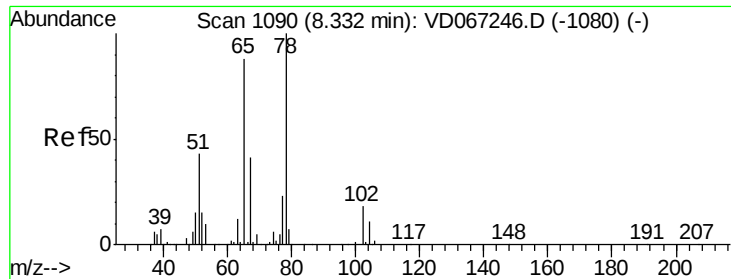
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#32
1,1,1-Trichloroethane
Concen: 51.326 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.2	75.4
61	38.7	30.5	45.7





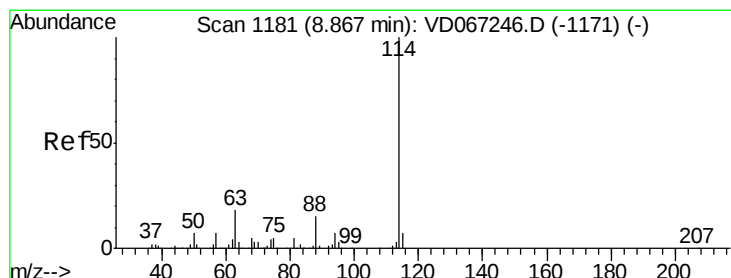
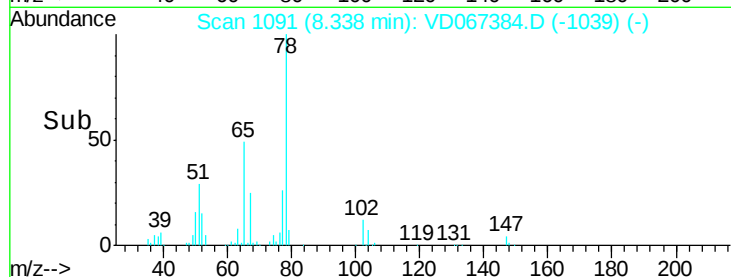
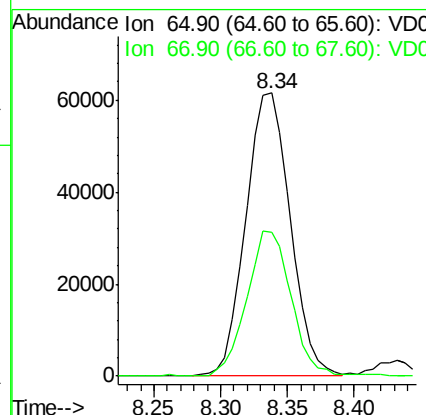
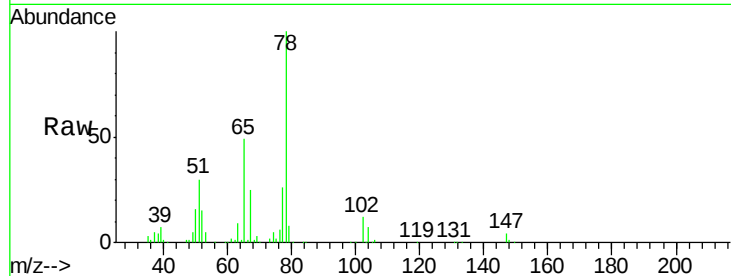
#33
 1,2-Dichloroethane-d4
 Concen: 43.716 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.9	0.0	103.8	

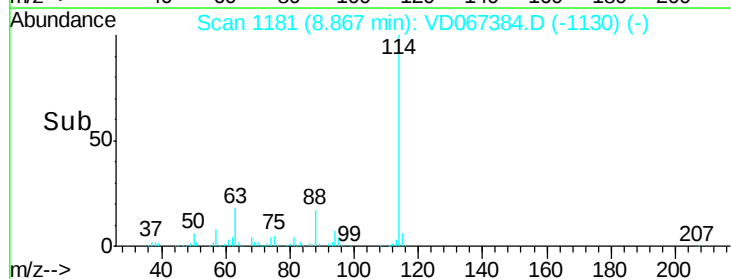
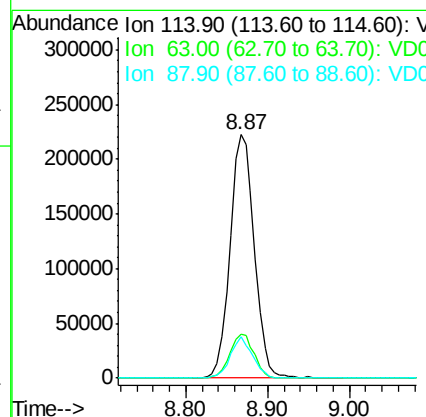
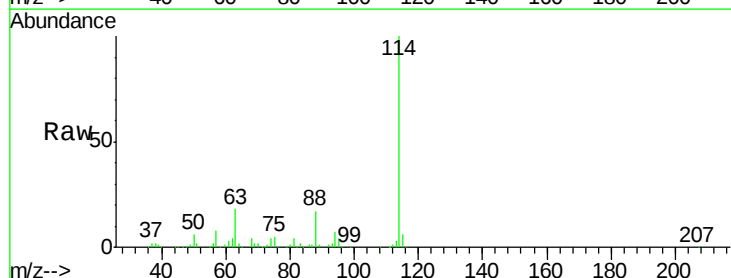
Manual Integrations
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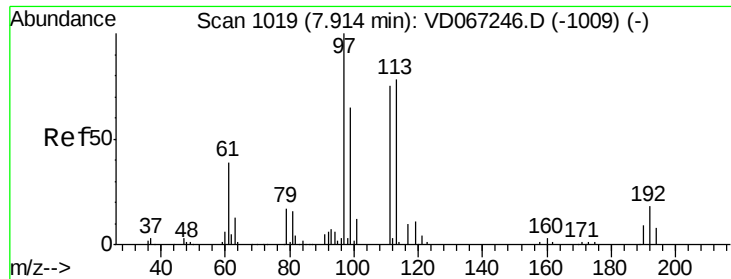
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	35.0	
88	17.3	0.0	30.6	





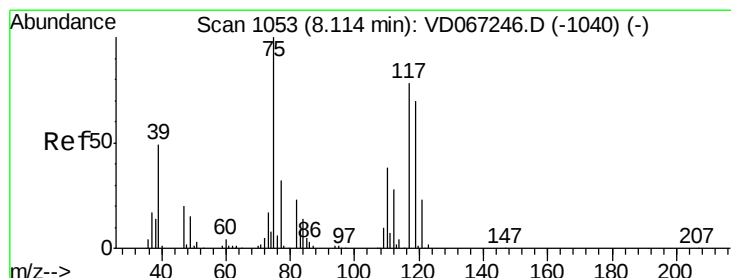
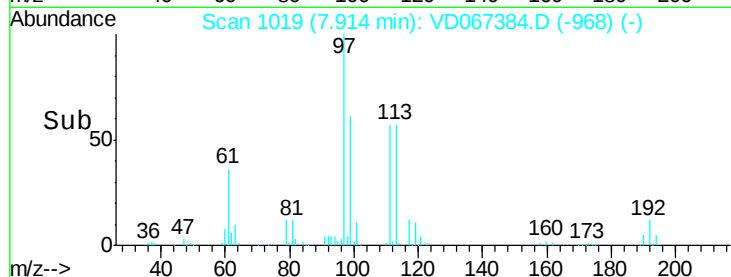
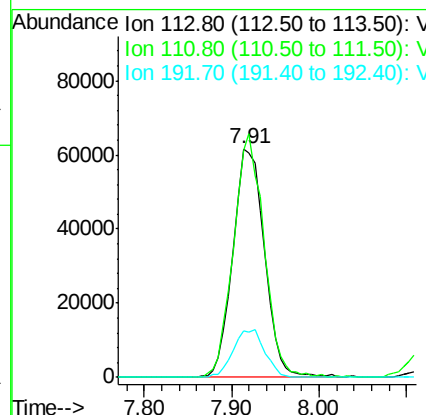
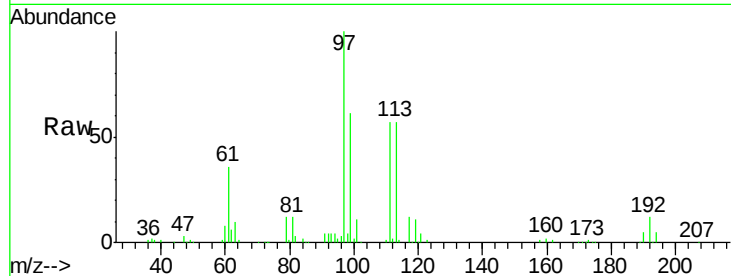
#35
 Dibromofluoromethane
 Concen: 49.443 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150905		
111	102.5	81.6	122.4	
192	20.9	17.0	25.4	

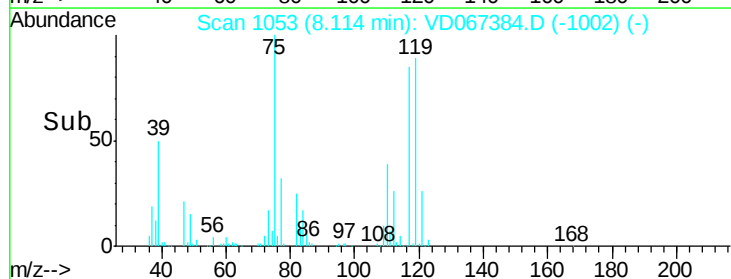
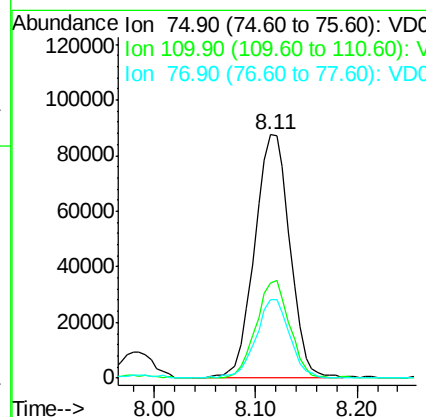
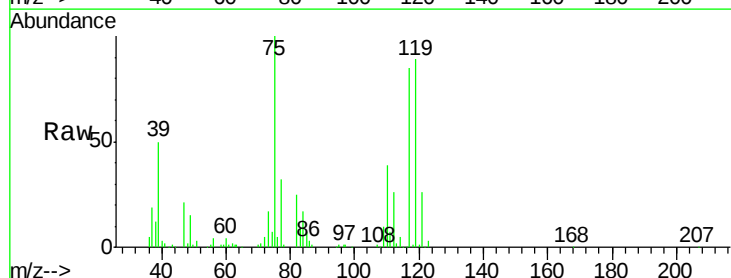
Manual Integrations
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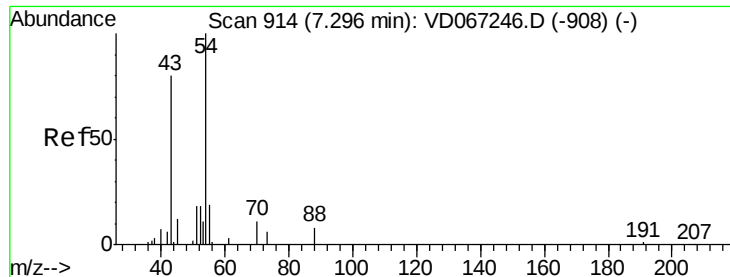
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#36
 1,1-Dichloropropene
 Concen: 53.976 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209813		
110	38.4	19.6	58.7	
77	31.1	24.6	37.0	





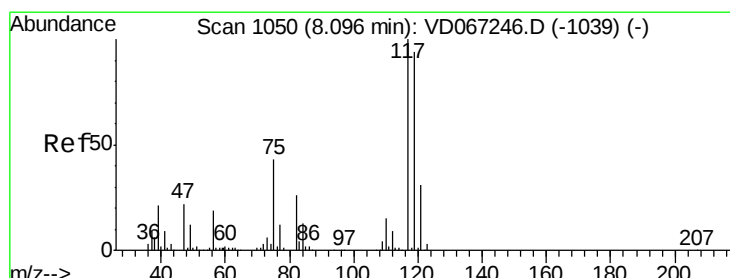
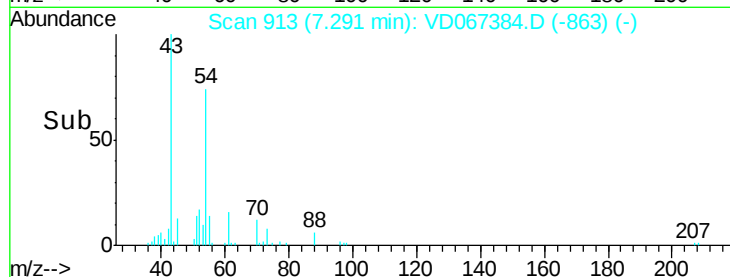
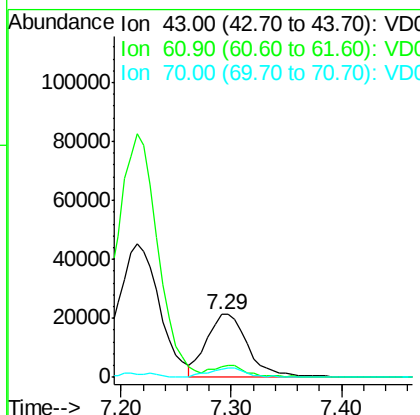
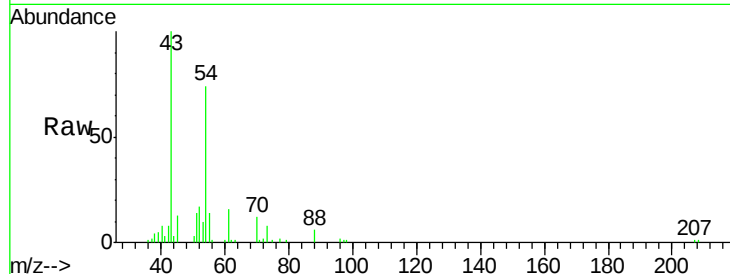
#37
Ethyl Acetate
Concen: 48.514 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	15.6	23.4
70	13.5	10.4	15.6

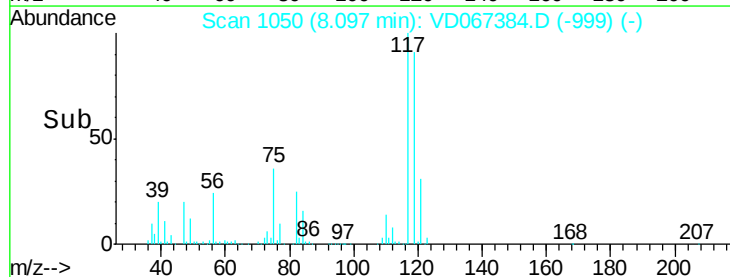
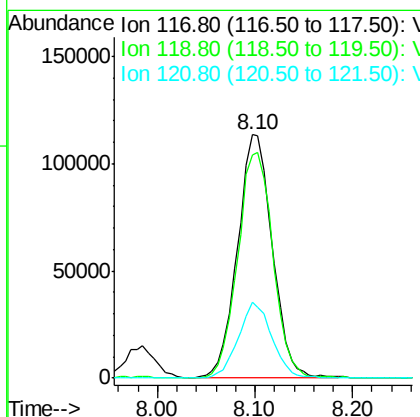
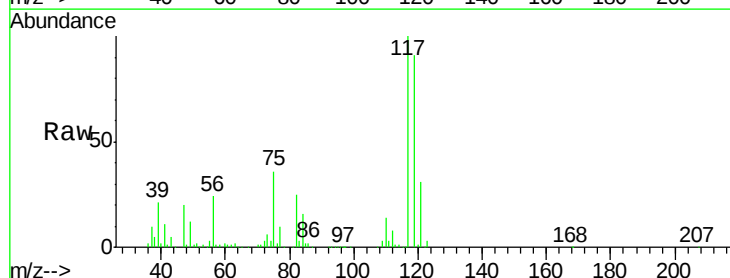
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#38
Carbon Tetrachloride
Concen: 56.638 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.0	112.4
121	31.1	24.9	37.3





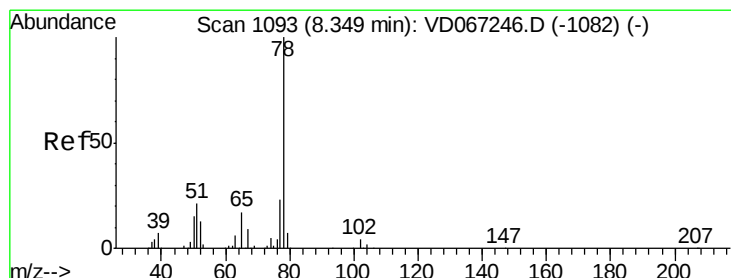
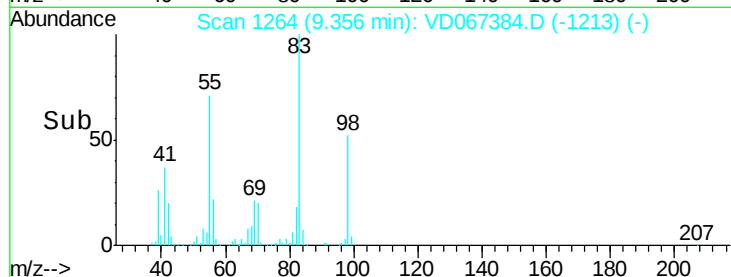
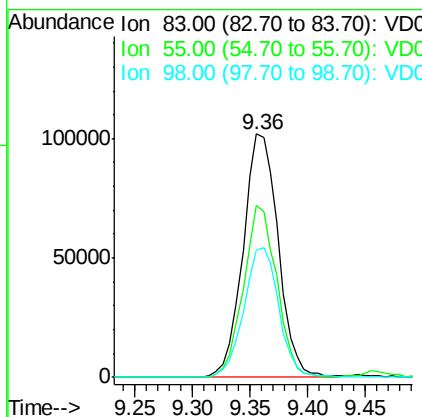
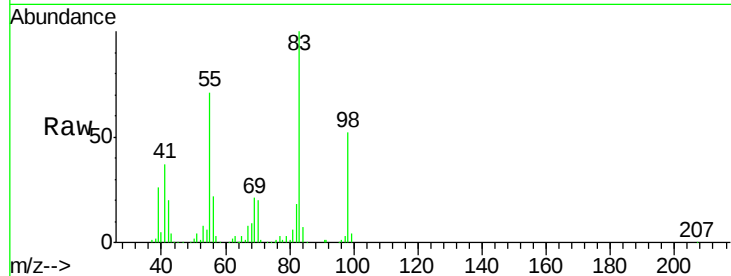
#39
Methvlcvclohexane
Concen: 53.233 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	53.3	79.9
98	52.1	41.0	61.4

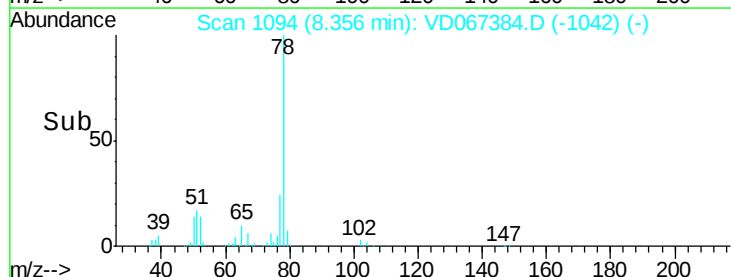
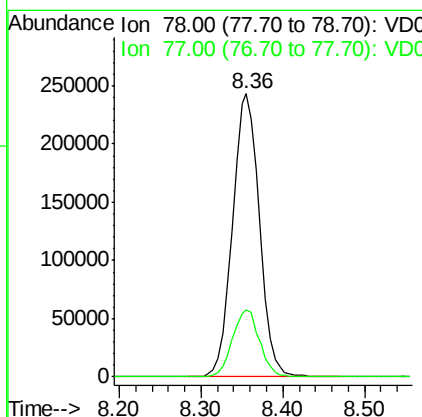
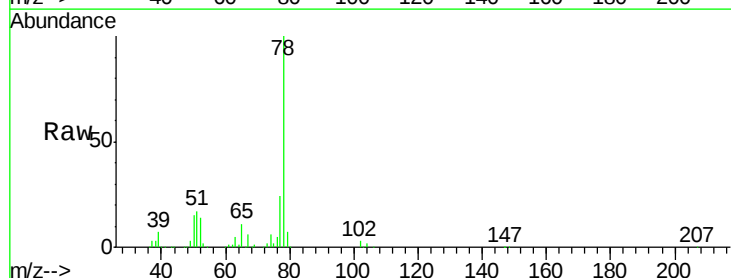
Manual Integrations
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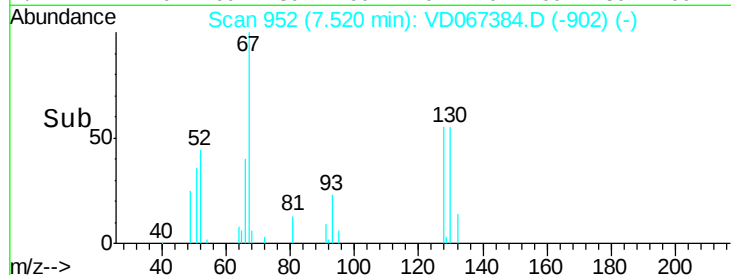
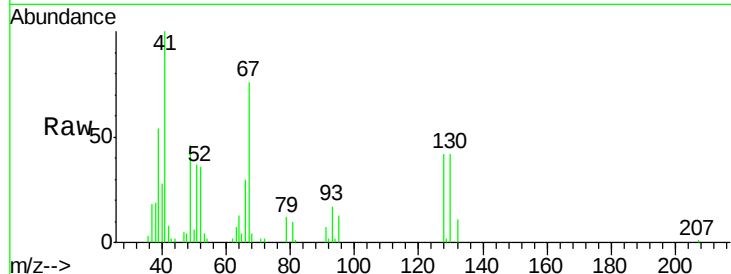
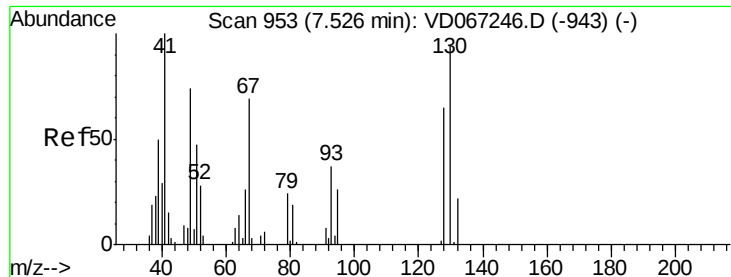
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#40
Benzene
Concen: 51.963 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5





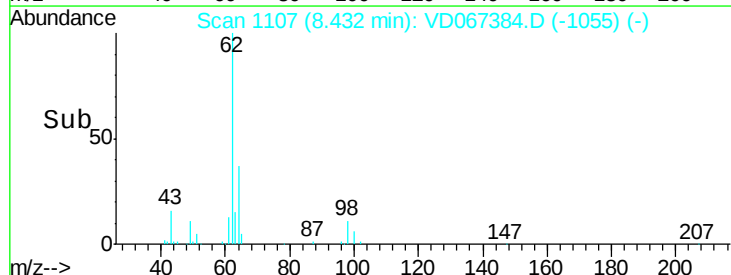
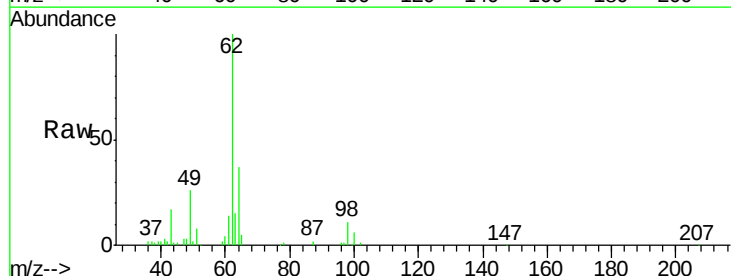
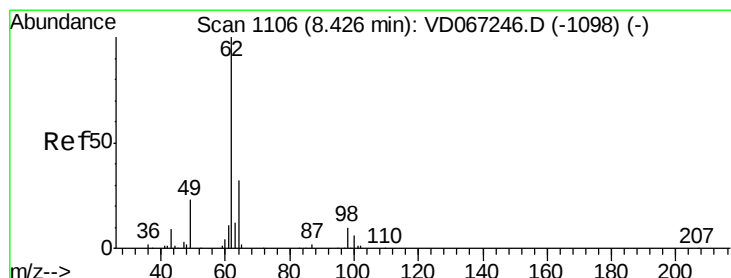
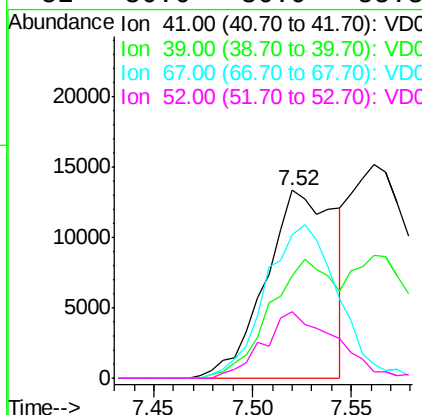
#41
Methacrylonitrile
Concen: 52.727 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.1	60.0	90.0#
67	84.8	88.9	133.3#
52	36.6	36.9	55.3#

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

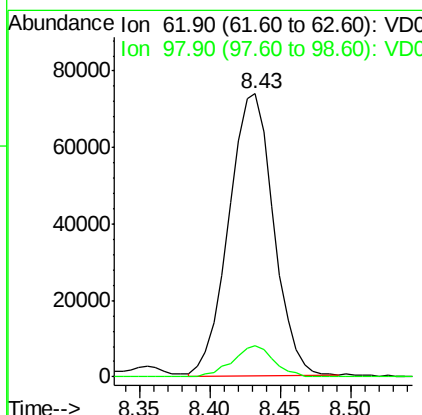
Manual Integrations
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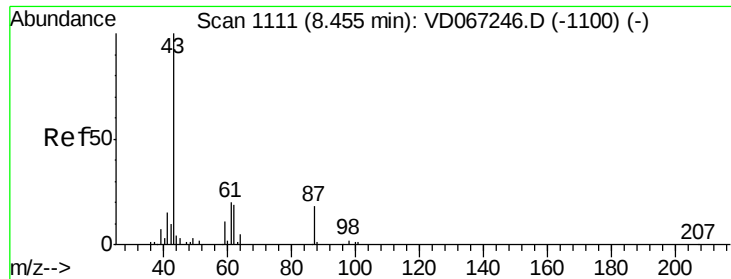
MMDadoda
10/27/2020 11:45:38 AM



#42
1,2-Dichloroethane
Concen: 48.798 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





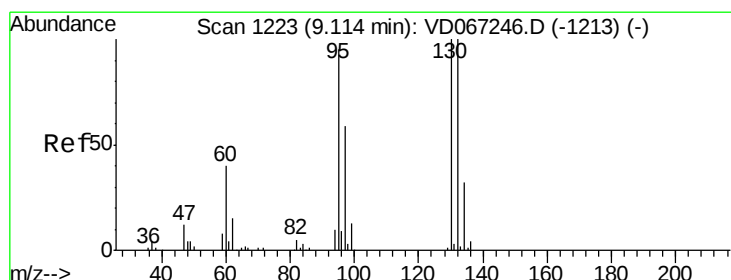
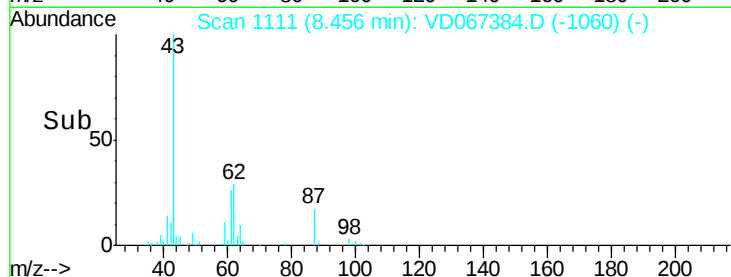
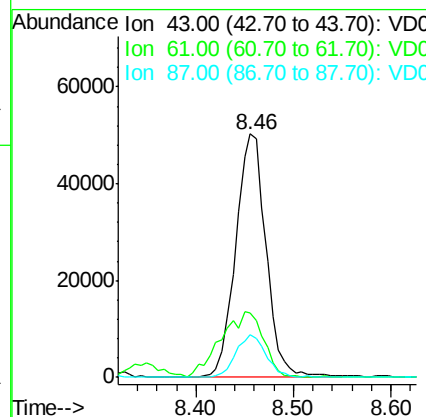
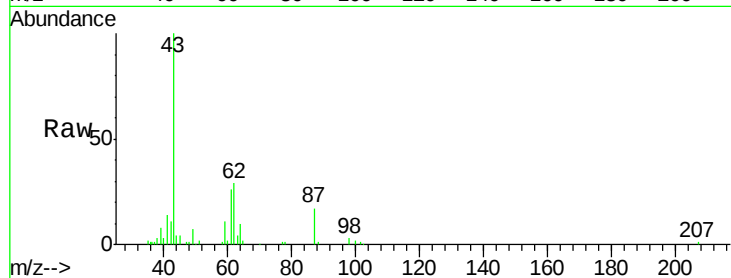
#43
Isopropyl Acetate
Concen: 47.851 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.8	29.5	44.3
87	17.1	14.2	21.4

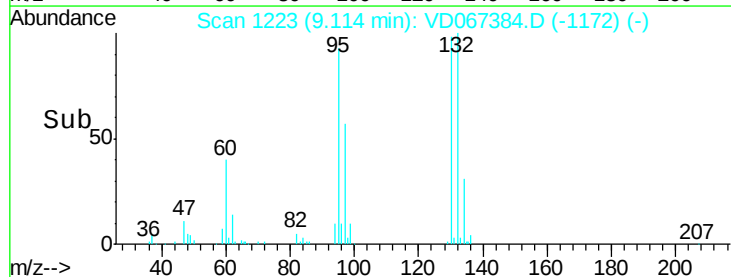
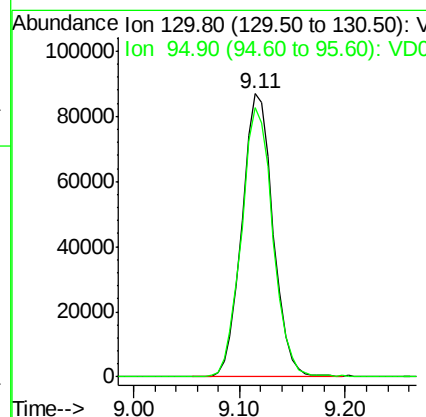
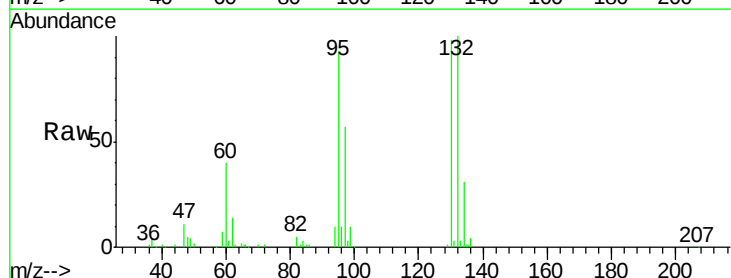
Manual Integrations
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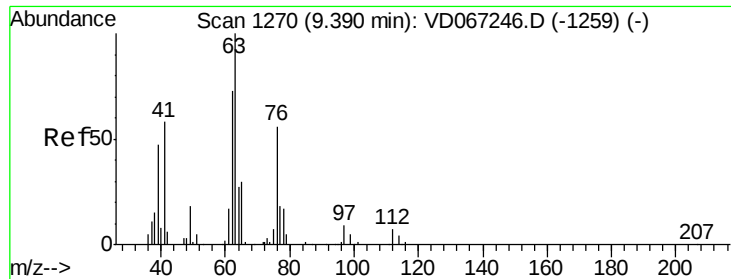
MMDadoda
10/27/2020 11:45:38 AM



#44
Trichloroethene
Concen: 51.864 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	190.6





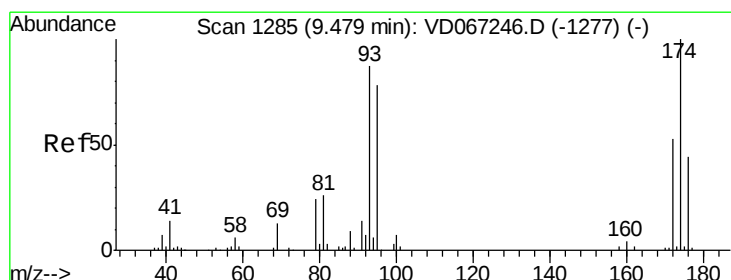
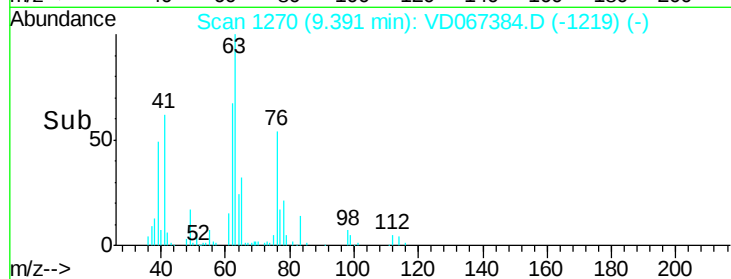
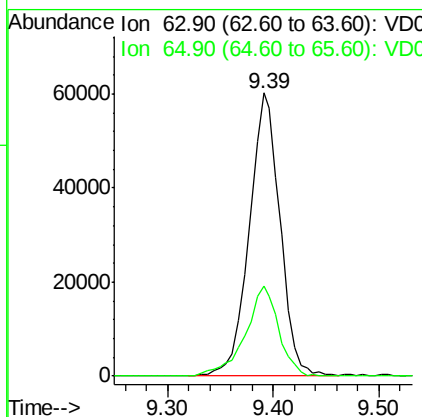
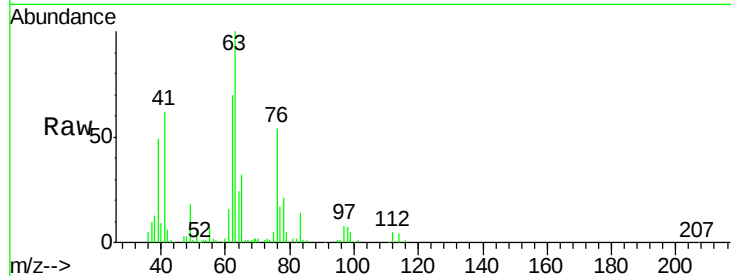
#45
 1,2-Dichloropropane
 Concen: 49.395 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 122076
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.6 36.8

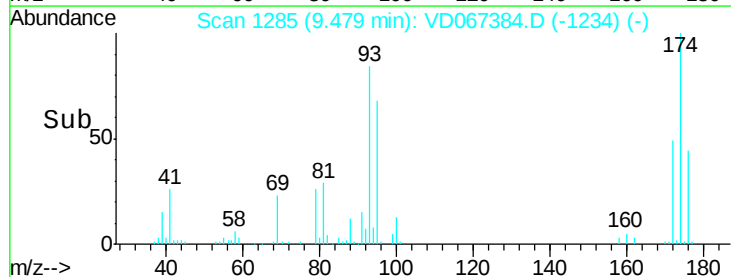
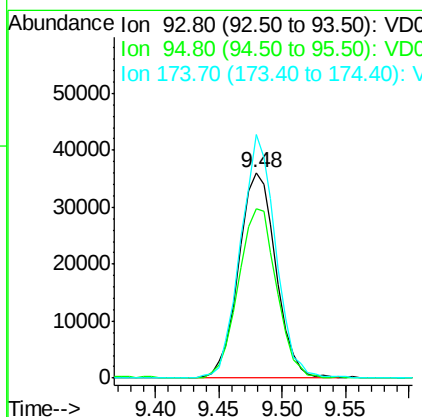
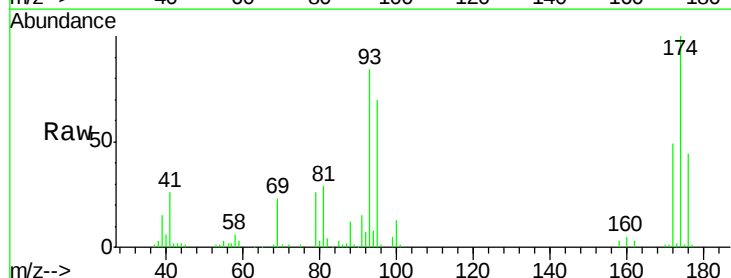
Manual Integrations
 APPROVED

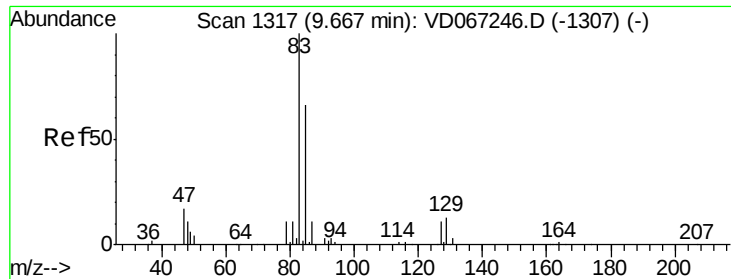
MMDadoda
 10/27/2020 11:45:38 AM



#46
 Dibromomethane
 Concen: 47.734 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion: 93 Resp: 73502
 Ion Ratio Lower Upper
 93 100
 95 85.0 68.0 102.0
 174 111.6 91.8 137.6





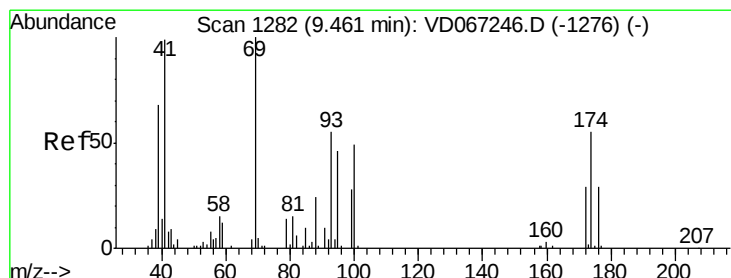
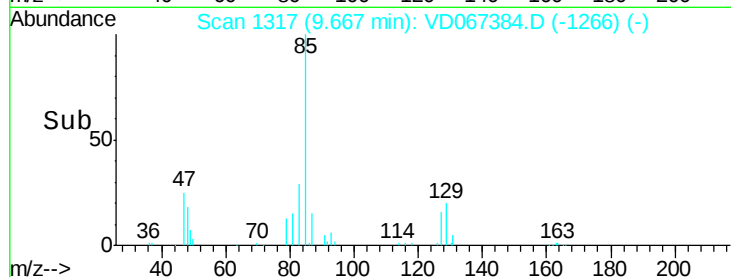
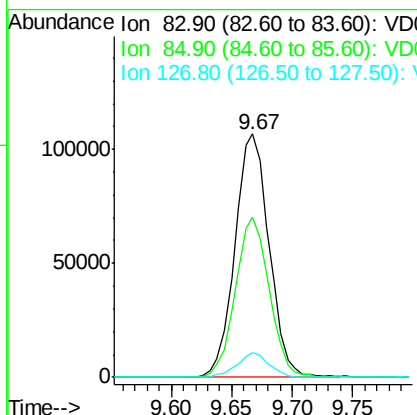
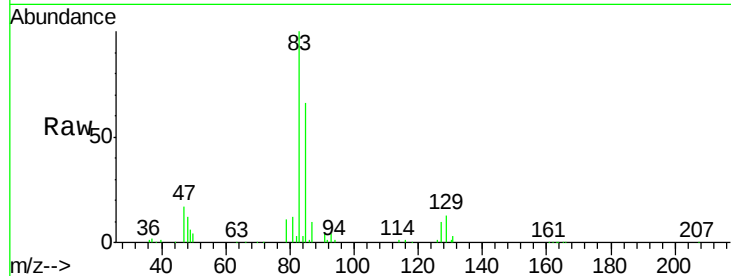
#47
Bromodichloromethane
Concen: 51.079 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	210730		
85	66.1	53.1	79.7	
127	10.2	8.6	13.0	

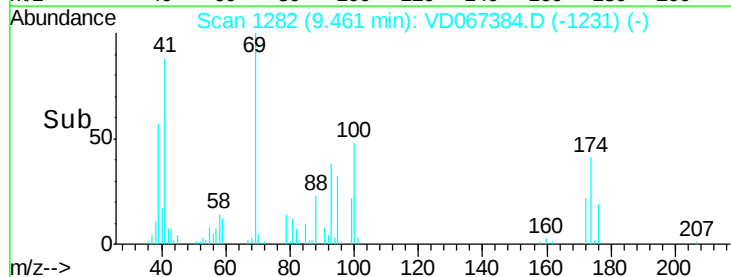
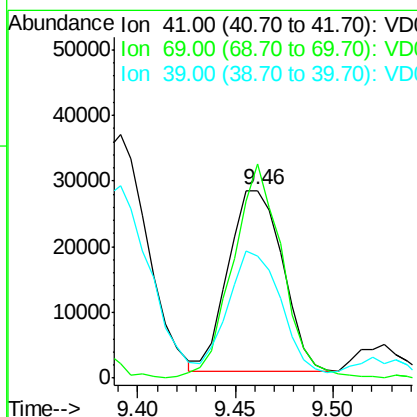
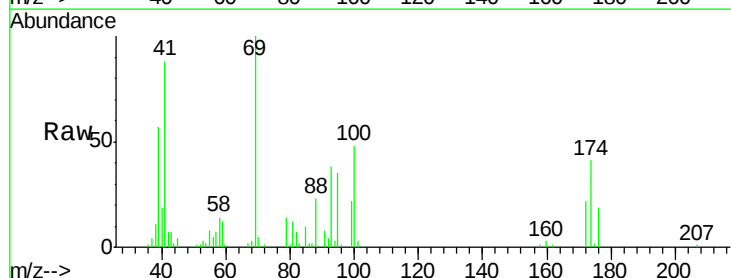
Manual Integrations
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MMDadoda
10/27/2020 11:45:38 AM



#48
Methyl methacrylate
Concen: 48.062 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	53003		
69	108.1	89.0	133.6	
39	63.9	60.2	90.2	





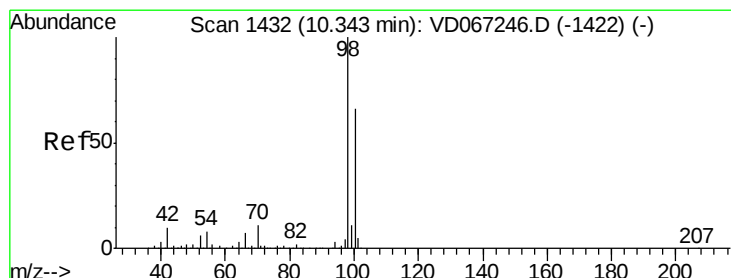
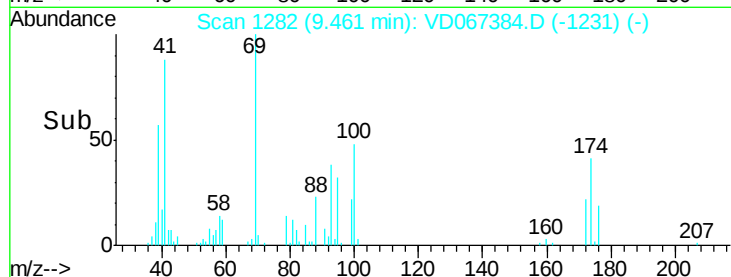
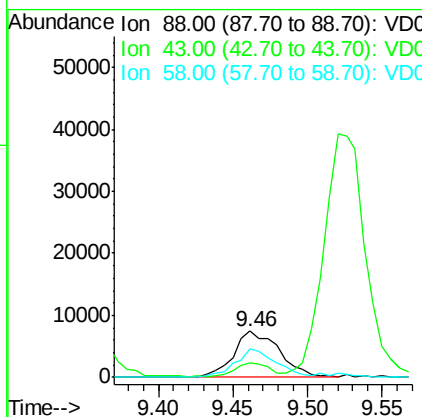
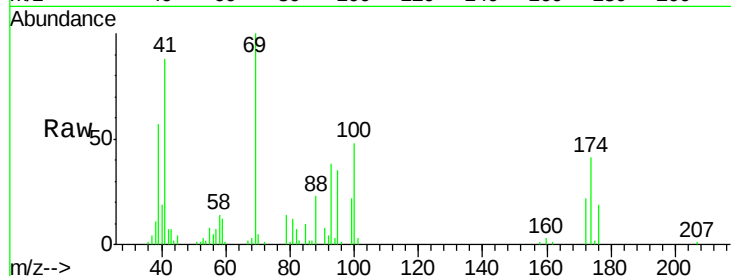
#49
1,4-Dioxane
Concen: 1063.920 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.2	23.9	35.9
58	55.9	51.0	76.6

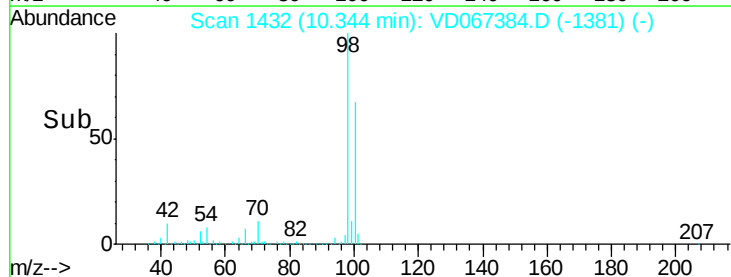
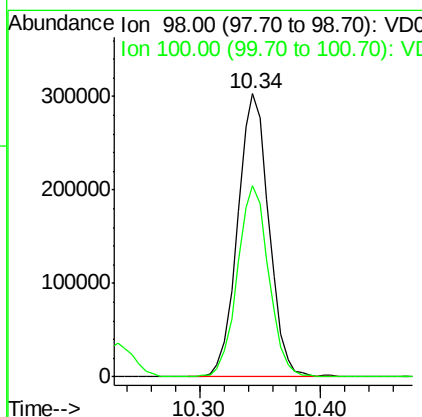
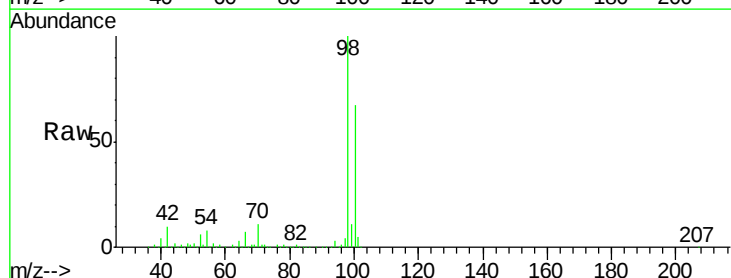
Manual Integrations
APPROVED

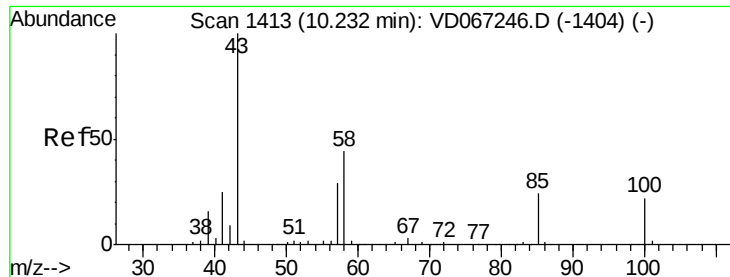
MMDadoda
10/27/2020 11:45:38 AM



#50
Toluene-d8
Concen: 49.574 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 237.350 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 268649

Ion Ratio Lower Upper

43 100

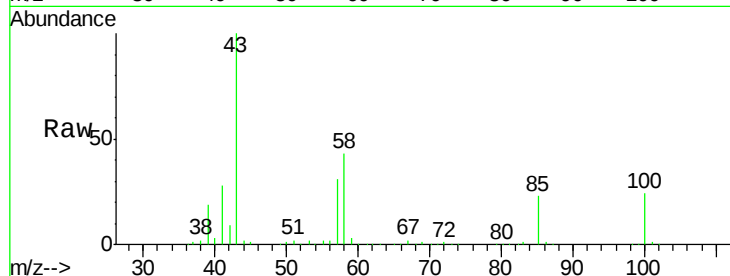
58 43.9 35.7 53.5

Manual Integrations

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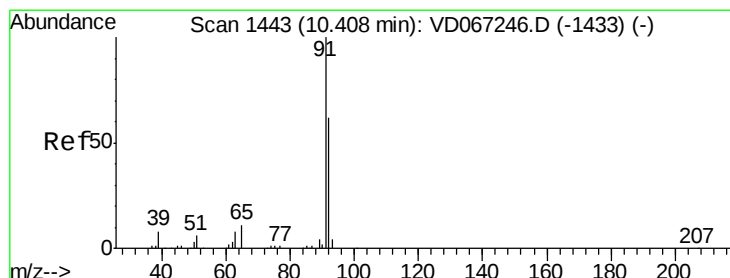
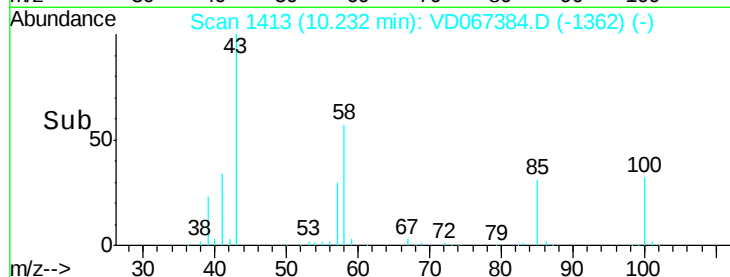
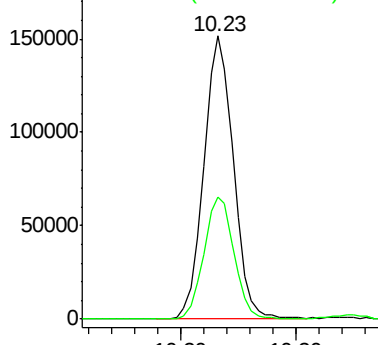
MMDadoda

10/27/2020 11:45:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.923 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067384.D

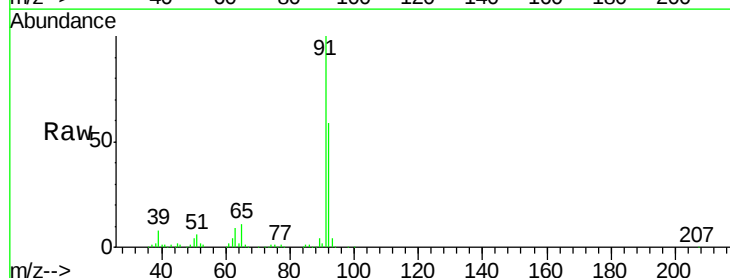
Acq: 26 Oct 2020 11:20

Tgt Ion: 92 Resp: 384386

Ion Ratio Lower Upper

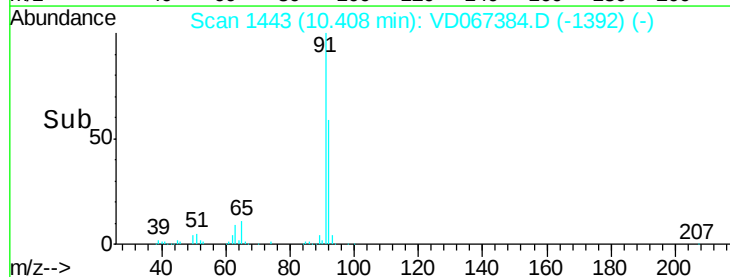
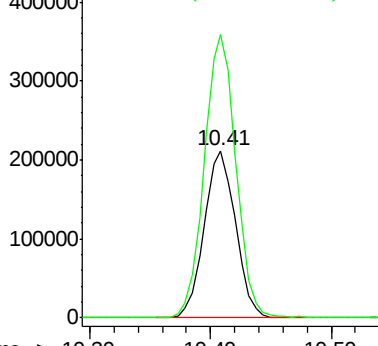
92 100

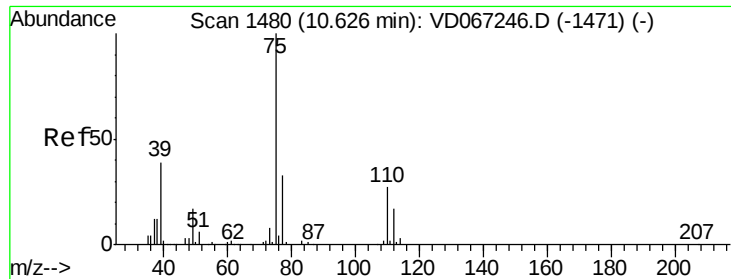
91 170.0 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





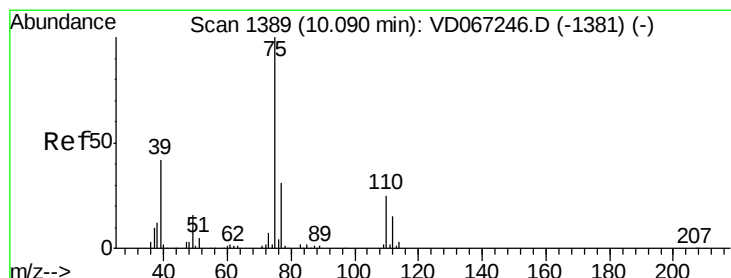
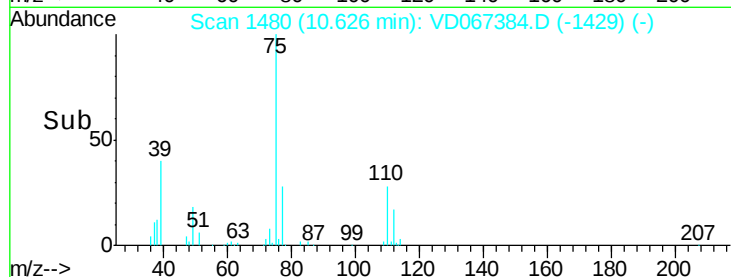
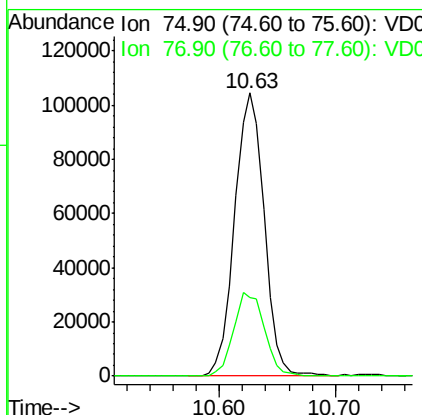
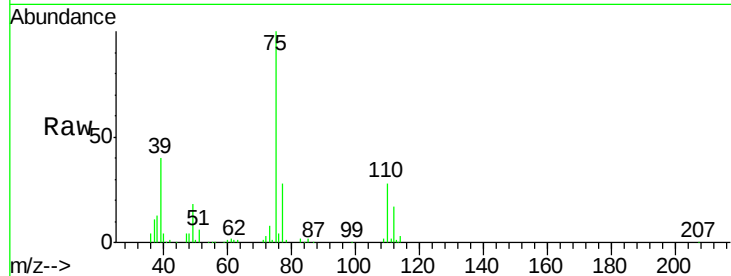
#53
t-1,3-Dichloropropene
Concen: 51.120 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 185265
Ion Ratio Lower Upper
75 100
77 27.8 26.5 39.7

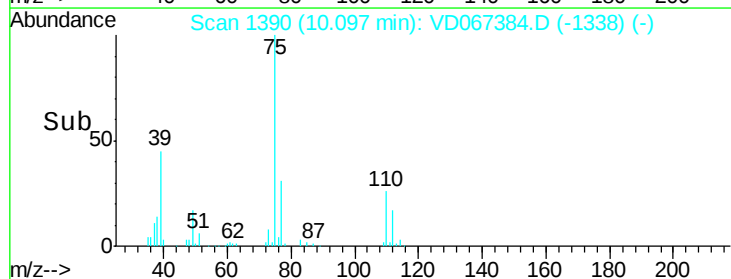
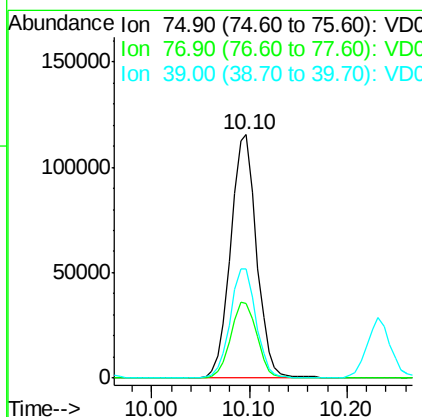
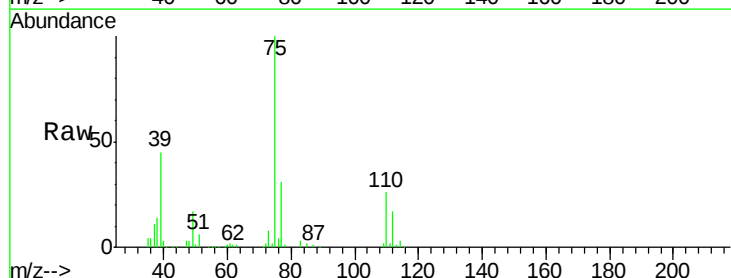
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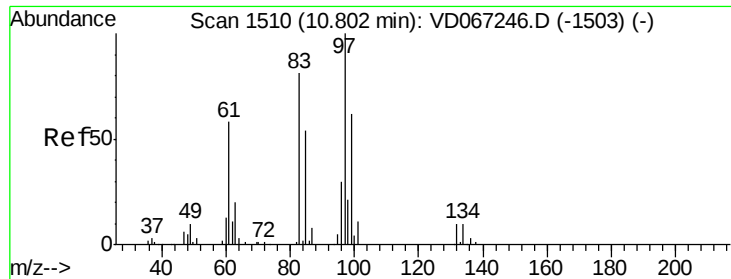
MMDadoda
10/27/2020 11:45:38 AM



#54
cis-1,3-Dichloropropene
Concen: 50.383 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 75 Resp: 213689
Ion Ratio Lower Upper
75 100
77 30.7 24.5 36.7
39 44.4 33.7 50.5





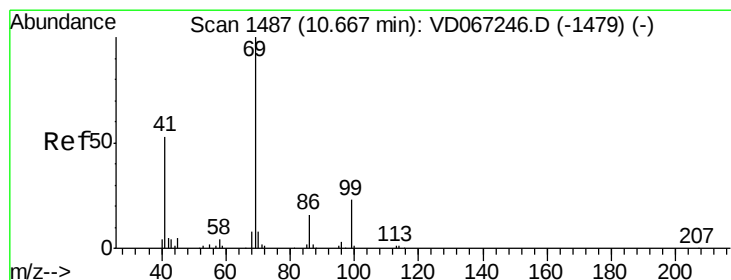
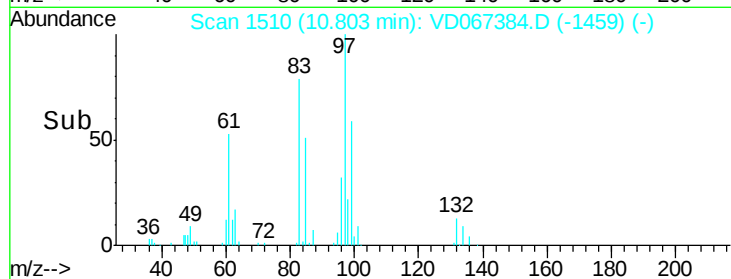
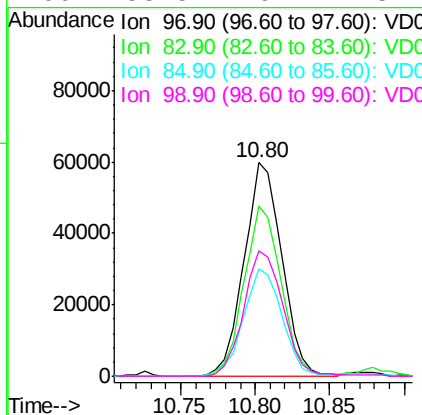
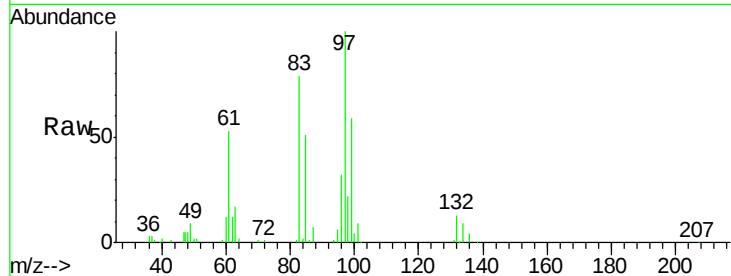
#55
 1,1,2-Trichloroethane
 Concen: 49.889 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	104755
Ion	Ratio	Lower	Upper
97	100		
83	79.5	64.9	97.3
85	50.5	43.3	64.9
99	58.5	49.1	73.7

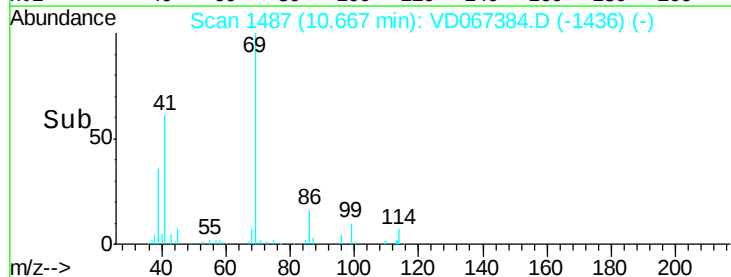
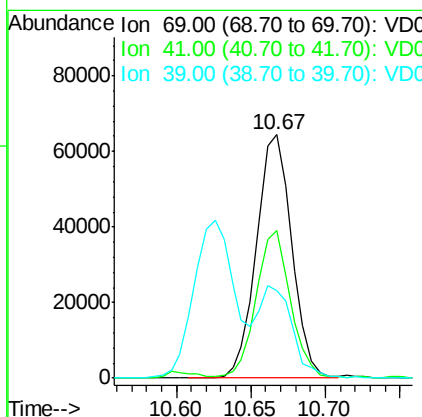
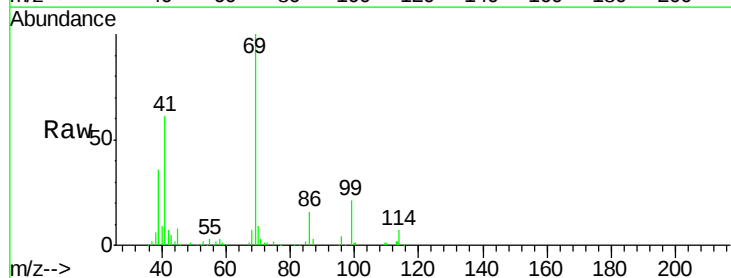
Manual Integrations
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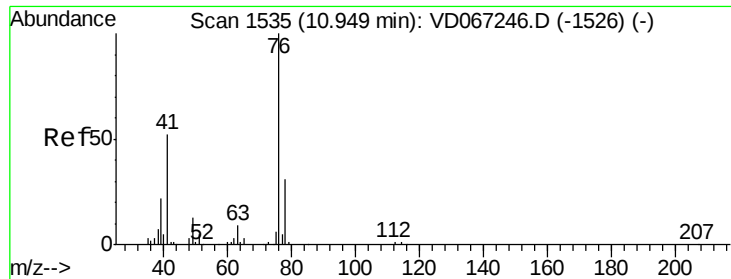
MMDadoda
 10/27/2020 11:45:38 AM



#56
 Ethyl methacrylate
 Concen: 48.429 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	69	Resp	105463
Ion	Ratio	Lower	Upper
69	100		
41	58.7	44.7	67.1
39	35.4	26.2	39.2





#57

1,3-Dichloropropane

Concen: 49.686 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 166032

Ion Ratio Lower Upper

76 100

78 32.5

26.8

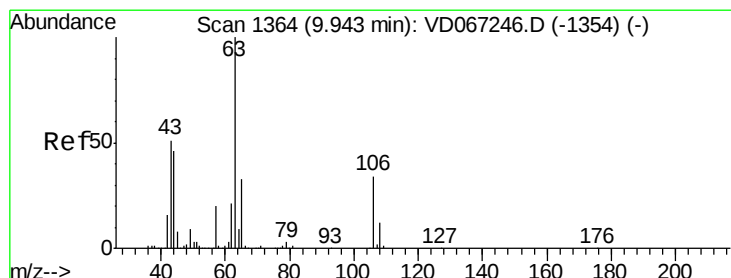
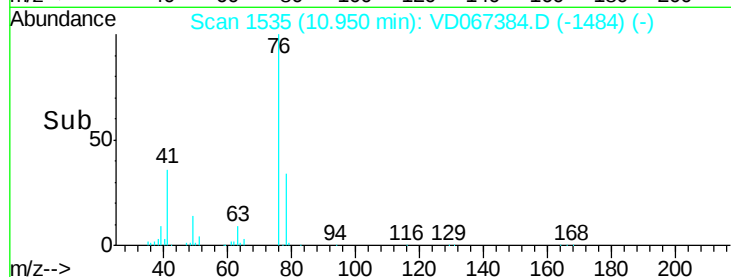
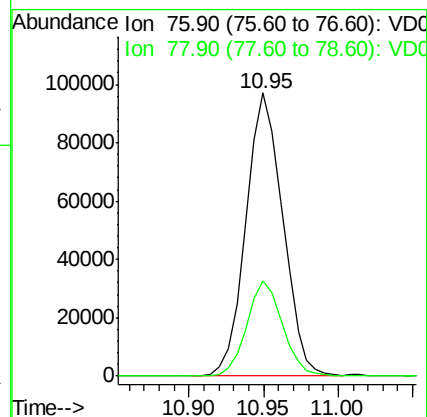
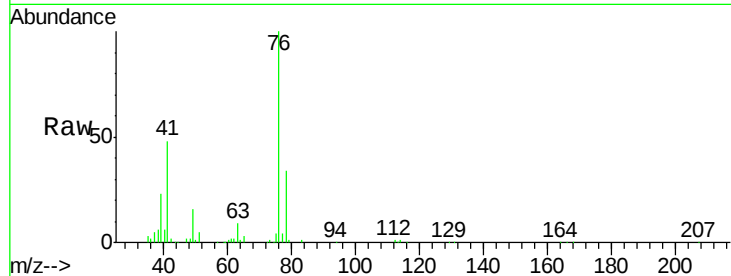
40.2

Manual Integrations

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10/27/2020 11:45:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 238.194 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion: 63 Resp: 266099

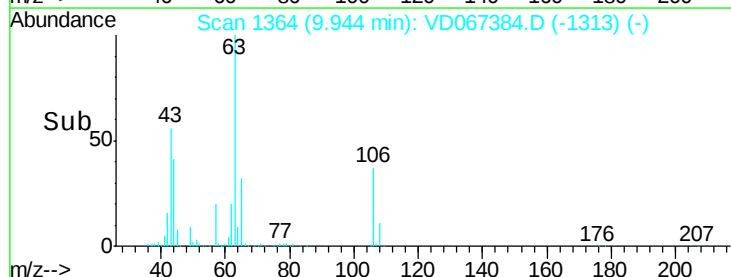
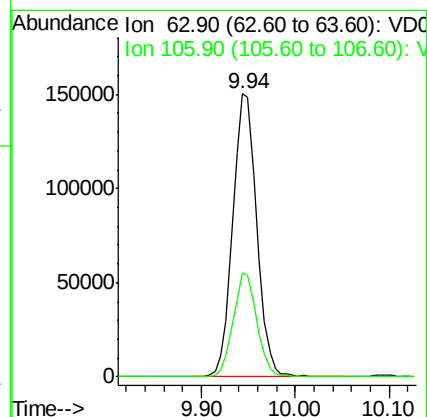
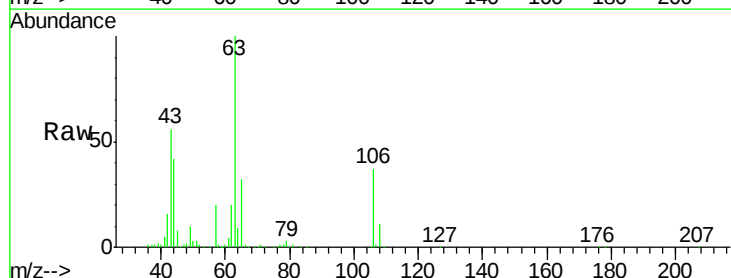
Ion Ratio Lower Upper

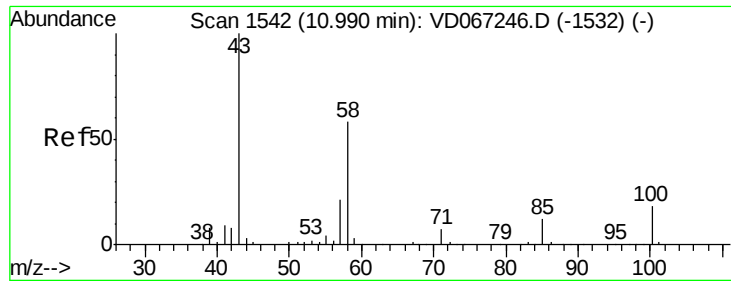
63 100

106 36.5

27.8

41.6





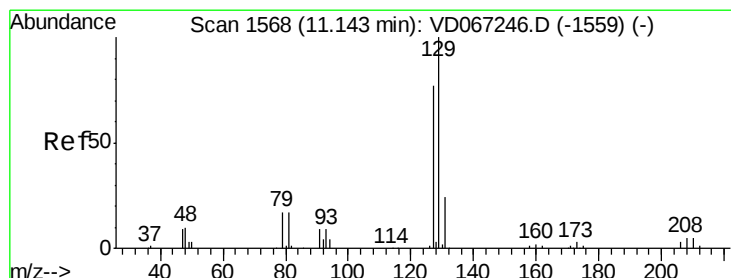
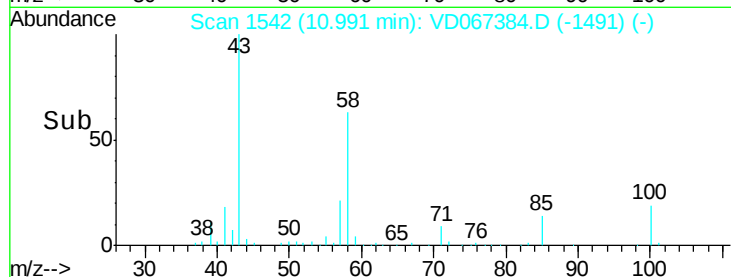
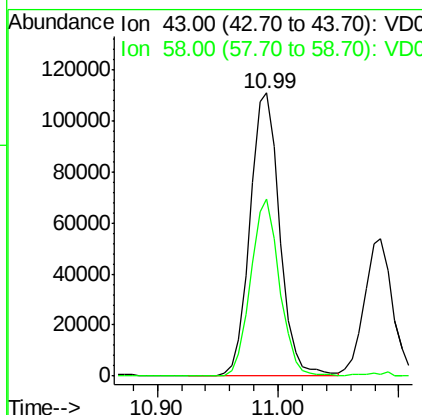
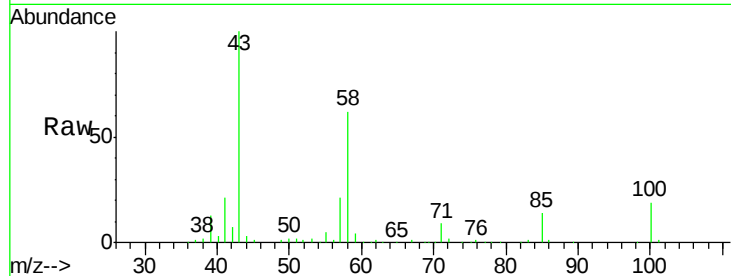
#59
2-Hexanone
Concen: 246.211 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 190429
Ion Ratio Lower Upper
43 100
58 60.6 29.3 87.9

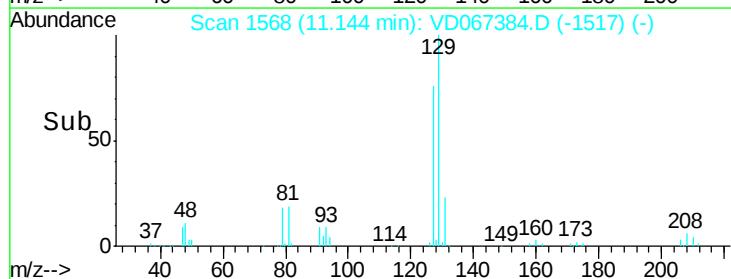
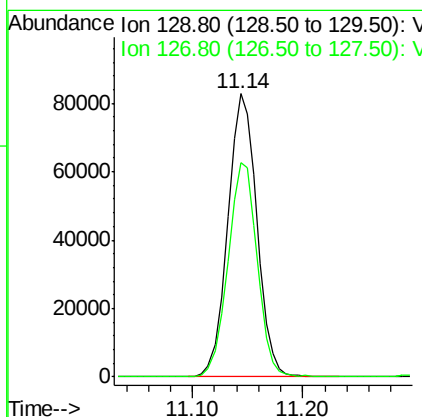
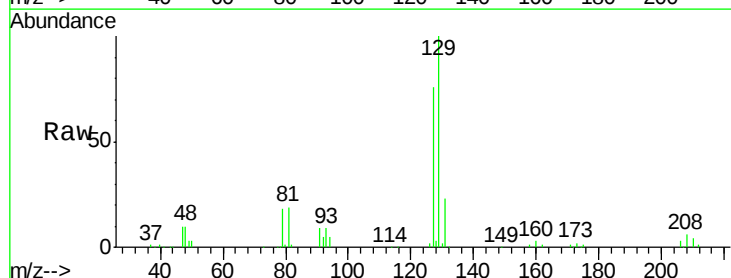
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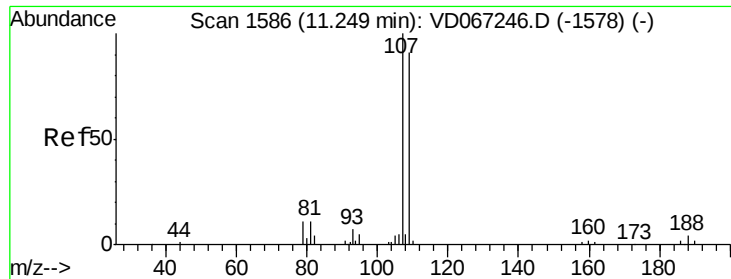
MMDadoda
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#60
Dibromochloromethane
Concen: 49.921 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 129 Resp: 152868
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.8





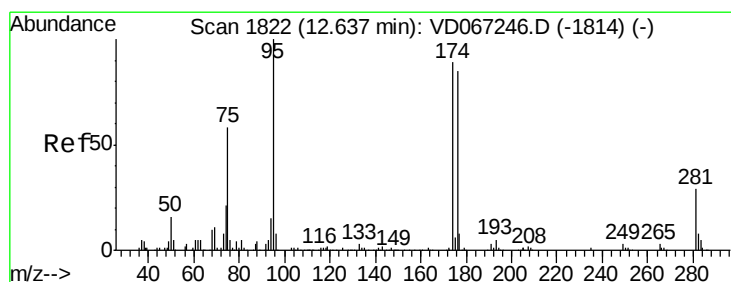
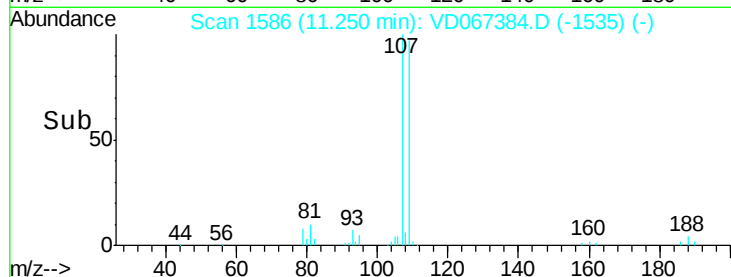
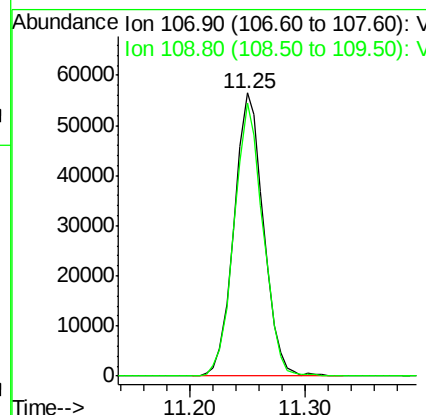
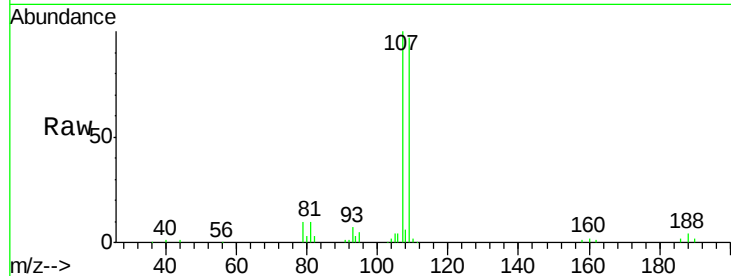
#61
 1,2-Dibromoethane
 Concen: 48.127 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 99626
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.6 112.0

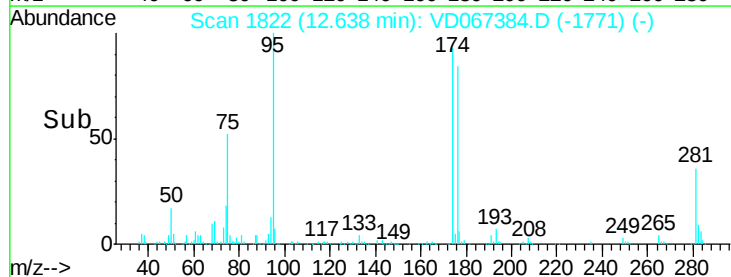
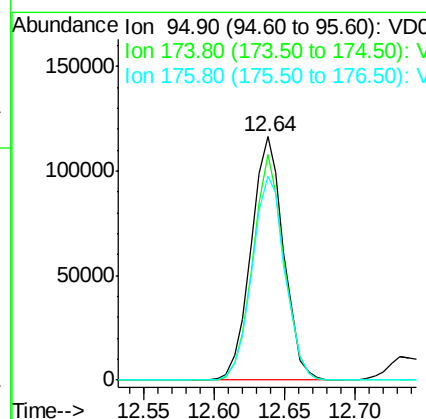
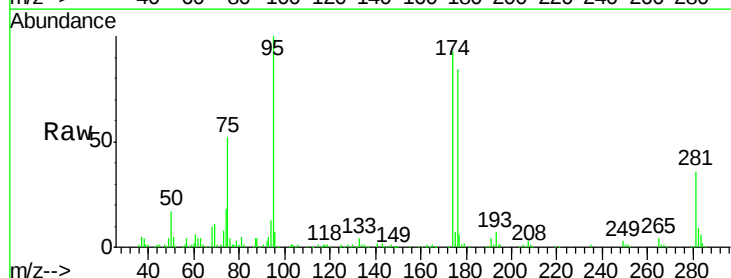
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#62
 4-Bromofluorobenzene
 Concen: 48.991 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion: 95 Resp: 188160
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 175.2
 176 85.0 0.0 168.6





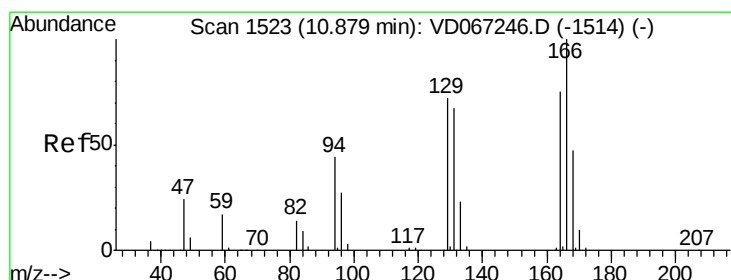
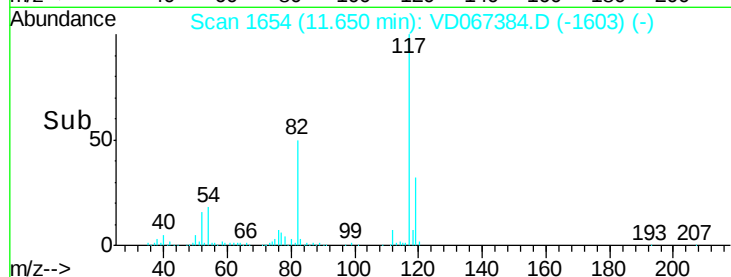
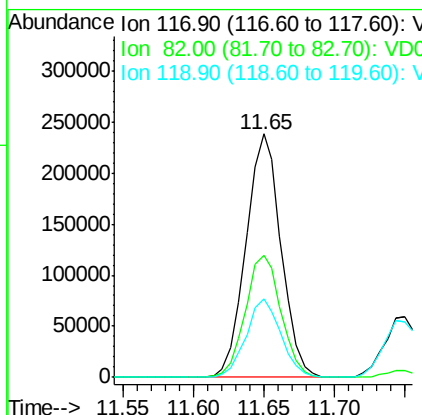
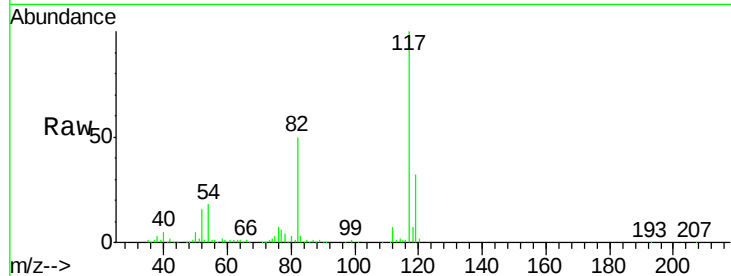
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	39.9	59.9
119	32.3	24.9	37.3

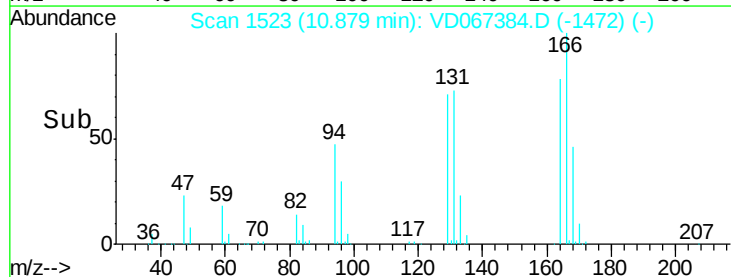
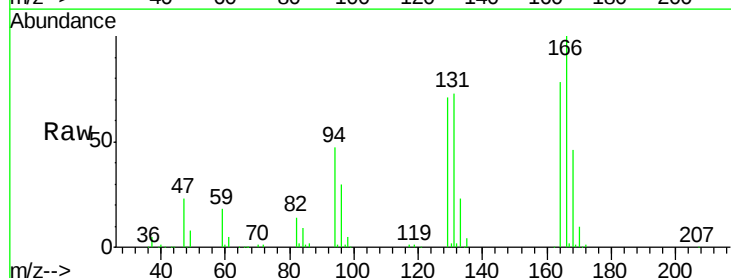
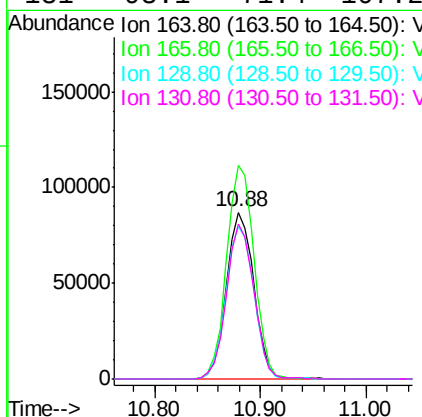
Manual Integrations
APPROVED

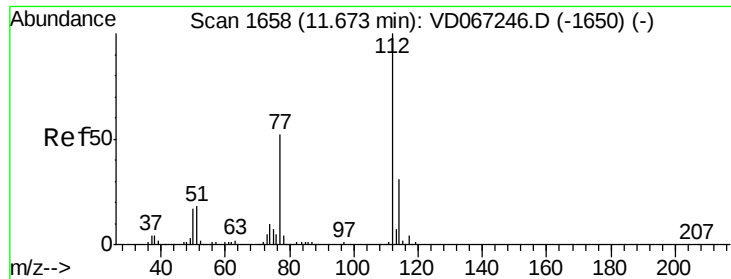
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#64
Tetrachloroethene
Concen: 51.896 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	107.3	160.9
129	91.3	77.3	115.9
131	93.1	71.4	107.2





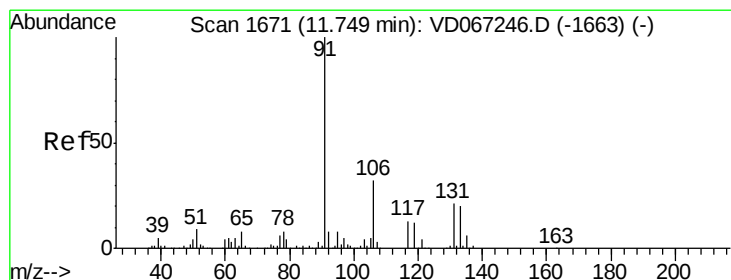
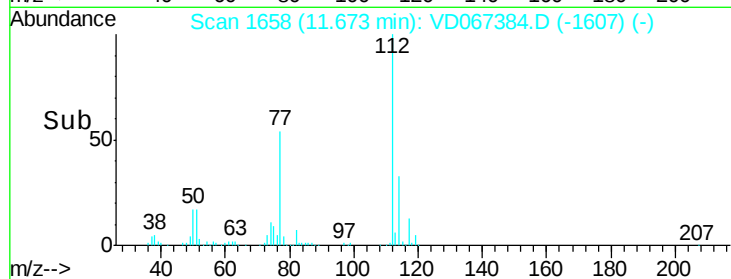
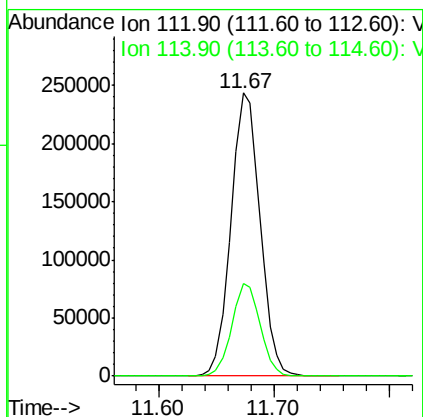
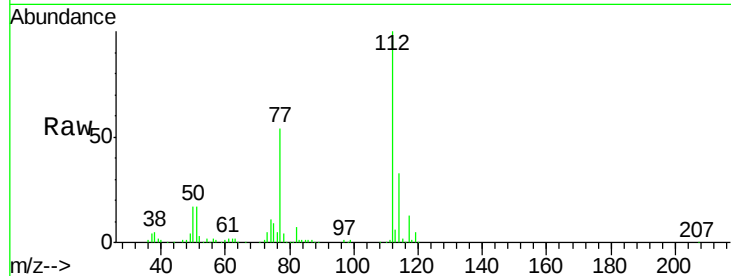
#65
Chlorobenzene
Concen: 53.375 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.0	37.4

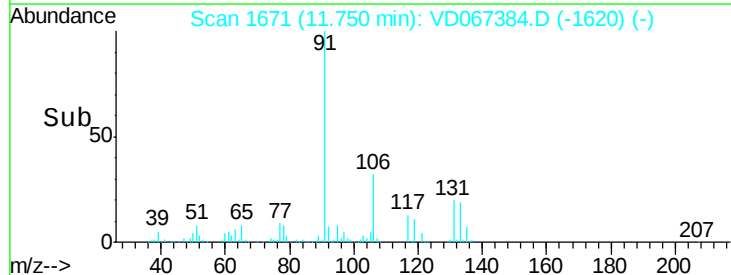
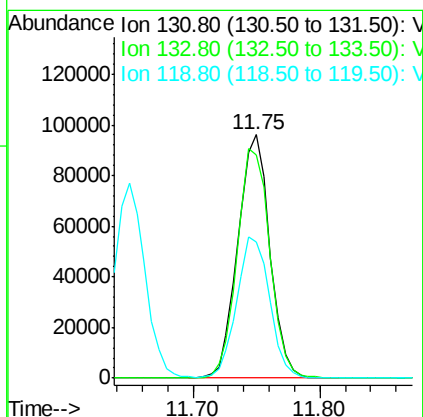
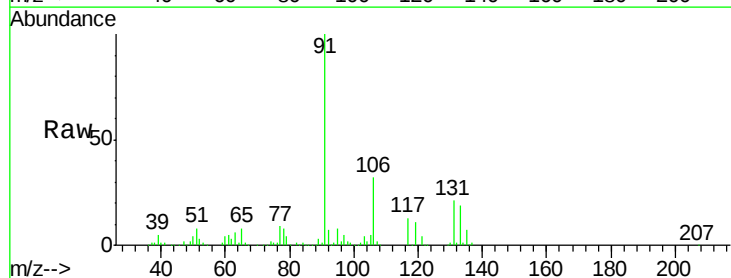
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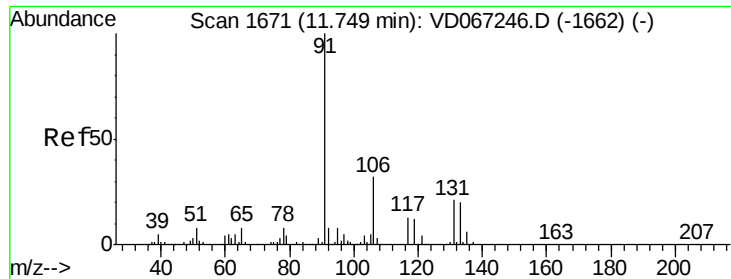
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.200 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.1	144.3
119	59.7	30.0	90.0





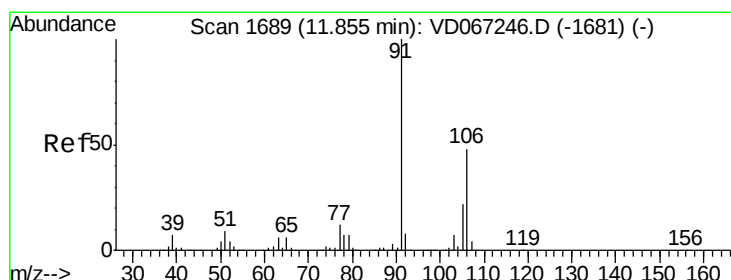
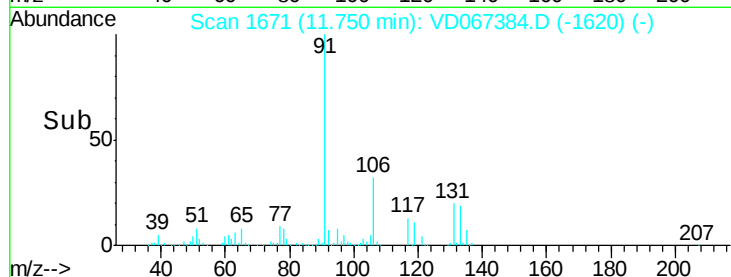
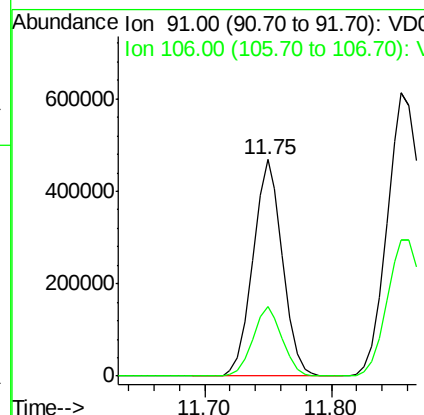
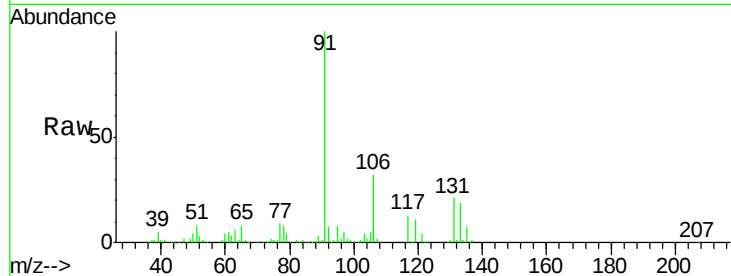
#67
Ethyl Benzene
Concen: 55.719 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 759841
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0

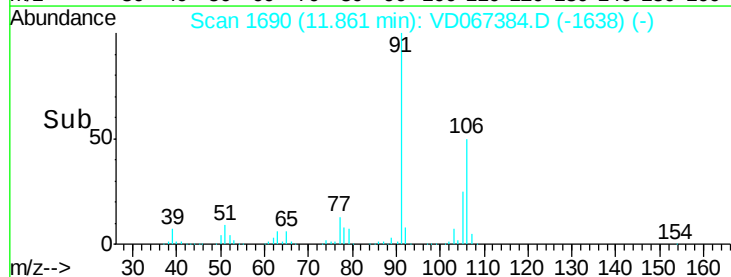
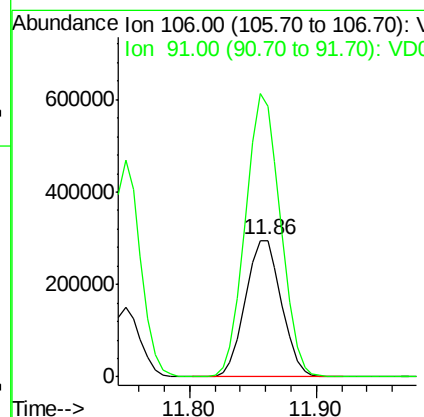
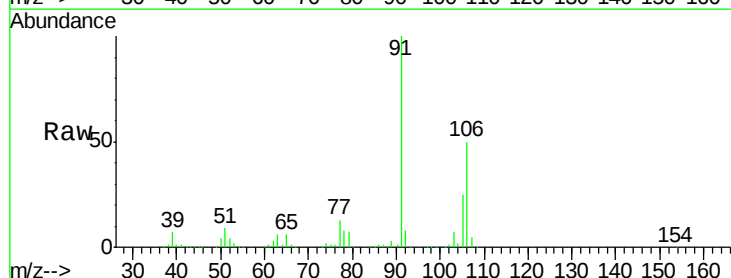
Manual Integrations
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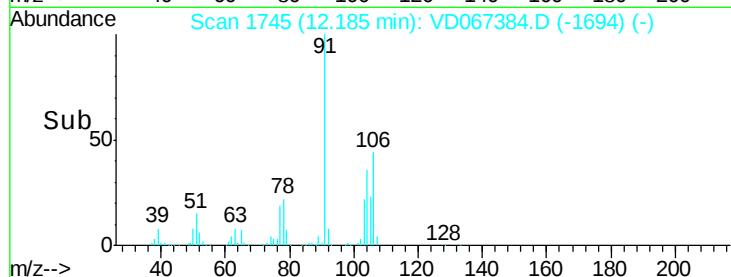
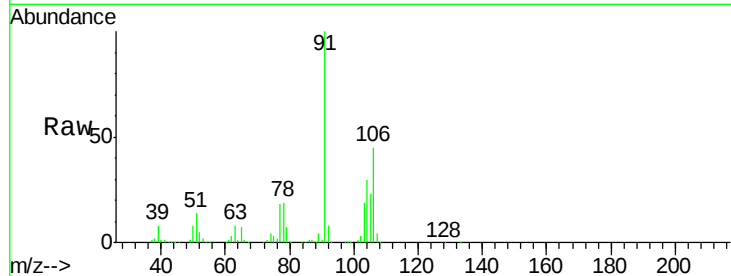
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#68
m/p-Xylenes
Concen: 111.295 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 106 Resp: 584449
Ion Ratio Lower Upper
106 100
91 201.6 163.8 245.8





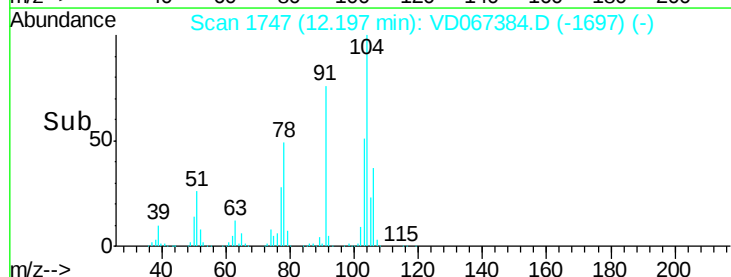
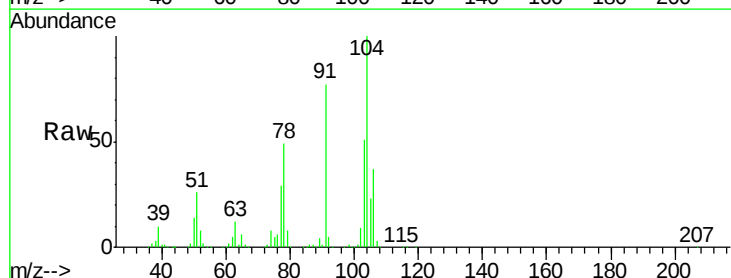
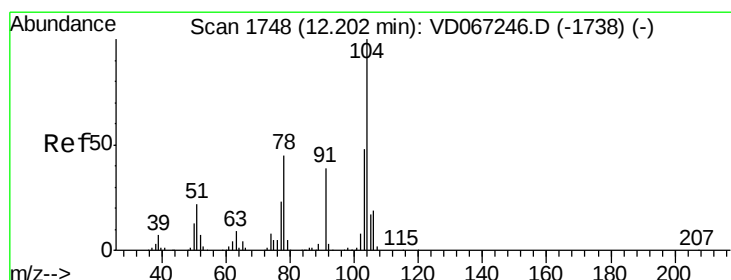
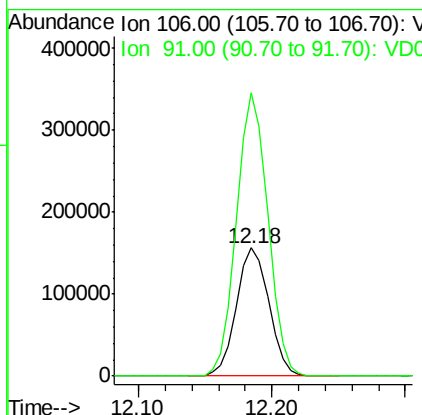
#69
o-Xylene
Concen: 54.322 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tot Ion	Ratio	Resp	Lower	Upper
106	100	264159		
91	213.8	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

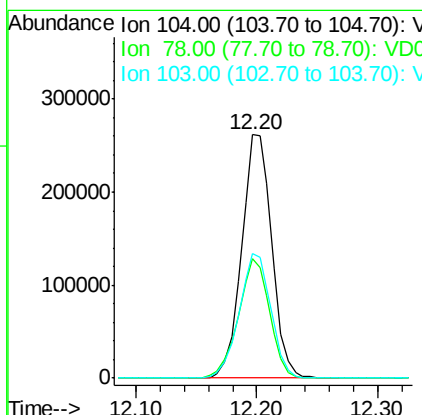
Manual Integrations
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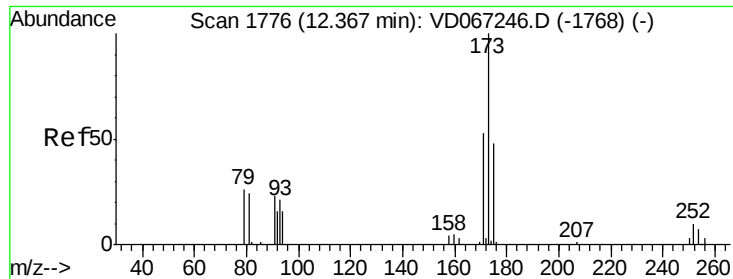
MMDadoda
10/27/2020 11:45:38 AM



#70
Styrene
Concen: 54.198 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	453691		
78	50.9	39.8	59.6	
103	54.0	42.6	64.0	





#71

Bromoform

Concen: 50.237 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 85332

Ion Ratio Lower Upper

173 100

175 47.7 24.2 72.6

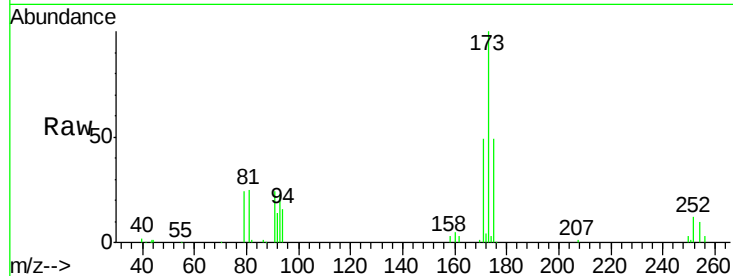
254 0.0 0.1 0.1#

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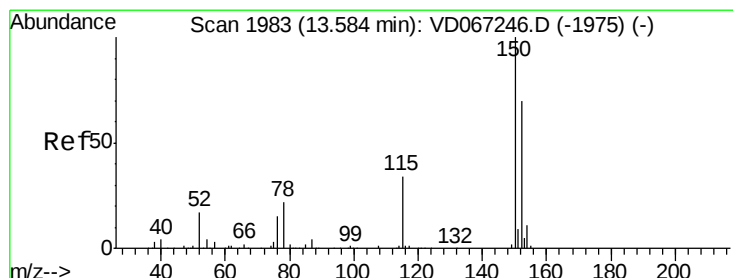
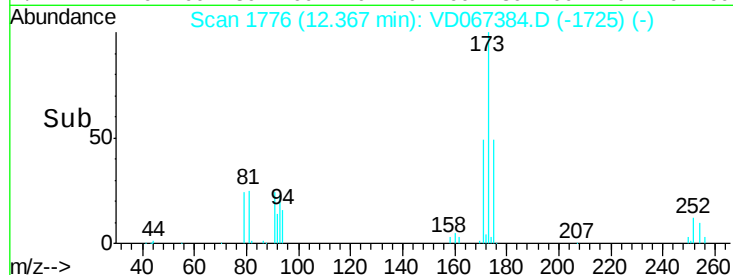
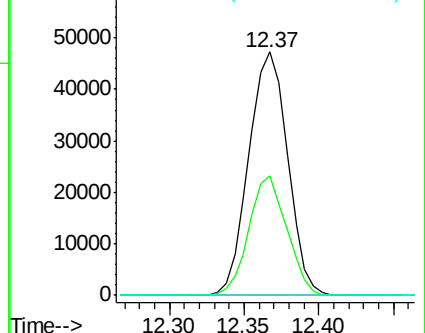
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

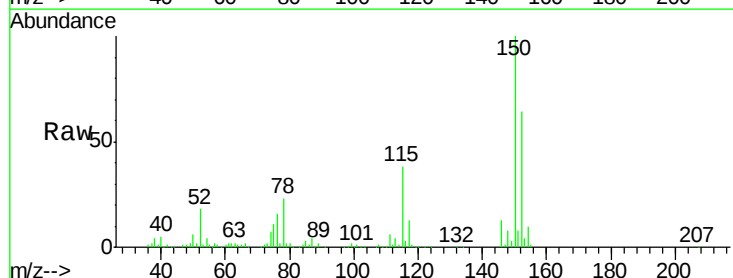
Tgt Ion:152 Resp: 206220

Ion Ratio Lower Upper

152 100

115 59.6 29.3 87.9

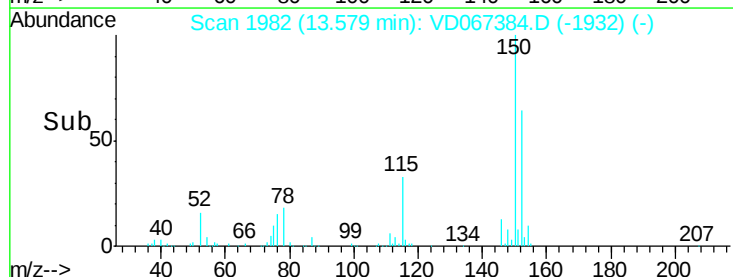
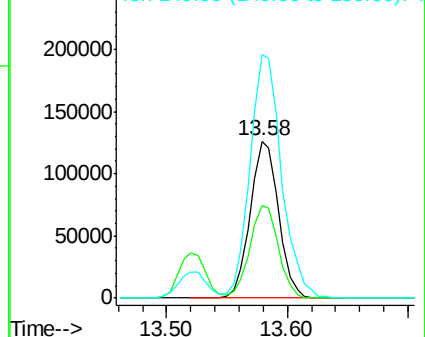
150 172.8 0.0 339.0

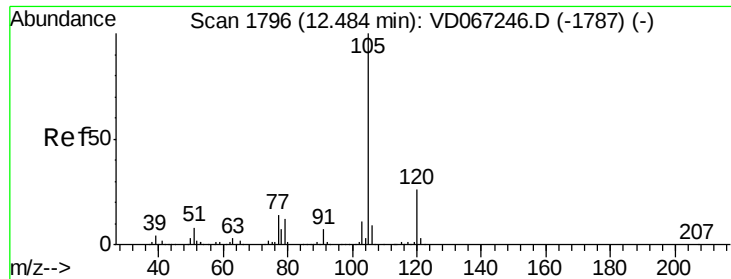


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.235 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 762185

Ion Ratio Lower Upper

105 100

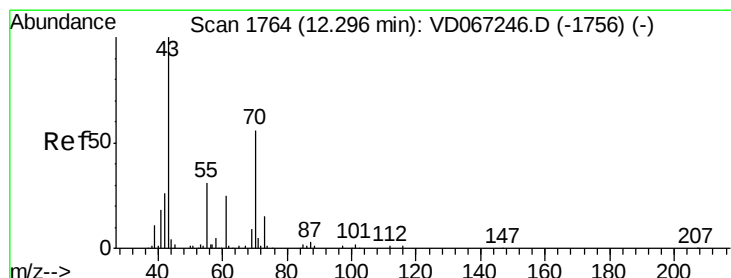
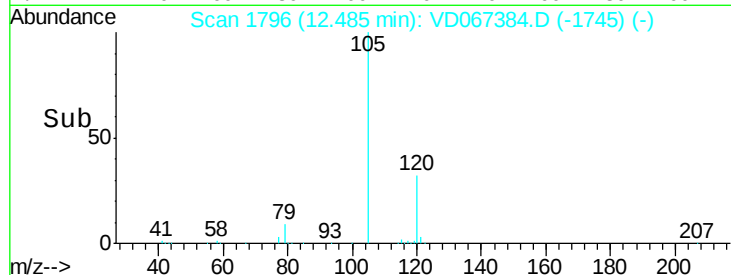
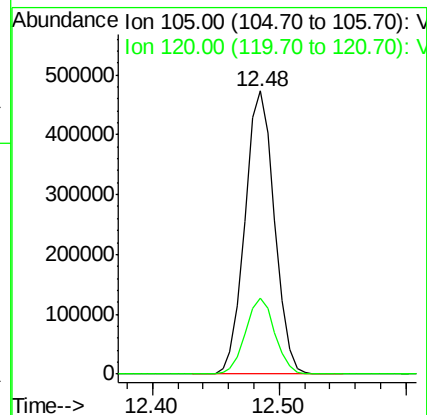
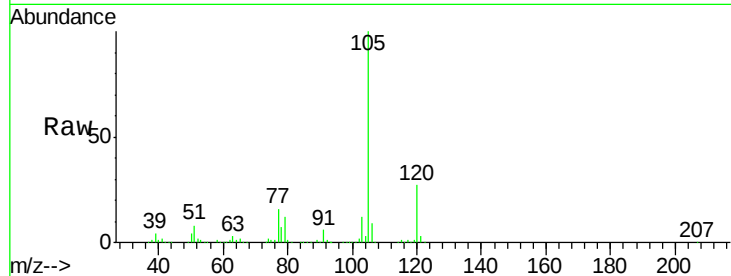
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 49.657 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion: 43 Resp: 98159

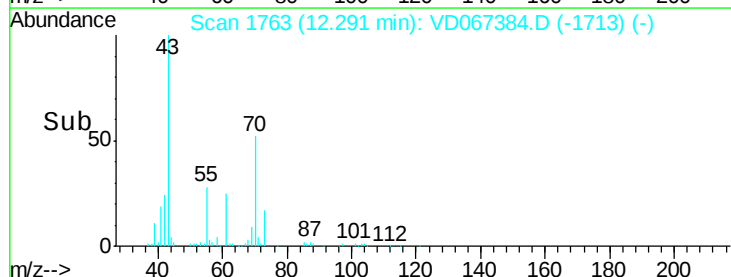
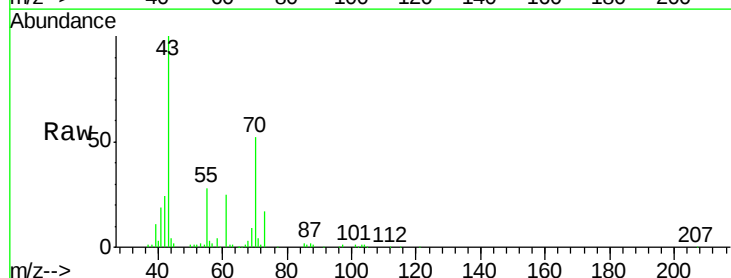
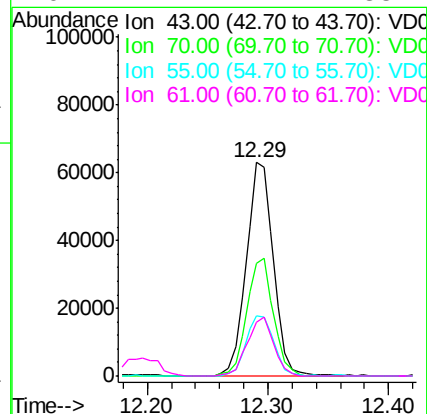
Ion Ratio Lower Upper

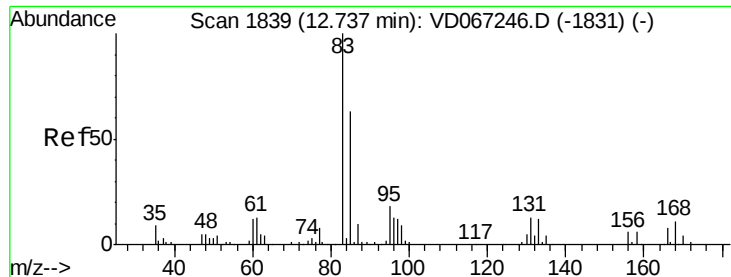
43 100

70 54.2 42.7 64.1

55 29.2 24.0 36.0

61 27.1 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.879 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

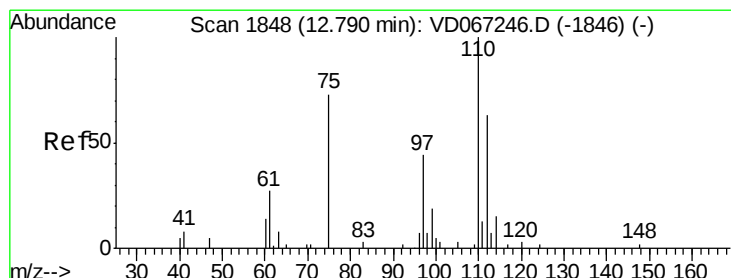
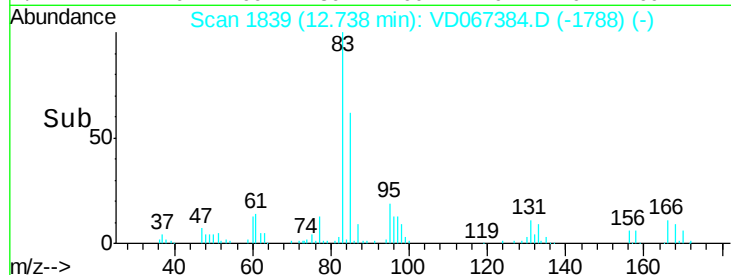
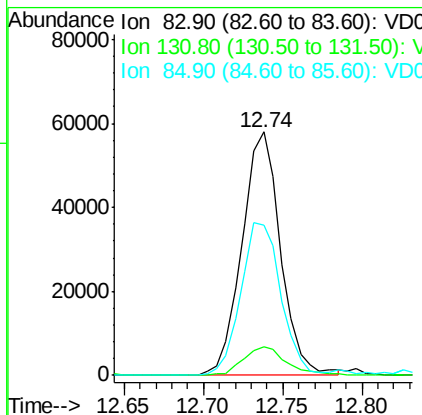
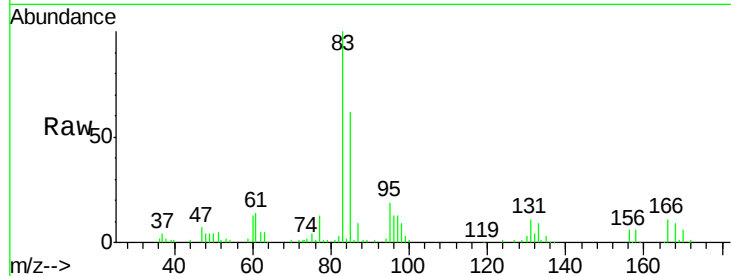
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	98021
Ion Ratio	Lower	Upper	
83	100		
131	13.1	6.5	19.5
85	65.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 52.544 ug/l m

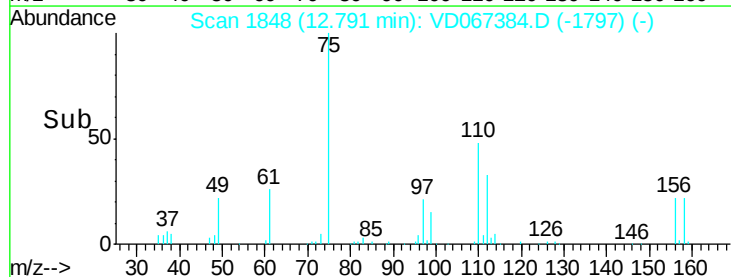
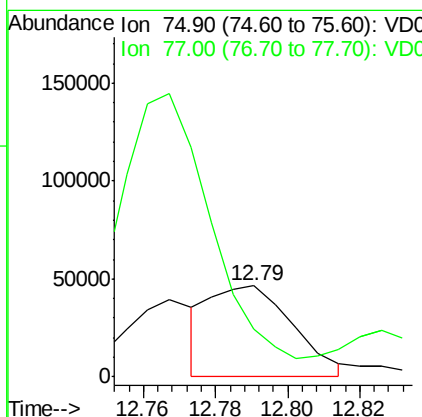
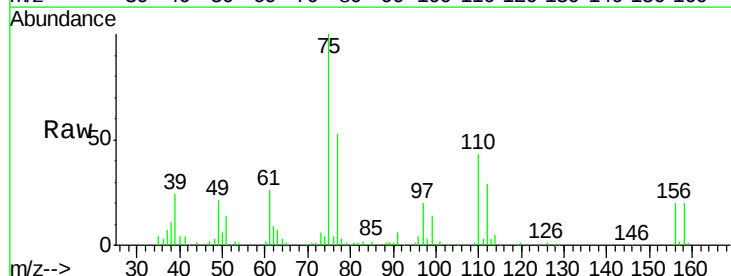
RT: 12.79 min Scan# 1848

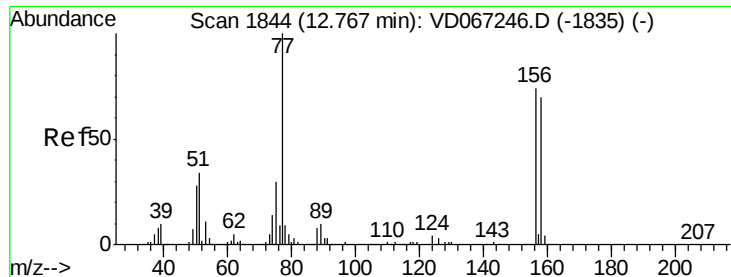
Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion:	75	Resp:	75101
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





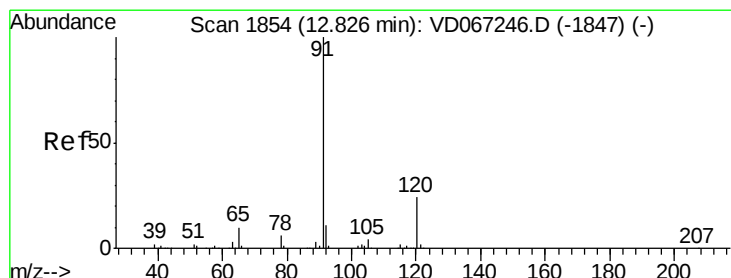
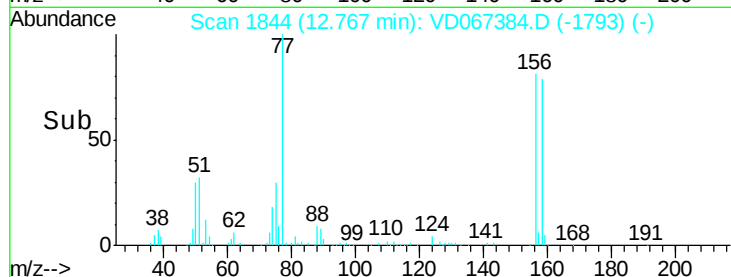
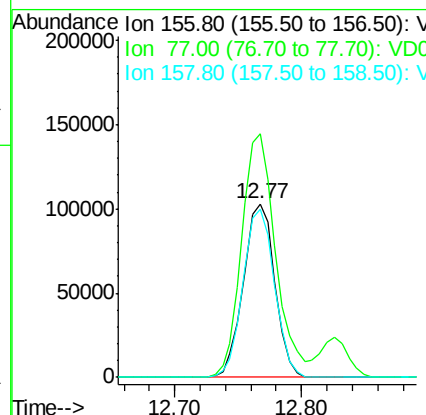
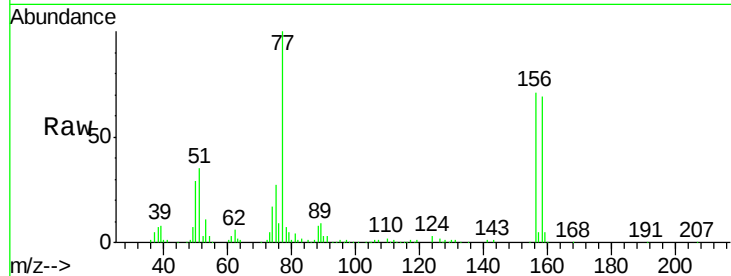
#77
Bromobenzene
Concen: 54.243 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.9	78.0	233.8
158	97.3	49.1	147.3

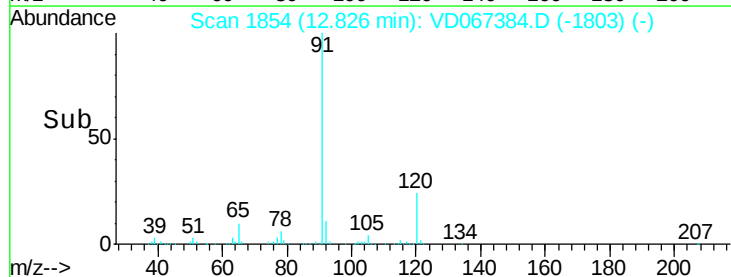
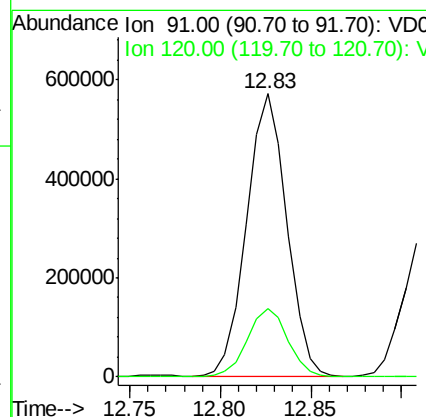
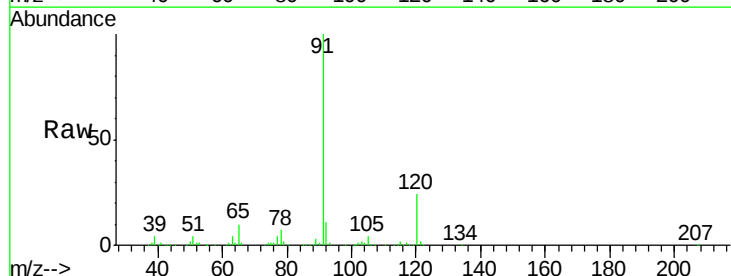
Manual Integrations
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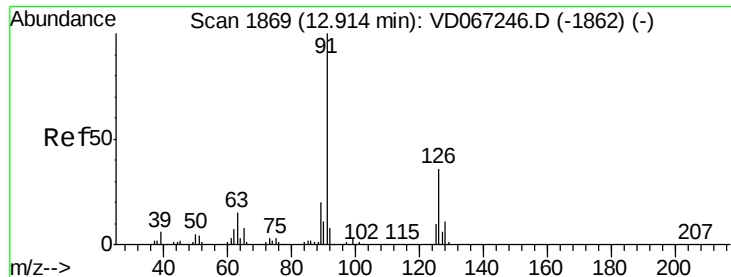
MMDadoda
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#78
n-propylbenzene
Concen: 57.879 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.9	35.9





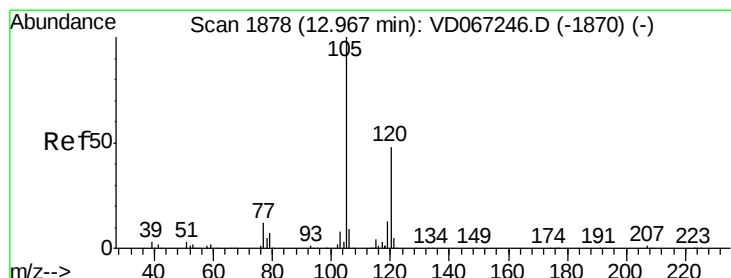
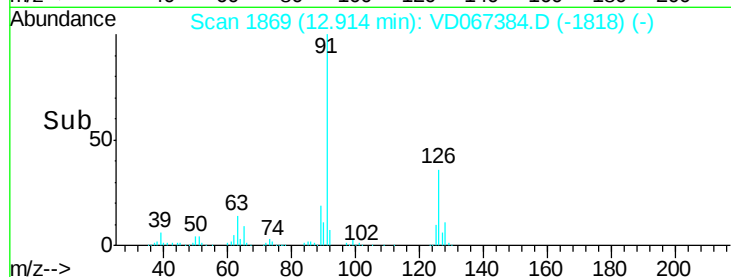
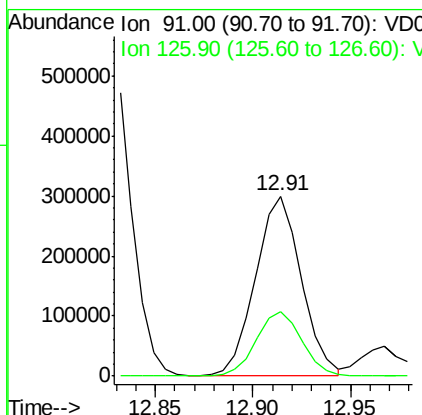
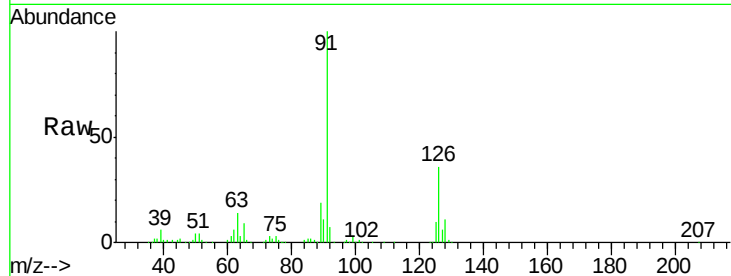
#79
2-Chlorotoluene
Concen: 55.225 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 485647
Ion Ratio Lower Upper
91 100
126 36.0 17.6 52.8

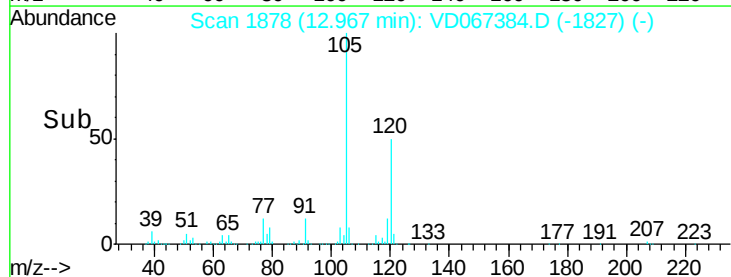
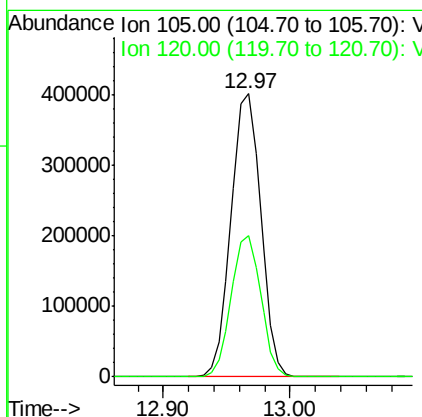
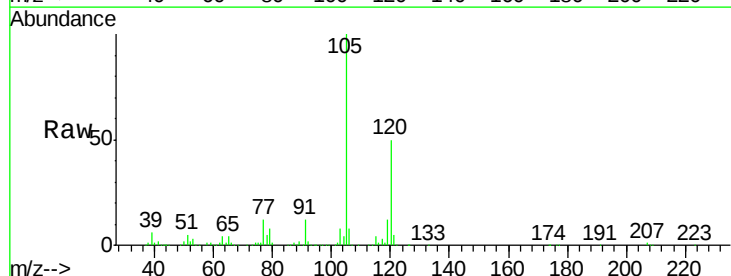
Manual Integrations
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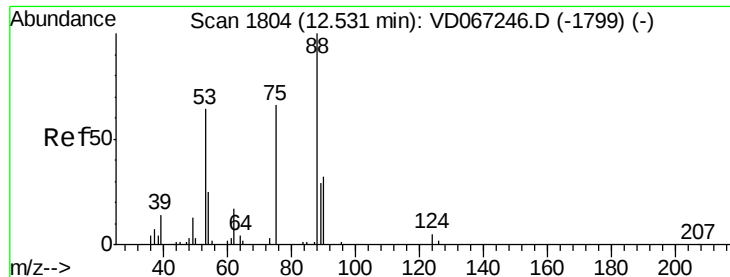
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 57.638 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 105 Resp: 655545
Ion Ratio Lower Upper
105 100
120 49.7 24.3 72.8





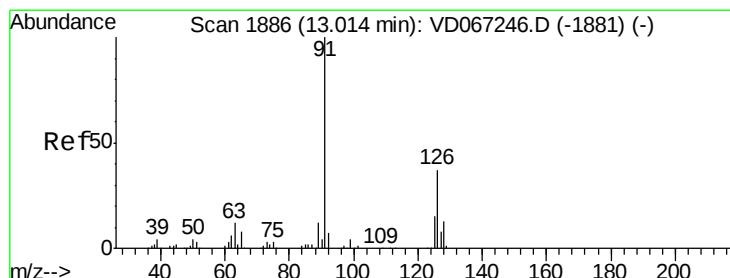
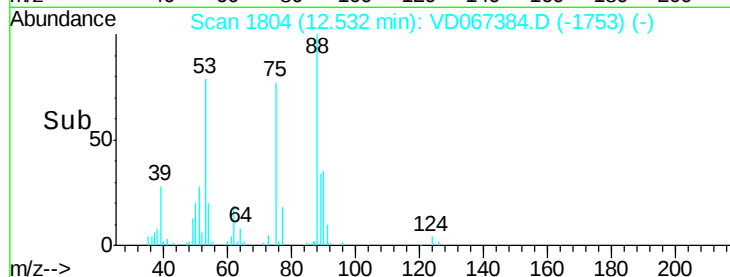
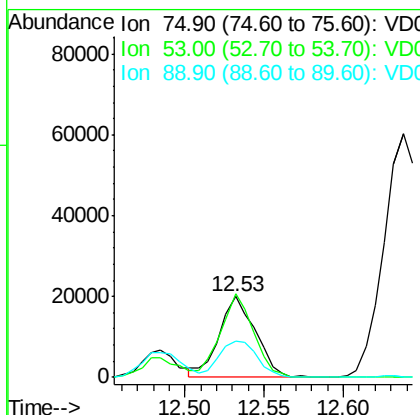
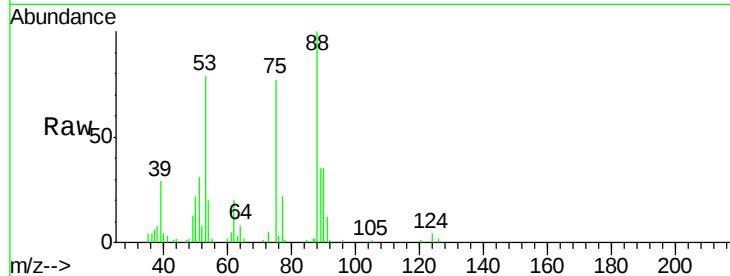
#81
trans-1,4-Dichloro-2-butene
Concen: 50.209 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	78.5	117.7
89	47.7	39.9	59.9

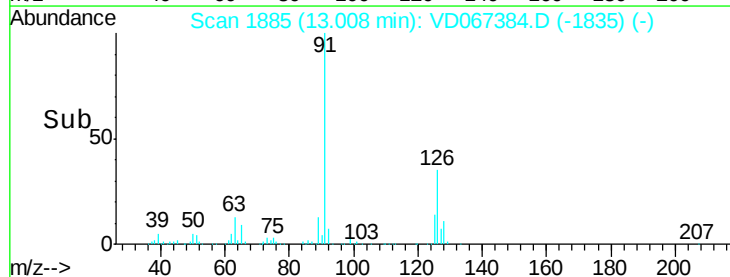
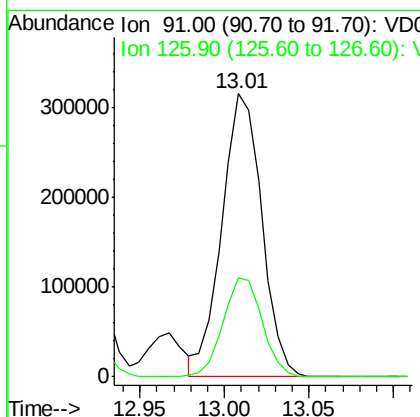
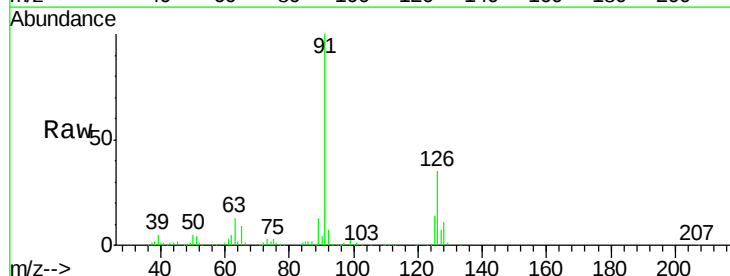
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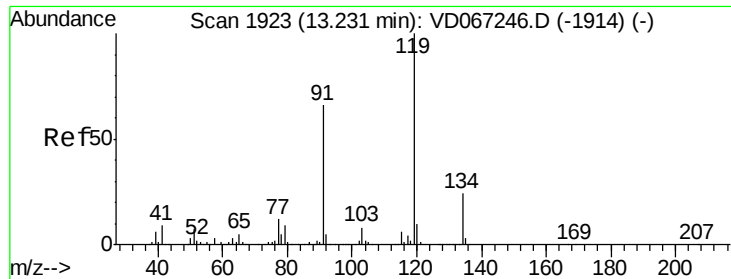
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#82
4-Chlorotoluene
Concen: 55.678 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.8	53.5





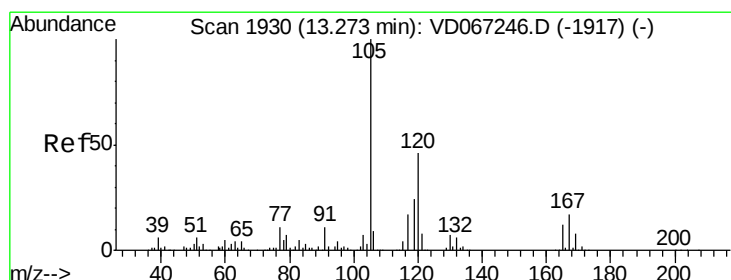
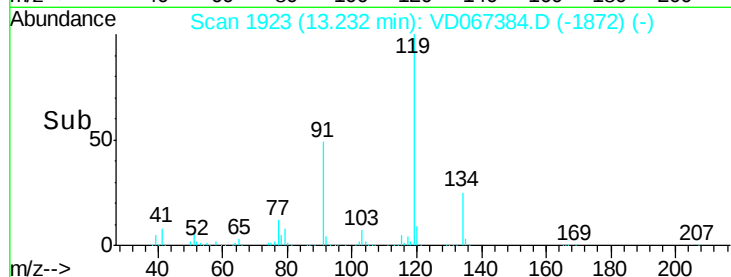
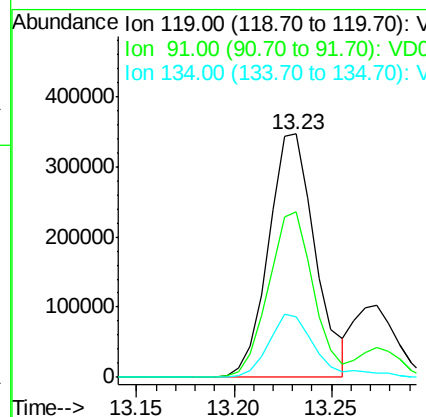
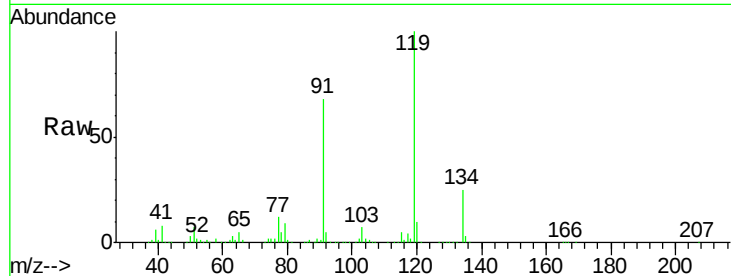
#83
tert-Butylbenzene
Concen: 59.854 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	575035		
91	65.5		33.1	99.2
134	26.7		13.3	39.9

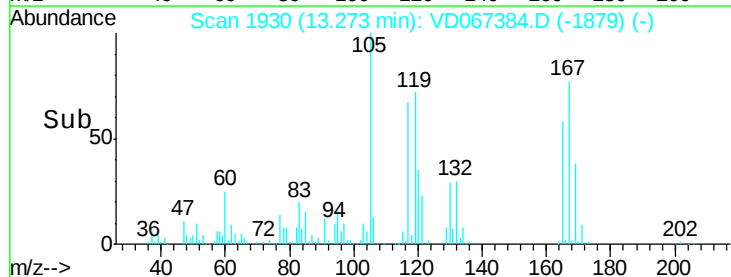
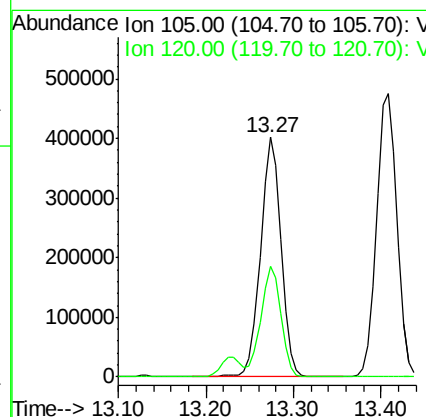
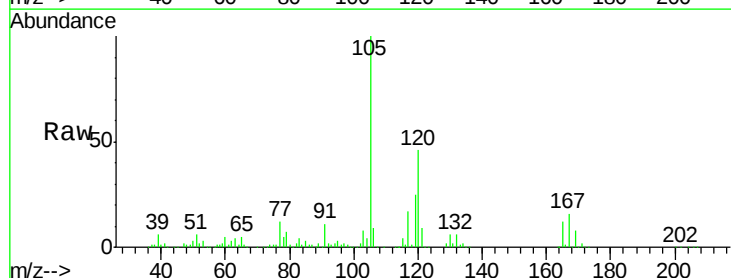
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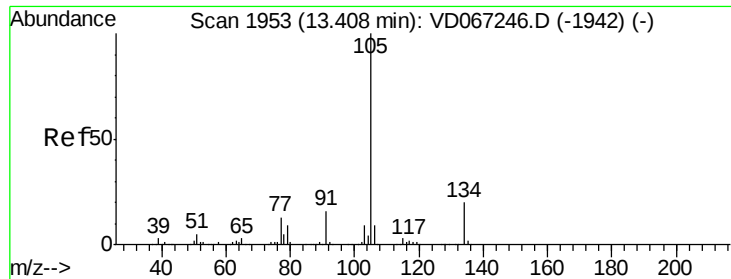
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#84
1,2,4-Trimethylbenzene
Concen: 57.176 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	642730		
120	45.6		22.4	67.3





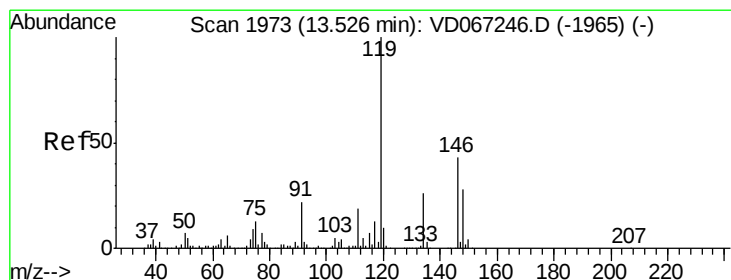
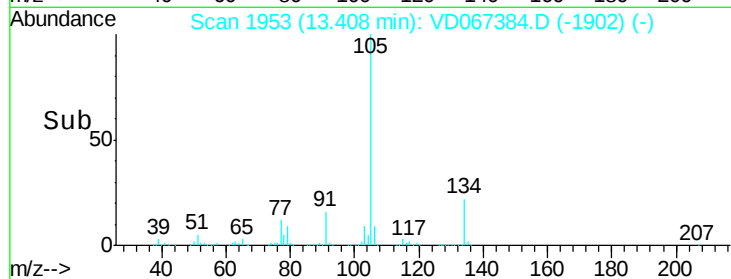
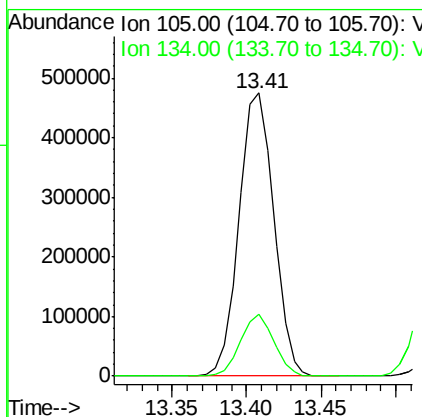
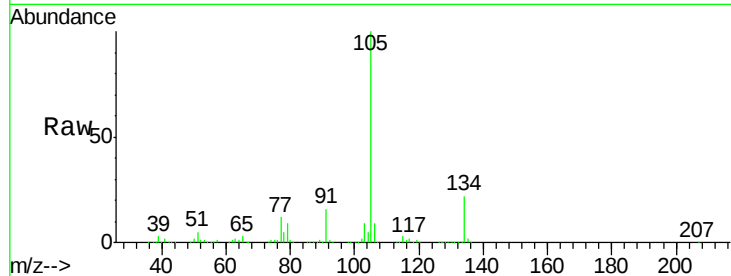
#85
 sec-Butylbenzene
 Concen: 58.408 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.5	31.5

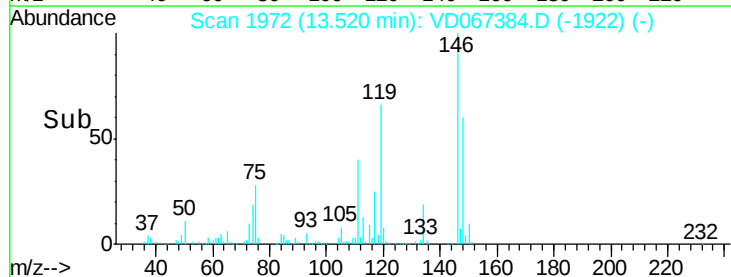
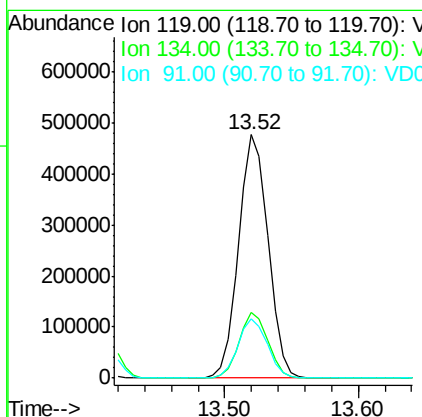
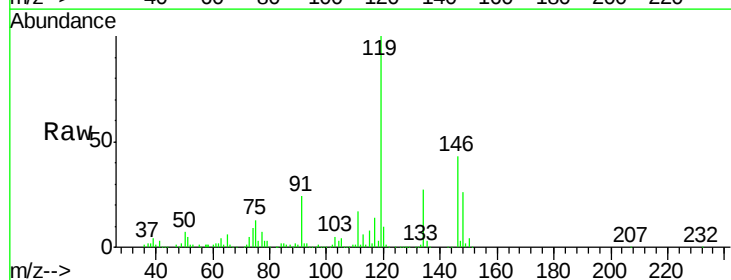
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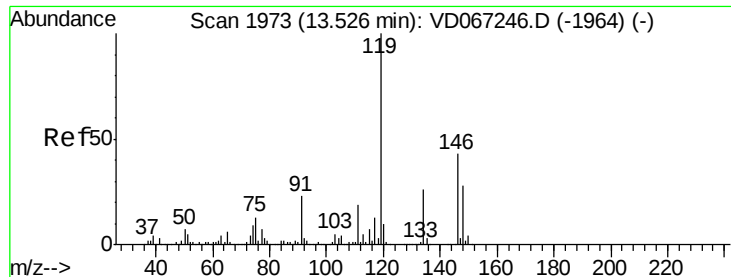
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 10/27/2020 11:45:38 AM



#86
 p-Isopropyltoluene
 Concen: 58.237 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.1	39.3
91	24.3	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 54.077 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

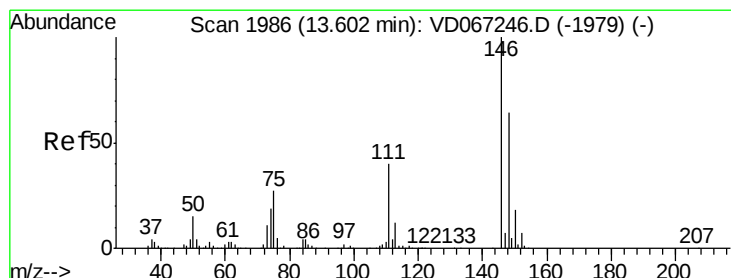
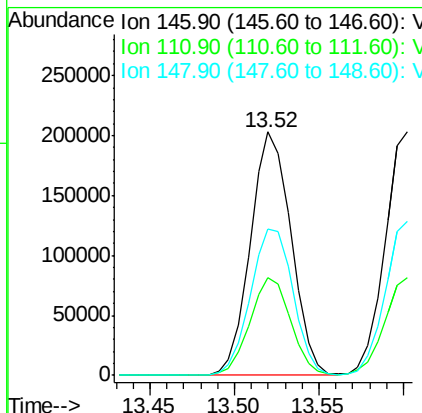
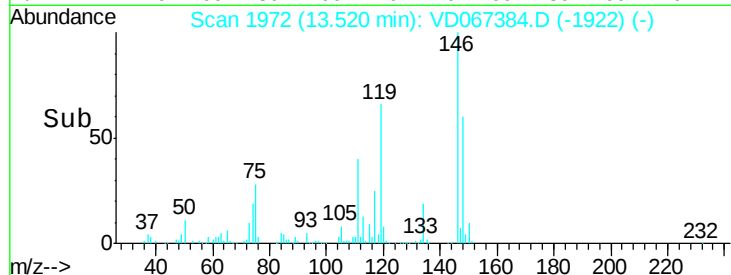
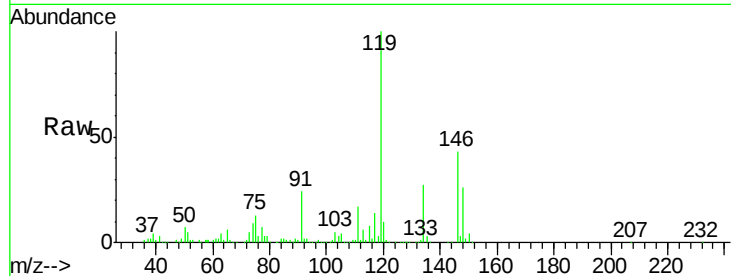
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	339632
Ion Ratio	Lower	Upper	
146	100		
111	40.3	21.1	63.3
148	62.9	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.926 ug/l

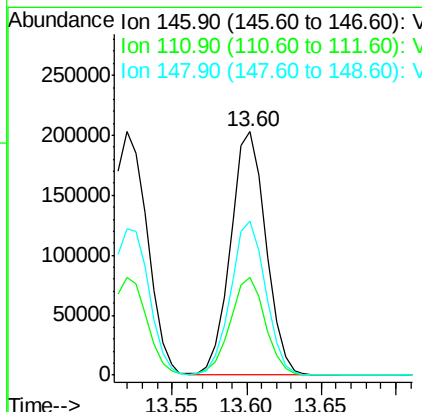
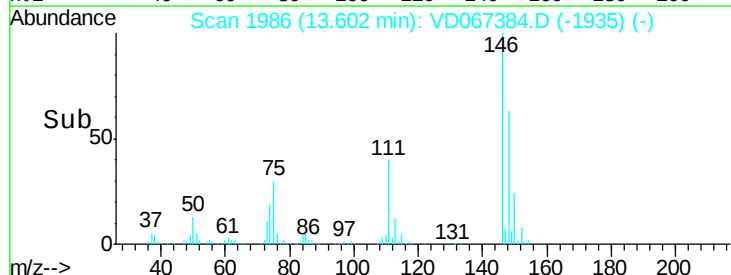
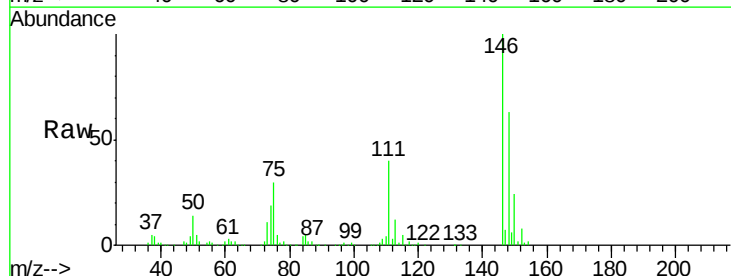
RT: 13.60 min Scan# 1986

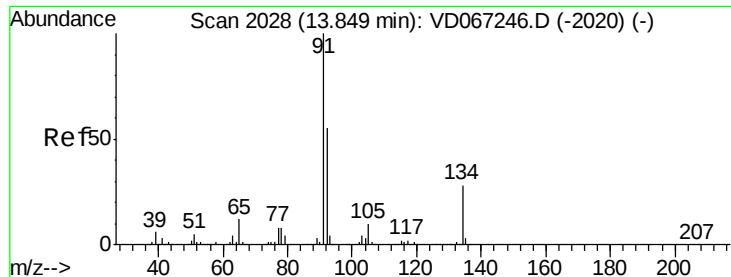
Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion:	146	Resp:	335554
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.9	59.7
148	62.5	31.9	95.9





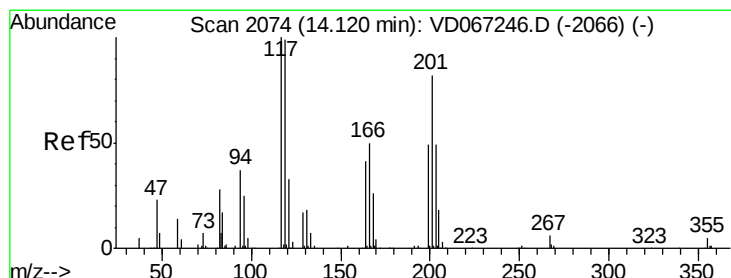
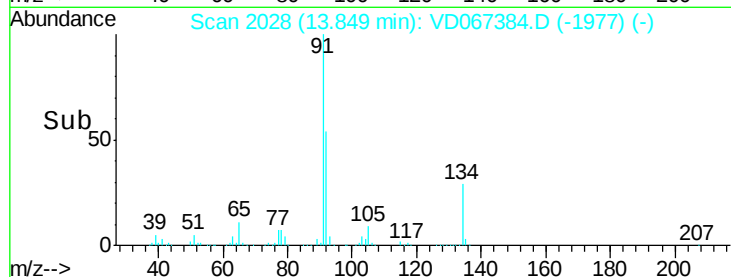
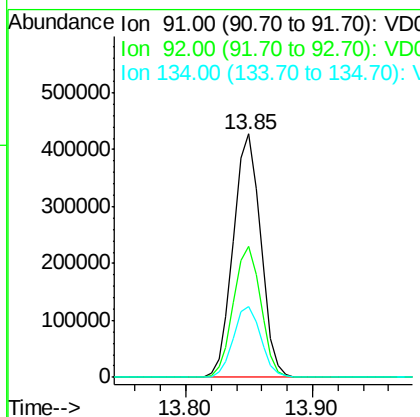
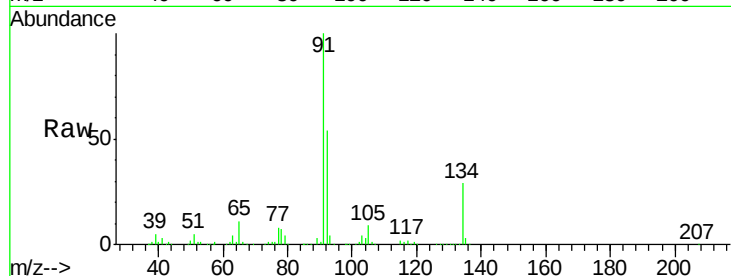
#89
n-Butylbenzene
Concen: 58.617 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.0
134	29.0	14.2	42.6

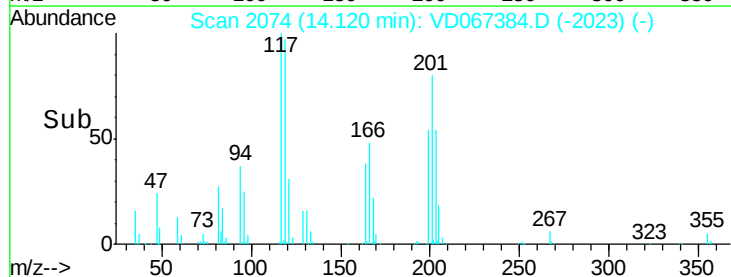
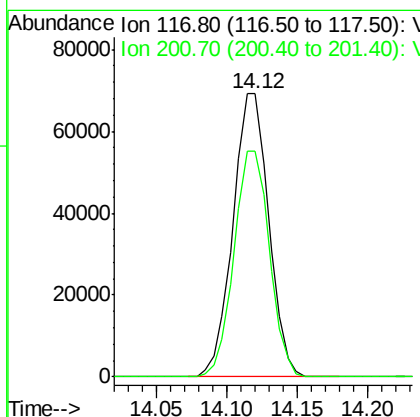
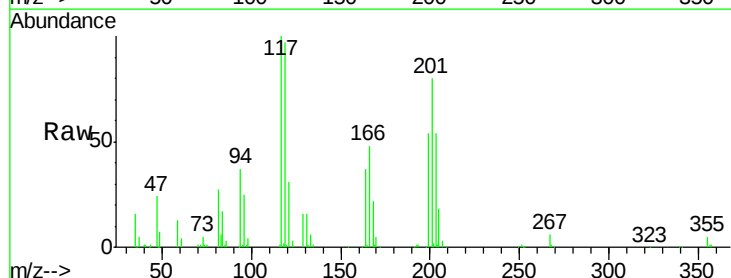
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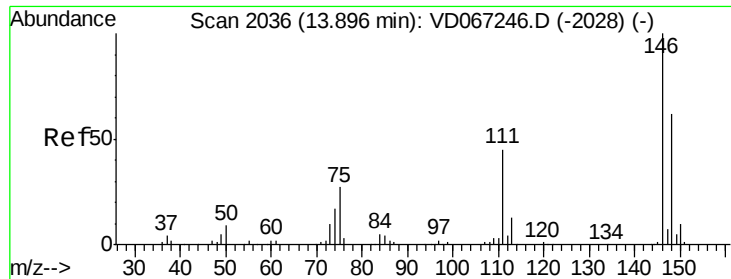
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#90
Hexachloroethane
Concen: 56.504 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	40.8	122.2





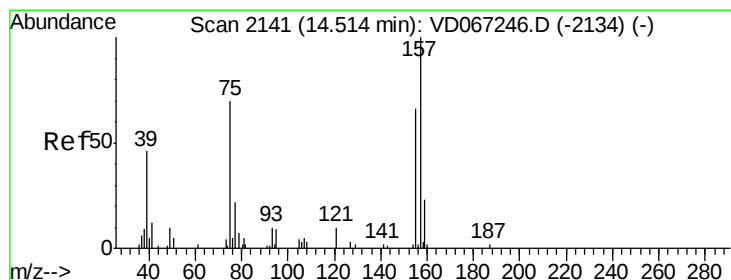
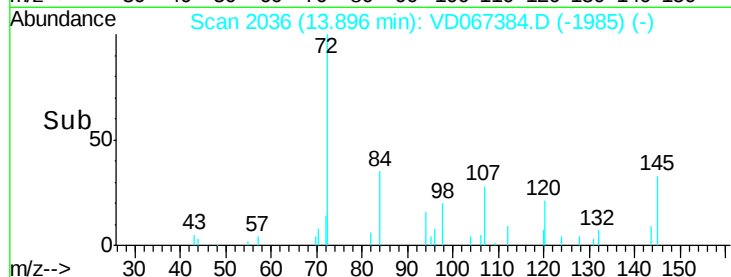
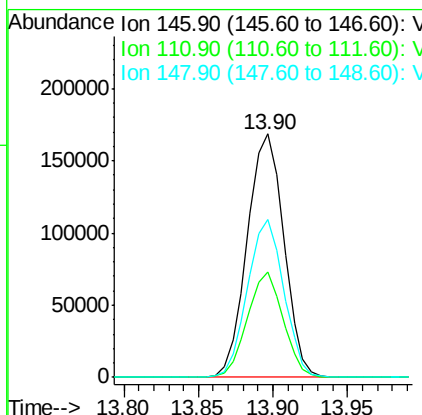
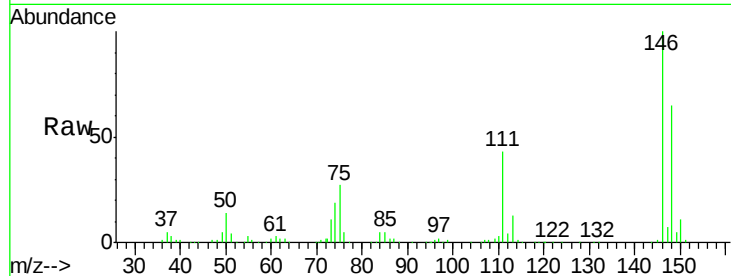
#91
 1,2-Dichlorobenzene
 Concen: 52.181 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.0	66.0
148	64.4	32.5	97.5

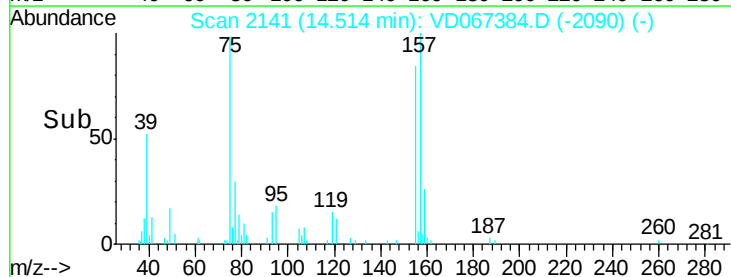
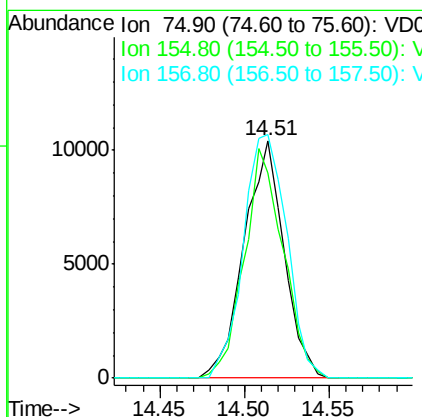
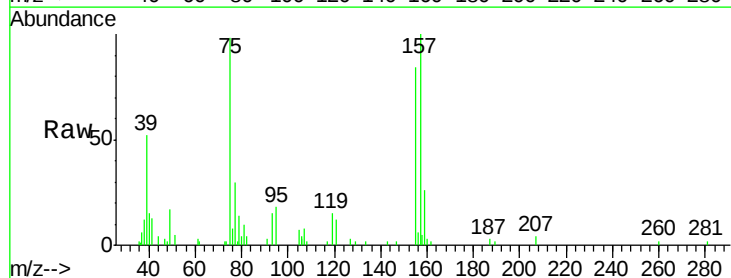
Manual Integrations
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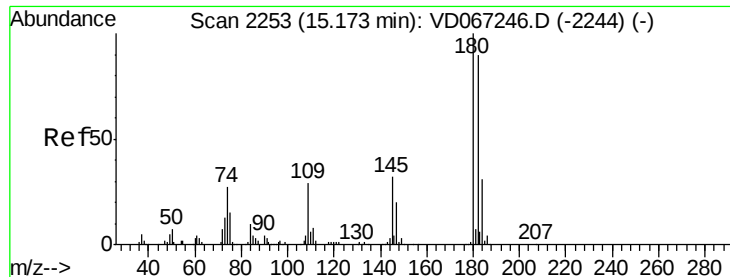
MMDadoda
 10/27/2020 11:45:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.156 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	44.8	134.4
157	111.2	62.5	187.4





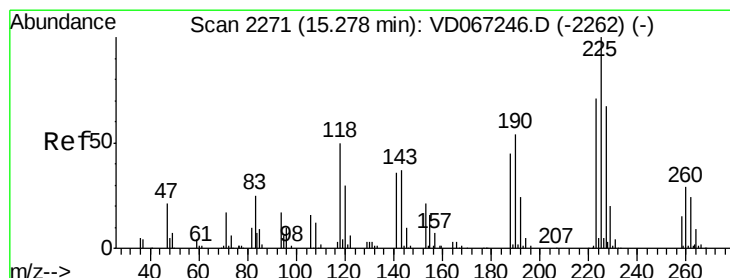
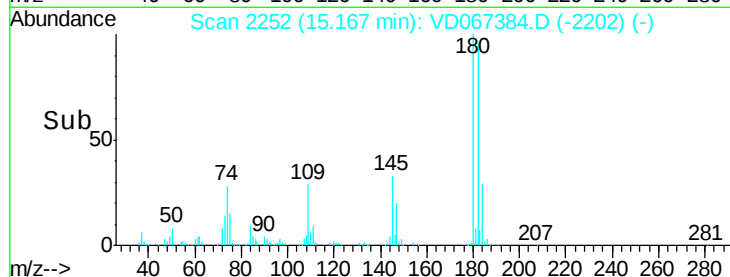
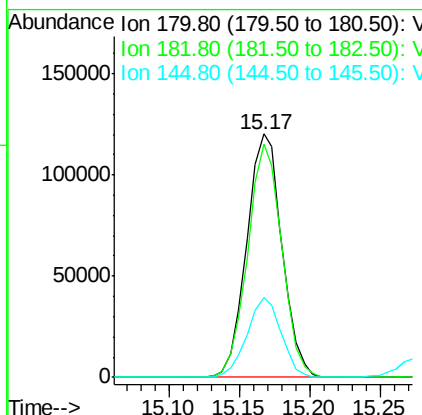
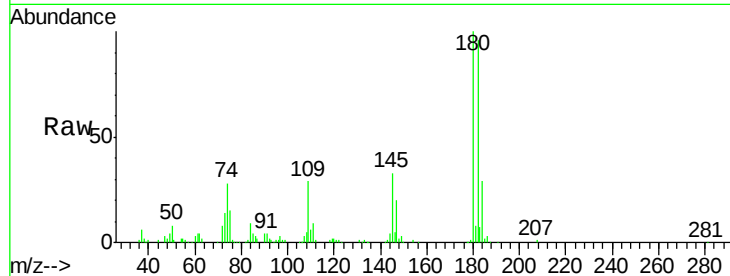
#93
 1,2,4-Trichlorobenzene
 Concen: 56.812 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	210159		
182	93.3	48.1	144.4	
145	32.0	16.3	48.9	

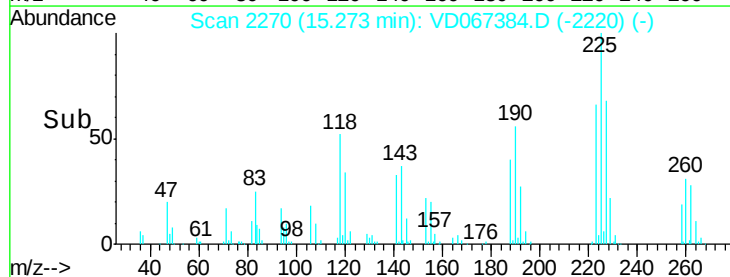
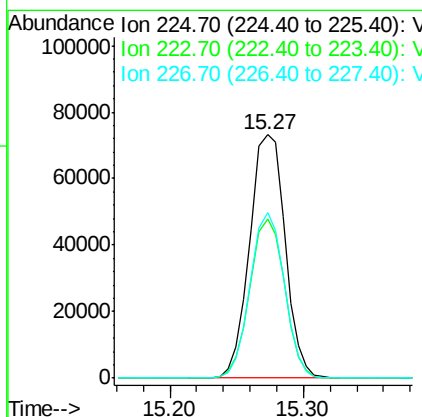
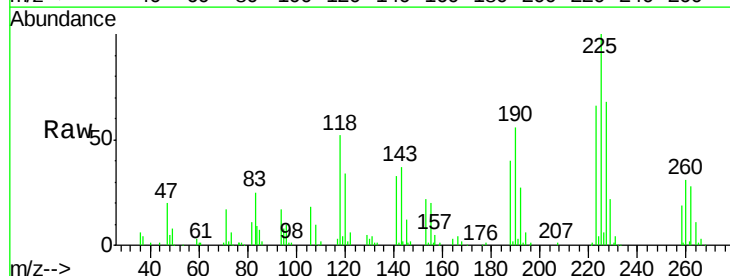
Manual Integrations
 APPROVED

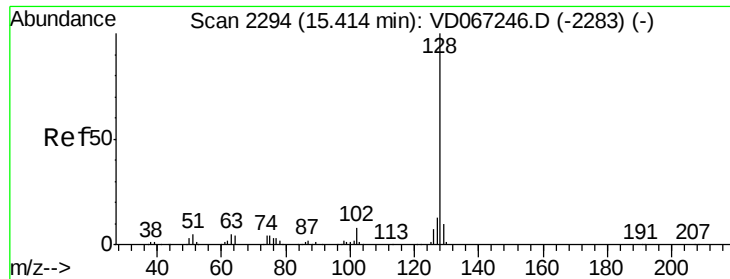
MMDadoda
 10/27/2020 11:45:38 AM



#94
 Hexachlorobutadiene
 Concen: 58.515 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134418		
223	64.3	31.9	95.7	
227	65.4	31.2	93.6	





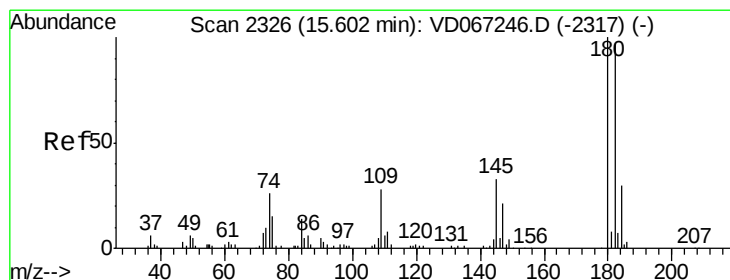
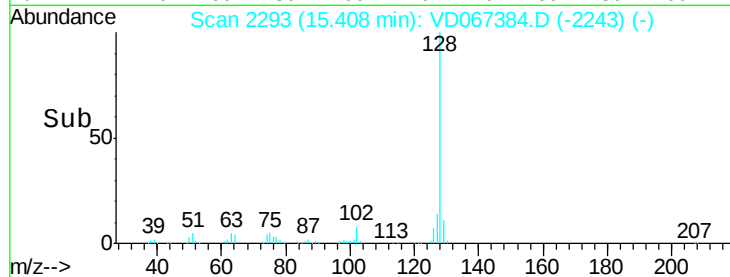
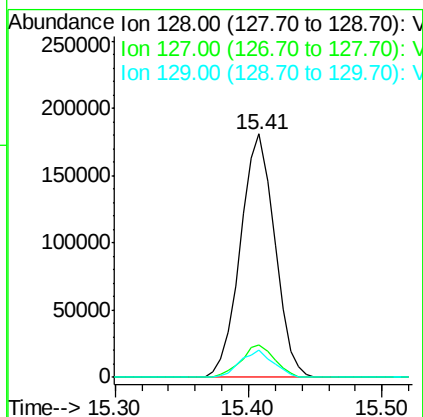
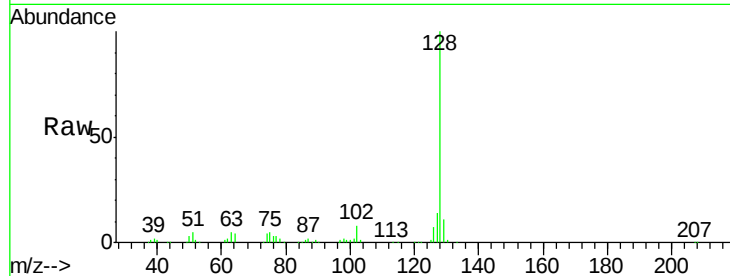
#95
Naphthalene
Concen: 52.951 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/27/2020 11:45:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.509 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	48.1	144.3
145	35.9	17.3	51.9

