

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067503.D
 Acq On : 03 Nov 2020 11:10
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:19 AM

Quant Time: Nov 04 00:38:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	322688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	484004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	60378	21.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.80%	
35) Dibromofluoromethane	7.92	113	60811	20.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.70%	
50) Toluene-d8	10.34	98	220043	21.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.94%	
62) 4-Bromofluorobenzene	12.64	95	73455	20.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65570	22.222	ug/l	92
3) Chloromethane	2.21	50	43352	21.574	ug/l	96
4) Vinyl Chloride	2.35	62	47341	21.131	ug/l	97
5) Bromomethane	2.76	94	37544	20.676	ug/l	88
6) Chloroethane	2.92	64	28296	20.486	ug/l	100
7) Trichlorofluoromethane	3.28	101	122121	21.052	ug/l	97
8) Diethyl Ether	3.71	74	24230	20.730	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61975	21.166	ug/l	99
10) Methyl Iodide	4.30	142	61028	19.446	ug/l	99
11) Tert butyl alcohol	5.21	59	15628	109.389	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	57506	21.351	ug/l	95
13) Acrolein	3.94	56	6747	65.814	ug/l	99
14) Allyl chloride	4.72	41	56779	19.698	ug/l	98
15) Acrylonitrile	5.43	53	44597	103.216	ug/l	99
16) Acetone	4.16	43	38759	91.796	ug/l	95
17) Carbon Disulfide	4.41	76	171105	20.732	ug/l	99
18) Methyl Acetate	4.71	43	17720	20.309	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	108182	20.363	ug/l	93
20) Methylene Chloride	4.98	84	61741	20.701	ug/l #	93
21) trans-1,2-Dichloroethene	5.48	96	64513	20.565	ug/l	90
22) Diisopropyl ether	6.37	45	120901	21.523	ug/l	96
23) Vinyl Acetate	6.31	43	304293	103.291	ug/l	100
24) 1,1-Dichloroethane	6.27	63	94190	20.497	ug/l	99
25) 2-Butanone	7.22	43	46389	102.821	ug/l	91
26) 2,2-Dichloropropane	7.21	77	99711	20.559	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	66570	20.445	ug/l	97
28) Bromochloromethane	7.55	49	31914	19.524	ug/l	98
29) Tetrahydrofuran	7.56	42	27932	103.357	ug/l	99
30) Chloroform	7.71	83	111108	20.267	ug/l	97
31) Cyclohexane	8.00	56	79849	19.512	ug/l #	92
32) 1,1,1-Trichloroethane	7.91	97	116034	20.513	ug/l	98
36) 1,1-Dichloropropene	8.11	75	84828	20.475	ug/l	99
37) Ethyl Acetate	7.29	43	21968	20.424	ug/l	98
38) Carbon Tetrachloride	8.10	117	110571	20.541	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	95349	19.554	ug/l	96
40) Benzene	8.36	78	233277	20.787	ug/l	100
41) Methacrylonitrile	7.54	41	13198m	24.394	ug/l	
42) 1,2-Dichloroethane	8.43	62	72273	20.844	ug/l	99
43) Isopropyl Acetate	8.46	43	42351	19.909	ug/l	97
44) Trichloroethene	9.11	130	75132	20.361	ug/l	95
45) 1,2-Dichloropropane	9.40	63	48754	20.094	ug/l	96
46) Dibromomethane	9.48	93	31538	20.443	ug/l	99
47) Bromodichloromethane	9.67	83	87754	20.928	ug/l	97
48) Methyl methacrylate	9.46	41	20829	18.964	ug/l	92
49) 1,4-Dioxane	9.46	88	6386	407.751	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	104197	102.421	ug/l	100
52) Toluene	10.41	92	158526	21.090	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	74184	20.657	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	86793	20.341	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	43007	21.069	ug/l	92
56) Ethyl methacrylate	10.67	69	40964	19.433	ug/l	99
57) 1,3-Dichloropropane	10.95	76	66297	20.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	93997	95.624	ug/l	97
59) 2-Hexanone	10.99	43	70496	99.105	ug/l	95
60) Dibromochloromethane	11.14	129	63318	20.969	ug/l	99
61) 1,2-Dibromoethane	11.25	107	42613	20.800	ug/l	99
64) Tetrachloroethene	10.88	164	67872	21.109	ug/l	94
65) Chlorobenzene	11.68	112	174130	20.822	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	67299	20.418	ug/l	97
67) Ethyl Benzene	11.75	91	299587	20.935	ug/l	94
68) m/p-Xylenes	11.86	106	236834	42.539	ug/l	99
69) o-Xylene	12.19	106	105112	21.146	ug/l	99
70) Styrene	12.20	104	186545	21.537	ug/l	98
71) Bromoform	12.37	173	36529	21.730	ug/l #	97
73) Isopropylbenzene	12.49	105	297921	20.819	ug/l	99
74) N-amyl acetate	12.30	43	36256	19.255	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	40074	20.537	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	31515m	22.570	ug/l	
77) Bromobenzene	12.77	156	73622	20.949	ug/l	98
78) n-propylbenzene	12.83	91	341599	20.870	ug/l	99
79) 2-Chlorotoluene	12.91	91	195611	21.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	254209	20.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13117	19.937	ug/l	96
82) 4-Chlorotoluene	13.01	91	209674	21.026	ug/l	99
83) tert-Butylbenzene	13.23	119	211900	20.453	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	255336	20.984	ug/l	100
85) sec-Butylbenzene	13.41	105	281455	20.125	ug/l	98
86) p-Isopropyltoluene	13.53	119	278690	20.635	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	136517	20.358	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	138508	20.398	ug/l	98
89) n-Butylbenzene	13.85	91	232938	19.968	ug/l	99
90) Hexachloroethane	14.12	117	51005	20.054	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	119068	20.516	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7131	20.640	ug/l	97

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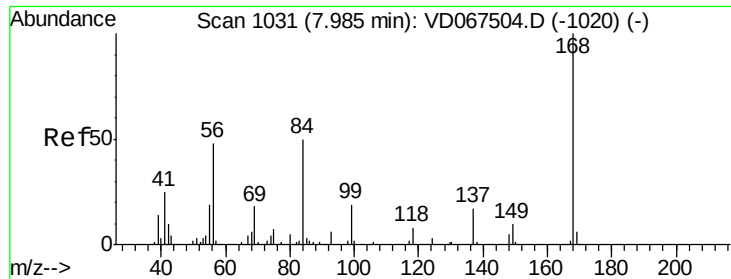
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	79111	20.084	ug/l	97
94) Hexachlorobutadiene	15.27	225	49323	18.709	ug/l	99
95) Naphthalene	15.41	128	118553	19.502	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	68733	20.376	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 322688

Ion Ratio Lower Upper

168 100

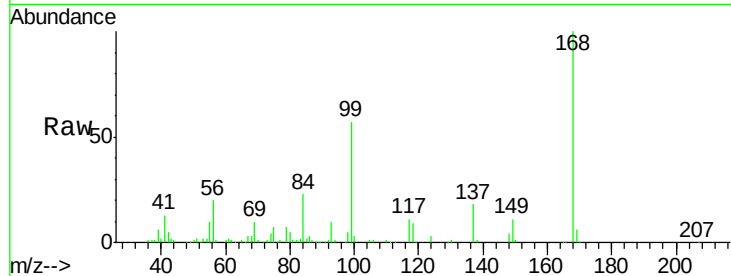
99 56.0 45.0 67.6

Manual Integrations

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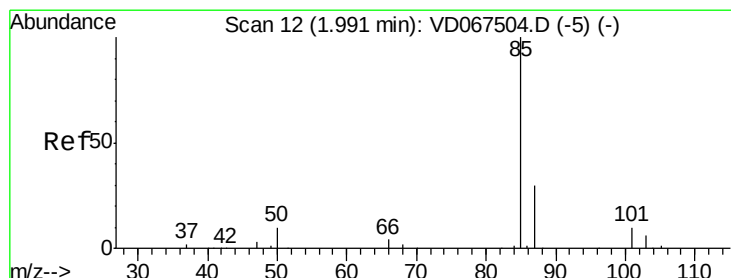
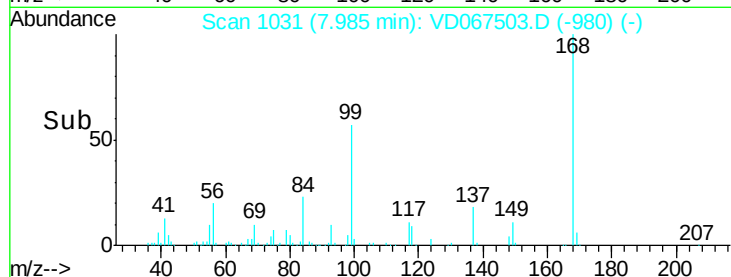
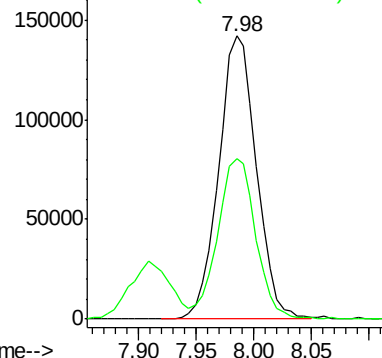
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.222 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067503.D

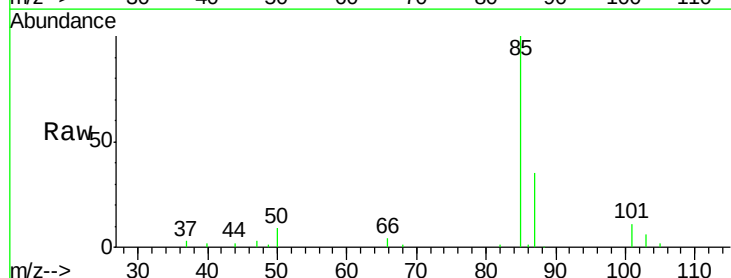
Acq: 03 Nov 2020 11:10

Tgt Ion: 85 Resp: 65570

Ion Ratio Lower Upper

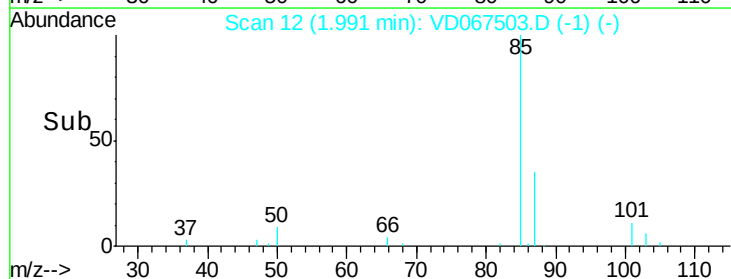
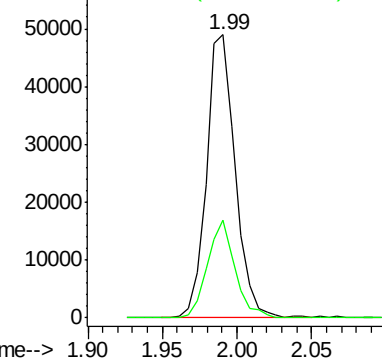
85 100

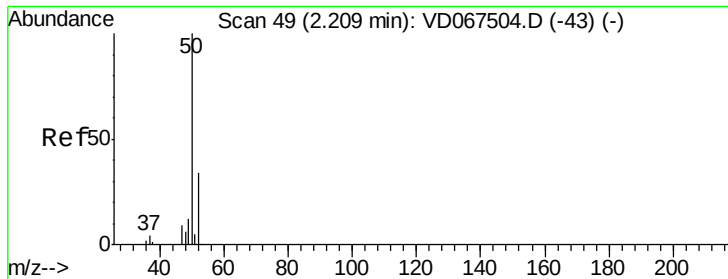
87 34.7 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.574 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

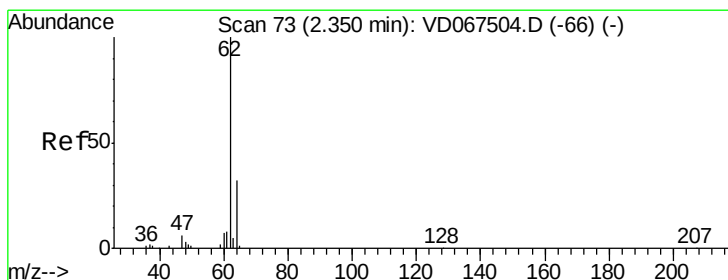
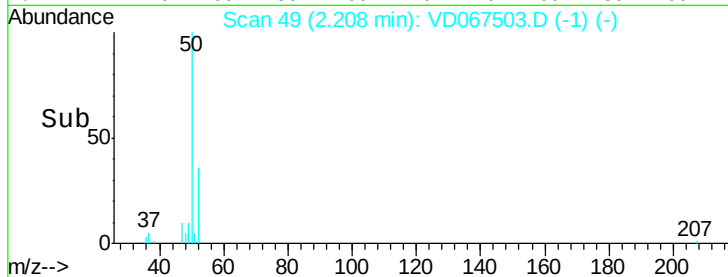
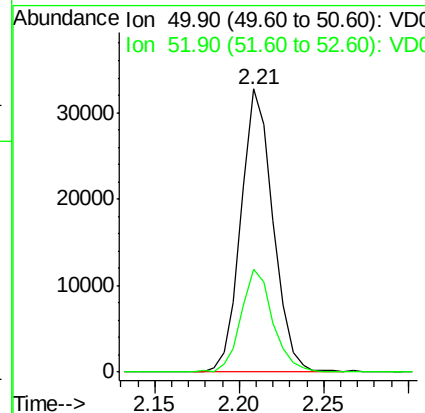
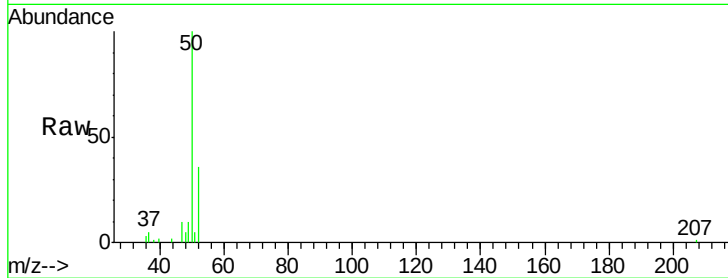
ClientSampleId :

VSTDIC020

Tot Ion	50	Resp	43352
Ion Ratio	100	Lower	Upper
50	100		
52	36.2	27.3	40.9

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#4

Vinyl Chloride

Concen: 21.131 ug/l

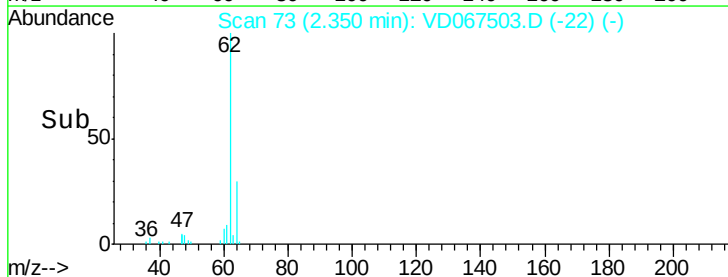
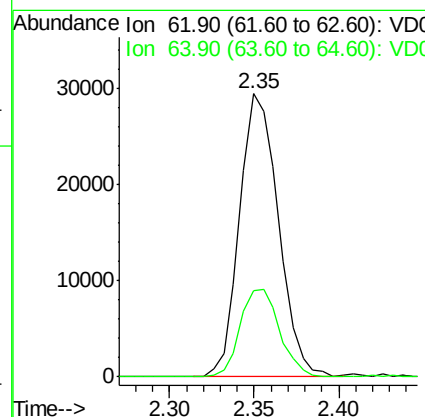
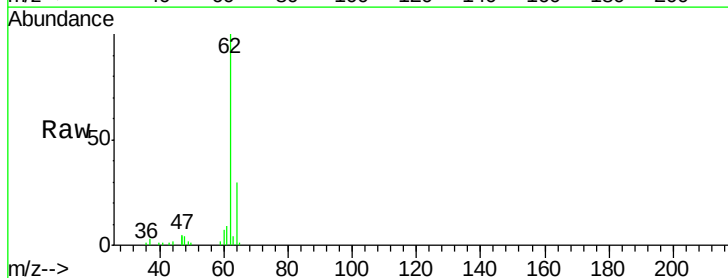
RT: 2.35 min Scan# 73

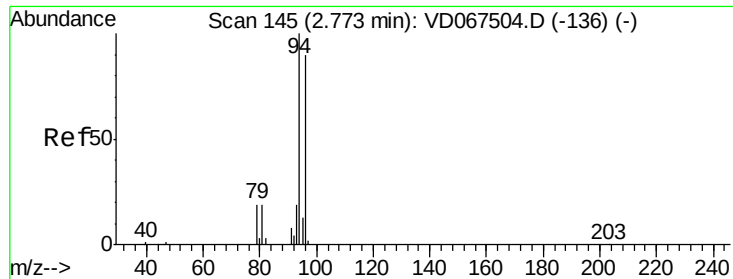
Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion	62	Resp	47341
Ion Ratio	100	Lower	Upper
62	100		
64	30.5	25.6	38.4





#5

Bromomethane

Concen: 20.676 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 37544

Ion Ratio Lower Upper

94 100

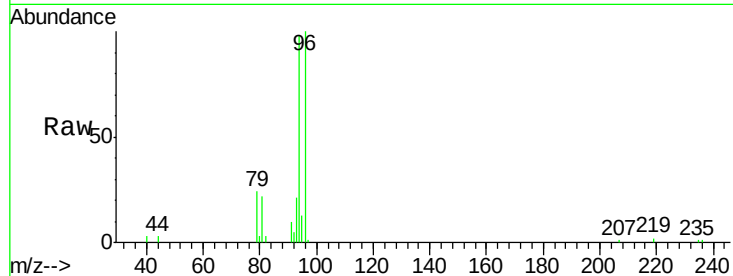
96 101.8 72.2 108.2

Manual Integrations

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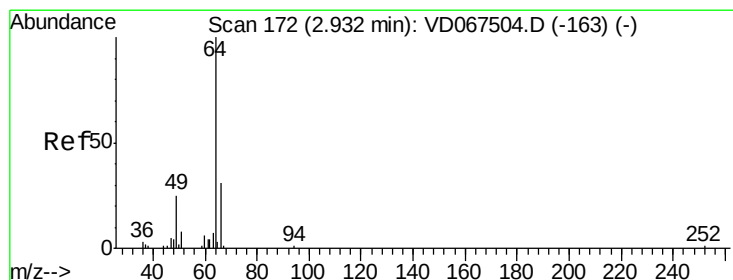
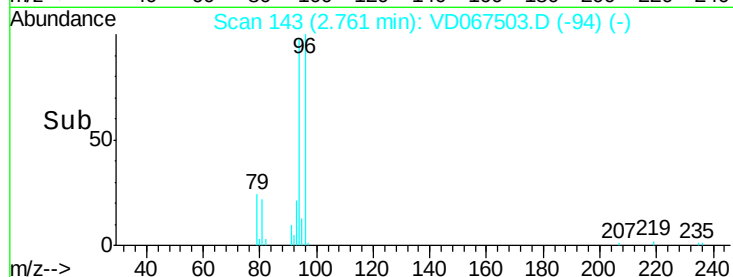
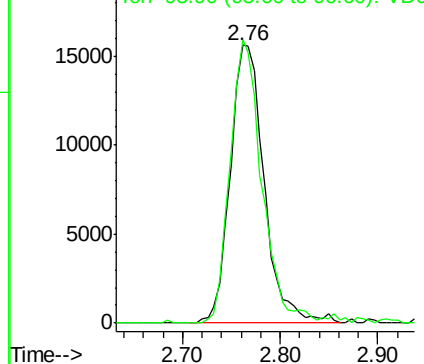
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11/4/2020 10:43:19 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.486 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067503.D

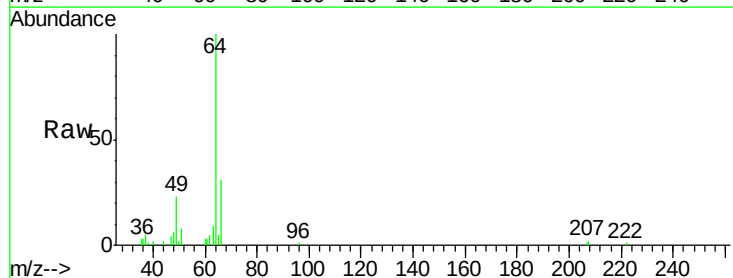
Acq: 03 Nov 2020 11:10

Tgt Ion: 64 Resp: 28296

Ion Ratio Lower Upper

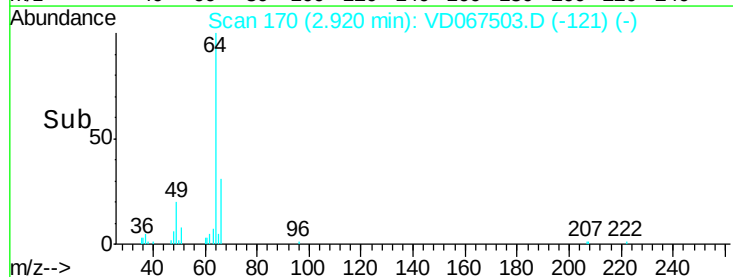
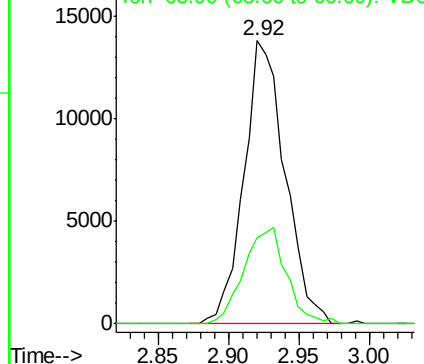
64 100

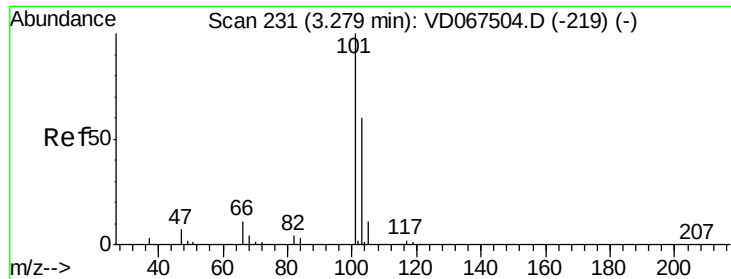
66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

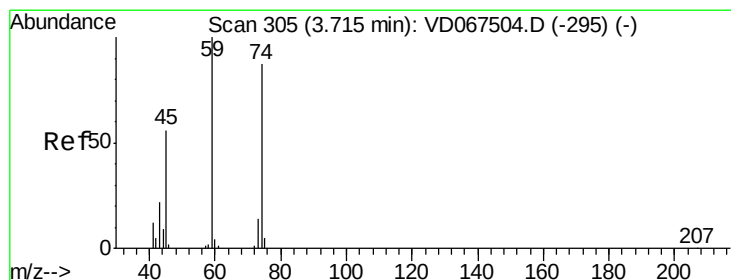
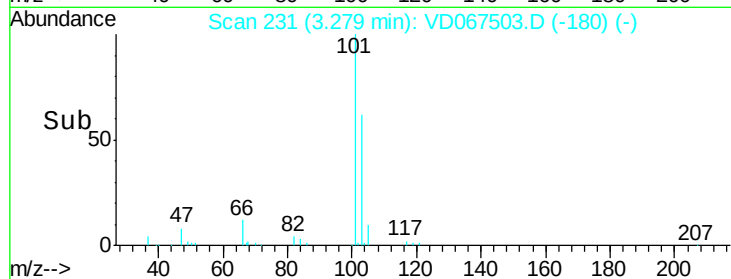
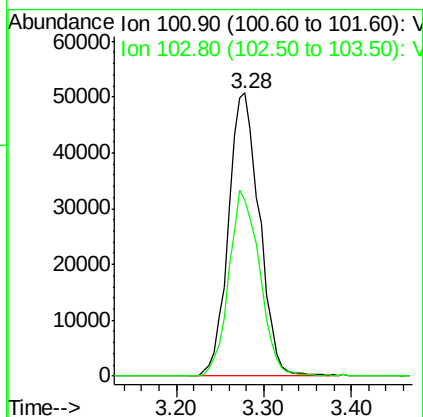
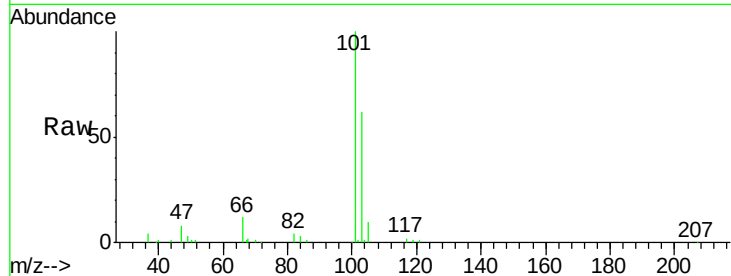
Trichlorofluoromethane
 Concen: 21.052 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	122121		
103	62.1	48.1	72.1	

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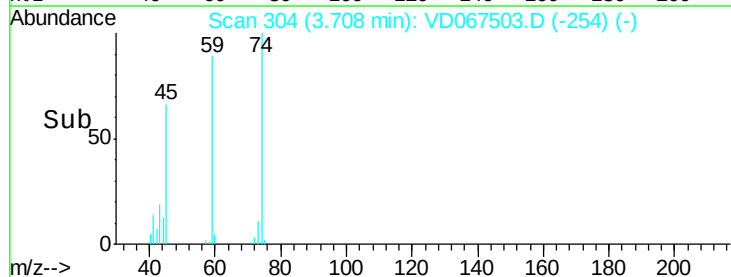
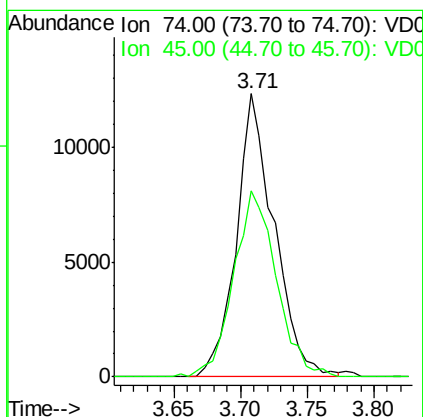
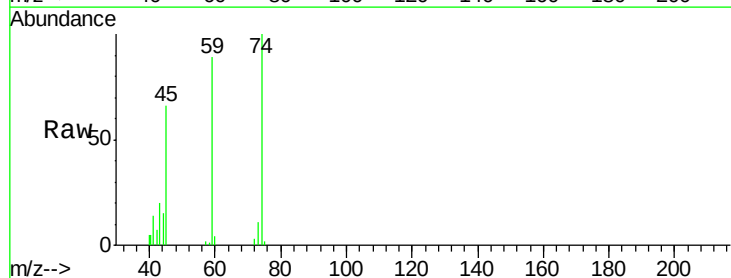
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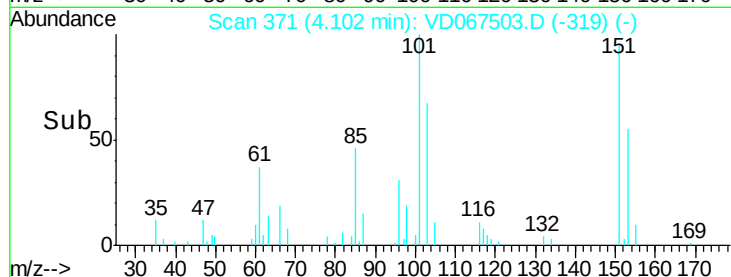
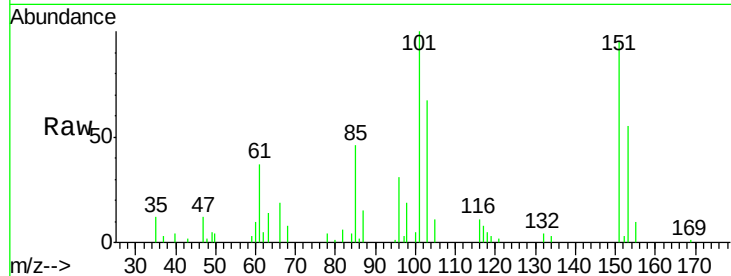
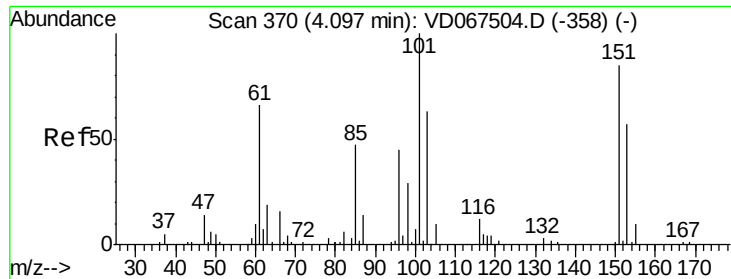


#8

Diethyl Ether
 Concen: 20.730 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067503.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	24230		
45	74.6	38.2	114.6	





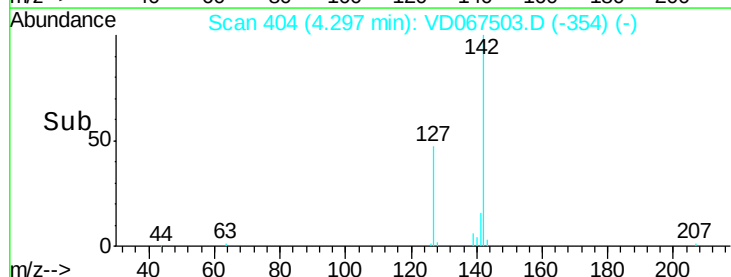
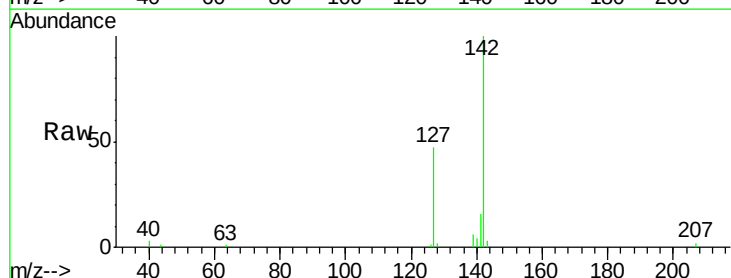
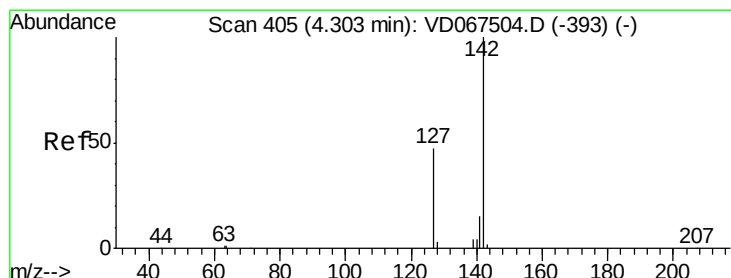
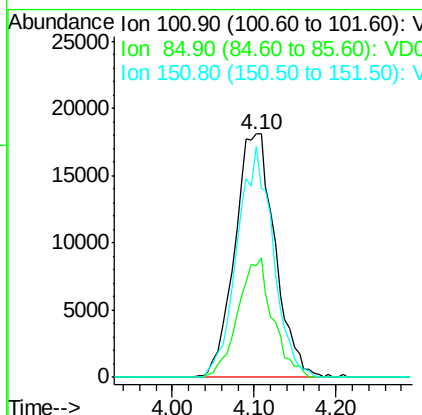
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.166 ug/l
RT: 4.10 min Scan# 371
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	61975		
85	42.5	34.4	51.6	
151	84.2	68.1	102.1	

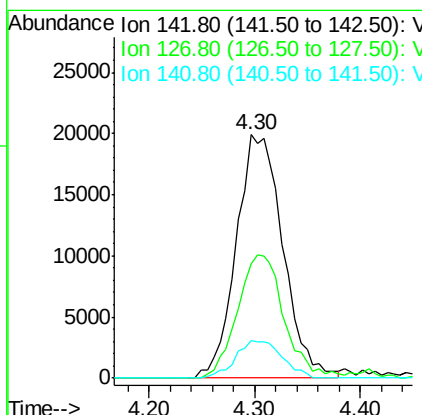
Manual Integrations
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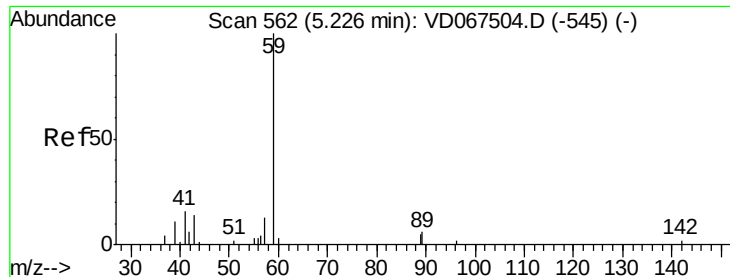
MMDadoda
11/4/2020 10:43:19 AM



#10
Methyl Iodide
Concen: 19.446 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	61028		
127	50.4	40.0	60.0	
141	15.3	11.7	17.5	





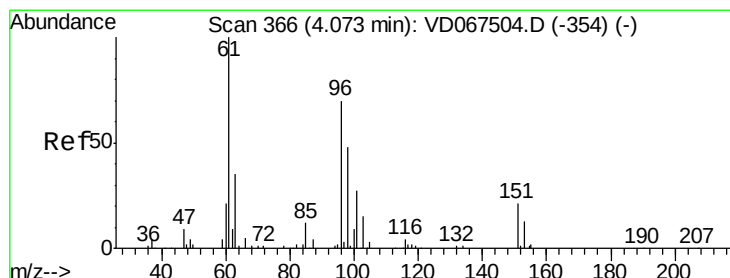
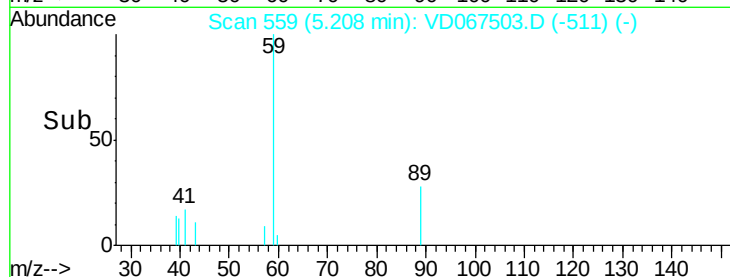
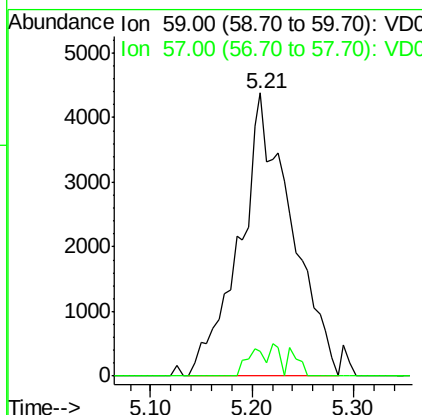
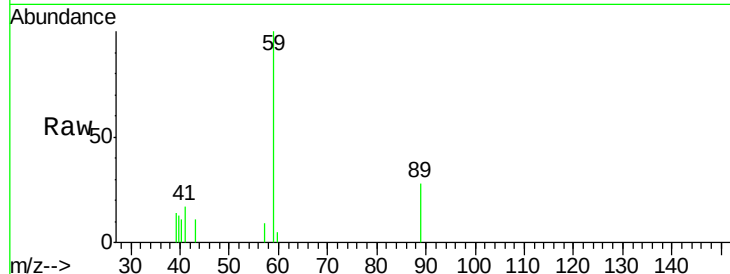
#11
Tert butyl alcohol
Concen: 109.389 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 15628
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

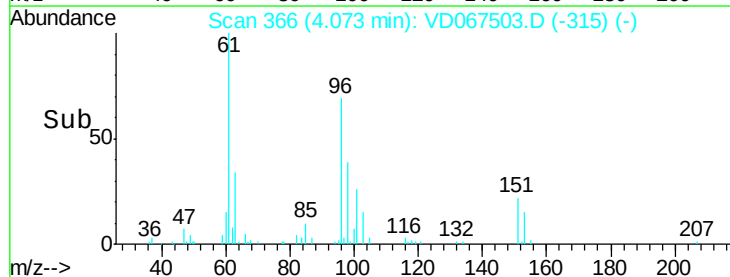
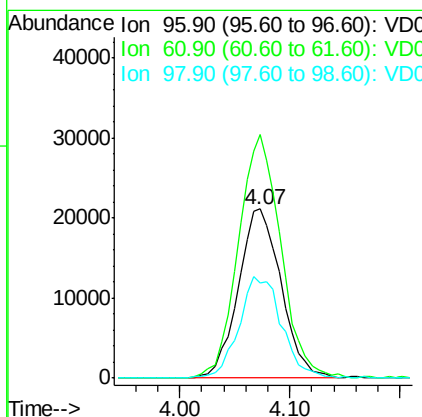
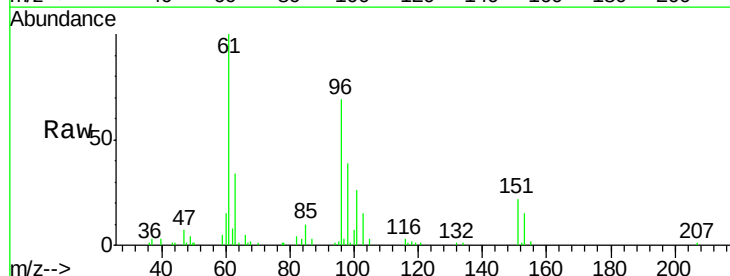
Manual Integrations
APPROVED

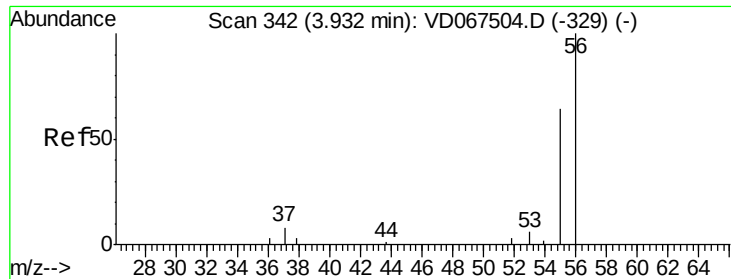
MMDadoda
11/4/2020 10:43:19 AM



#12
1,1-Dichloroethene
Concen: 21.351 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 96 Resp: 57506
Ion Ratio Lower Upper
96 100
61 144.2 114.5 171.7
98 56.0 54.5 81.7





#13

Acrolein

Concen: 65.814 ug/l

RT: 3.94 min Scan# 343

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 6747

Ion Ratio Lower Upper

56 100

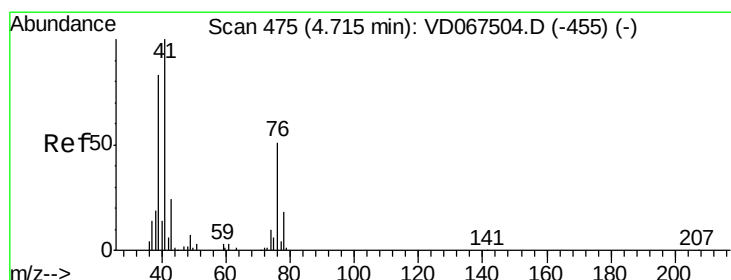
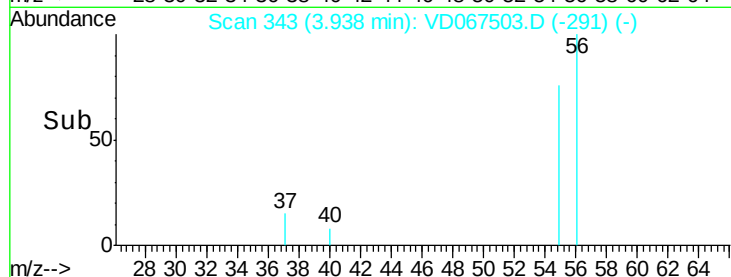
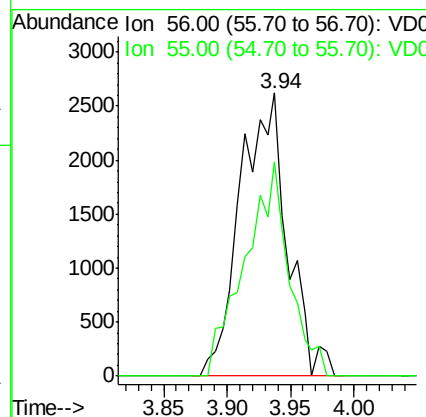
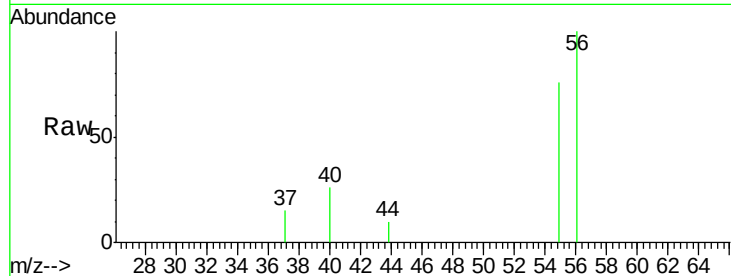
55 71.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.698 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

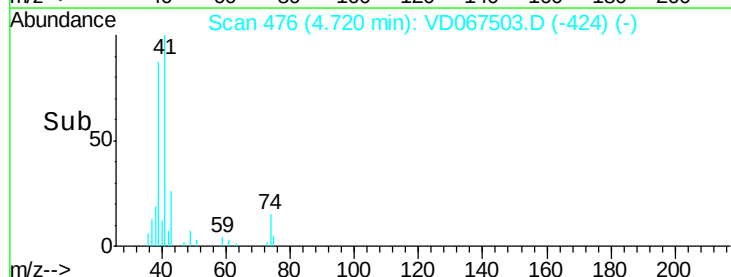
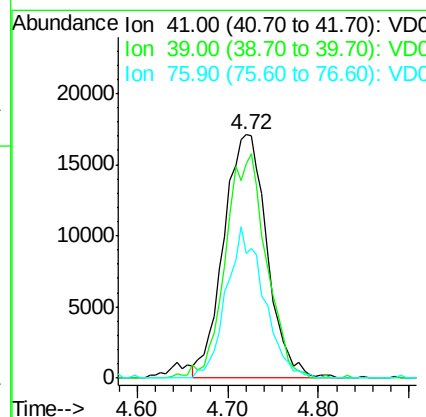
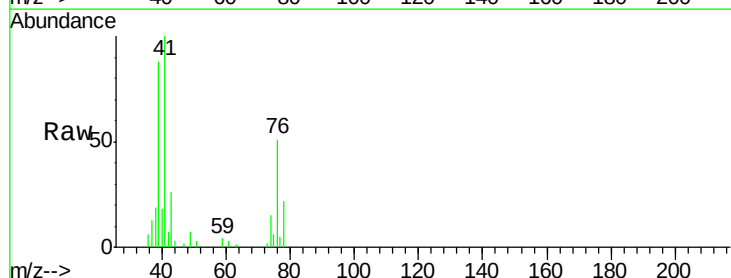
Tgt Ion: 41 Resp: 56779

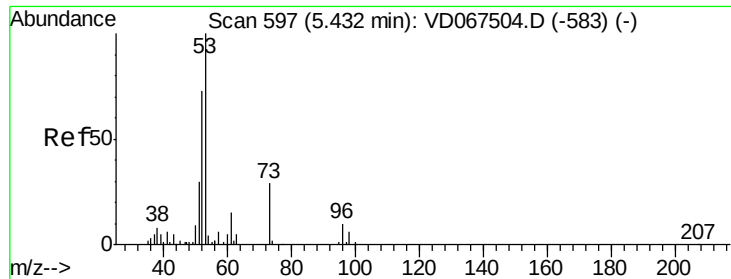
Ion Ratio Lower Upper

41 100

39 86.9 67.4 101.0

76 53.8 42.2 63.2





#15

Acrylonitrile

Concen: 103.216 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

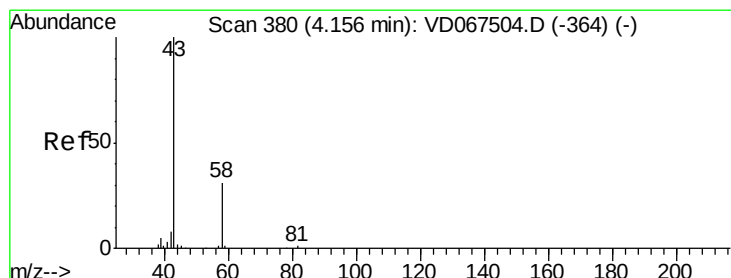
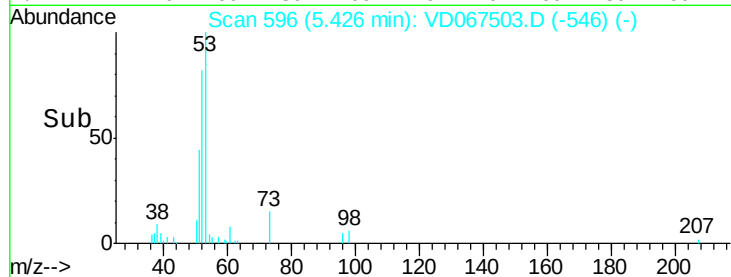
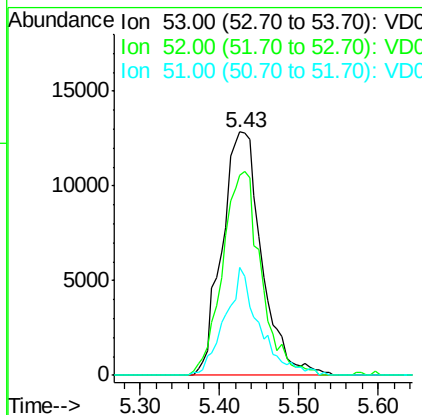
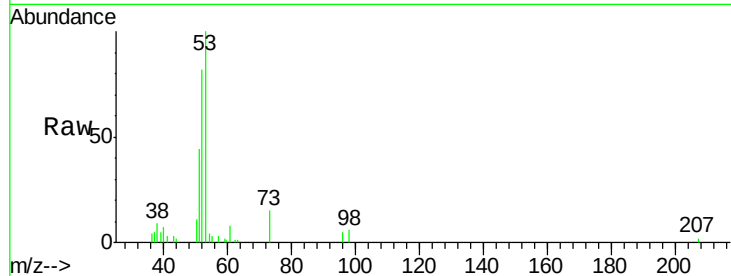
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	44597
Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.8	97.2
51	38.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 91.796 ug/l

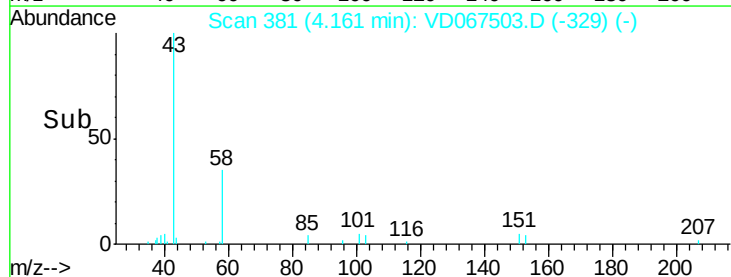
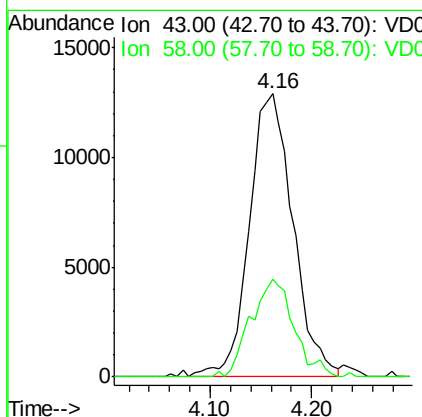
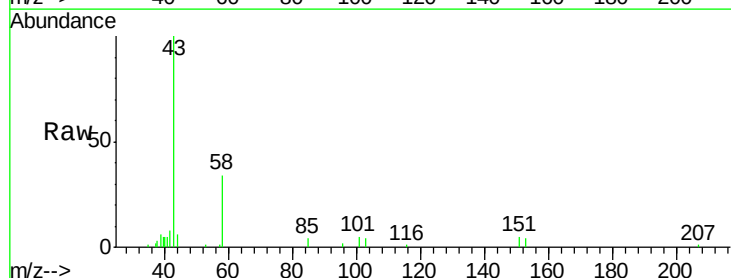
RT: 4.16 min Scan# 381

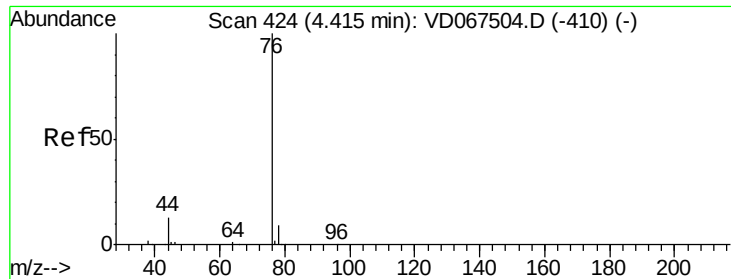
Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion:	43	Resp:	38759
Ion	Ratio	Lower	Upper
43	100		
58	34.3	25.2	37.8





#17

Carbon Disulfide

Concen: 20.732 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 171105

Ion Ratio Lower Upper

76 100

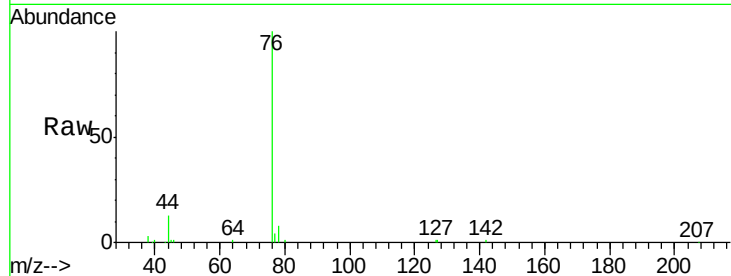
78 8.5 7.2 10.8

Manual Integrations

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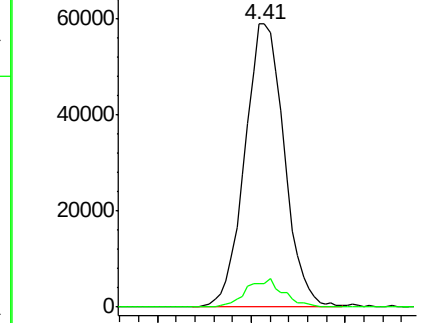
MMDadoda

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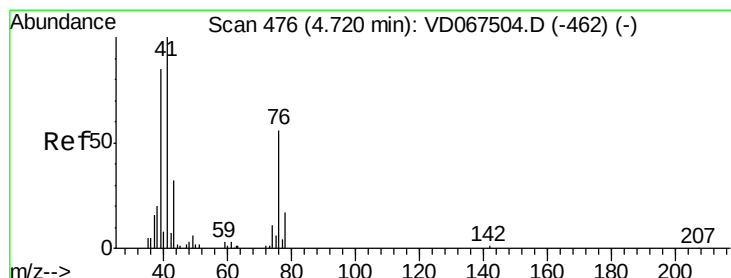
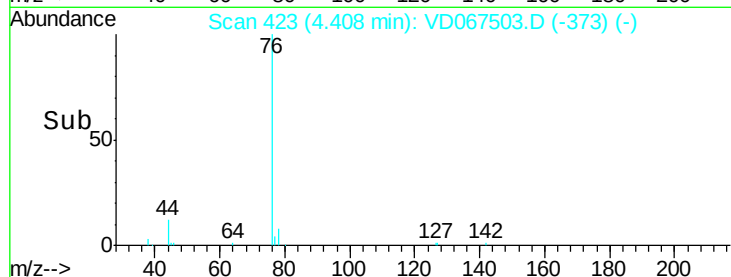


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 20.309 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067503.D

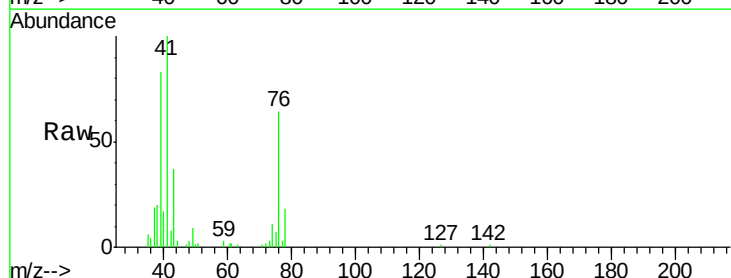
Acq: 03 Nov 2020 11:10

Tgt Ion: 43 Resp: 17720

Ion Ratio Lower Upper

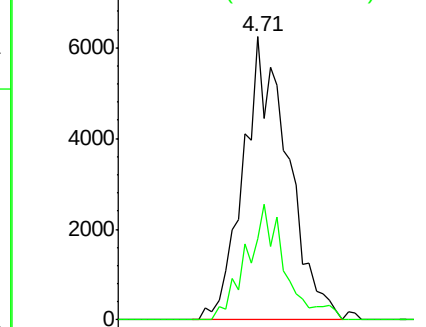
43 100

74 35.1 27.2 40.8

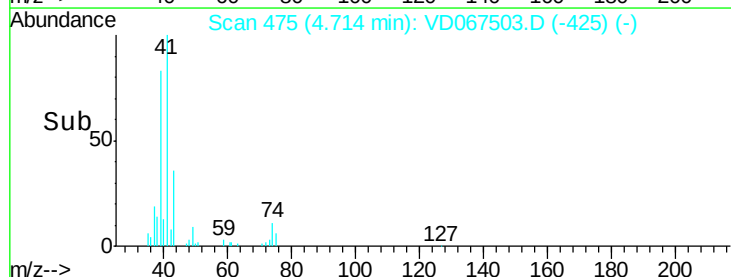


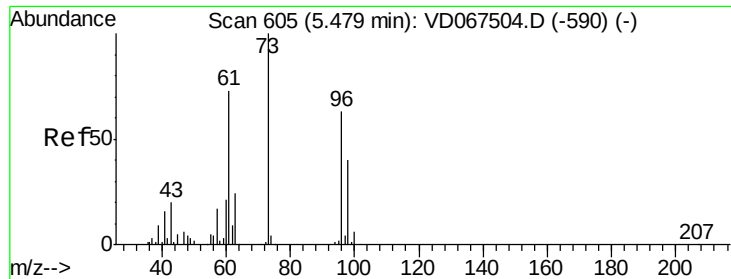
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





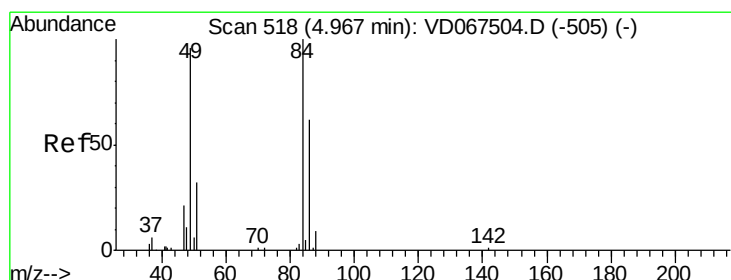
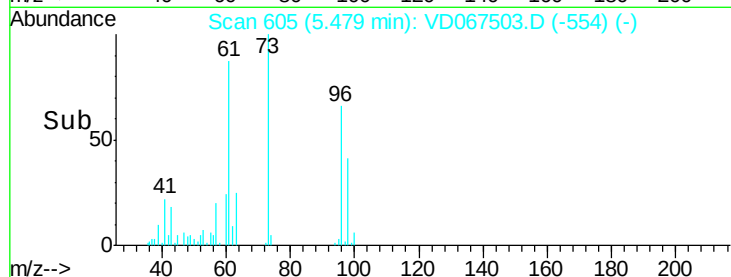
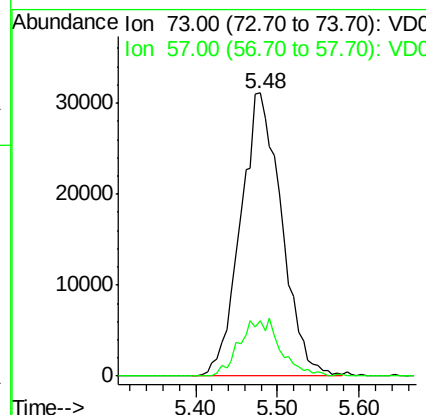
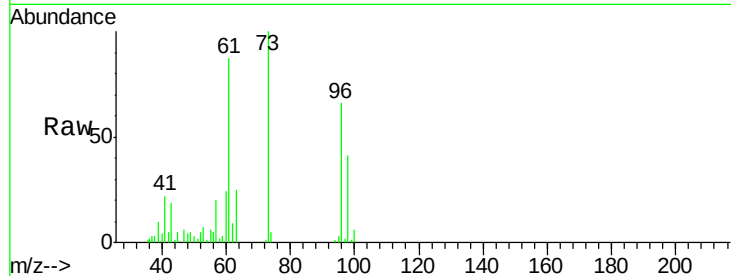
#19
Methyl tert-butyl Ether
Concen: 20.363 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 108182
Ion Ratio Lower Upper
73 100
57 19.6 13.4 20.0

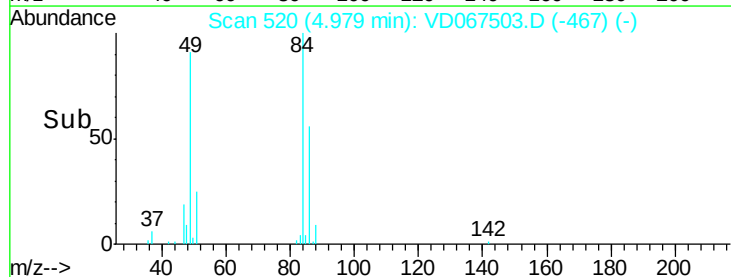
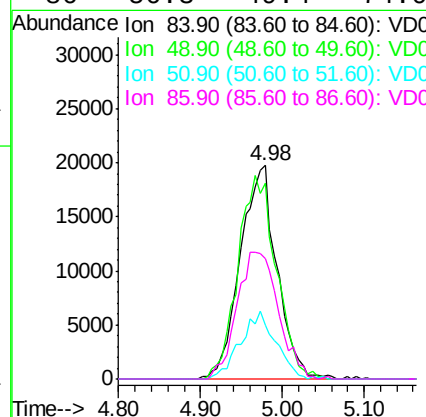
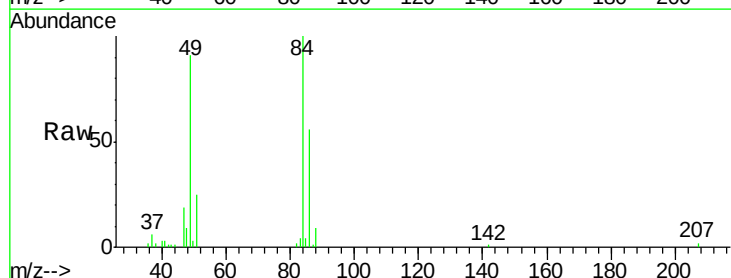
Manual Integrations
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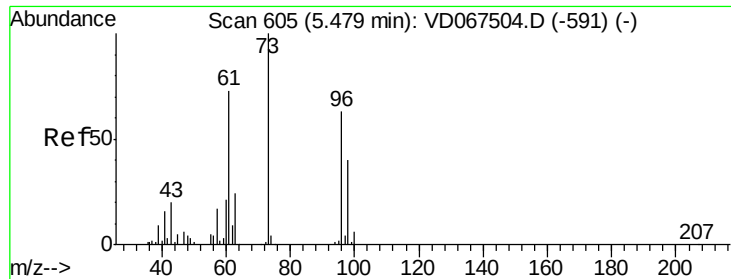
MMDadoda
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#20
Methylene Chloride
Concen: 20.701 ug/l
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 84 Resp: 61741
Ion Ratio Lower Upper
84 100
49 91.5 77.0 115.4
51 24.9 25.4 38.2#
86 56.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.565 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

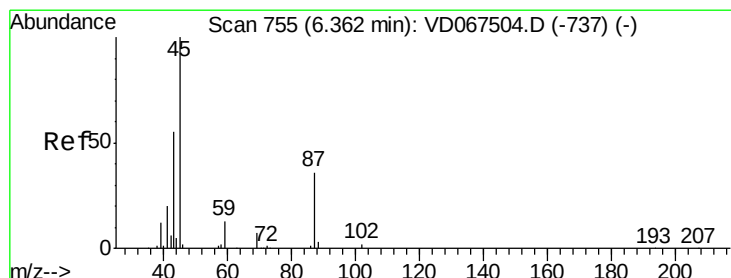
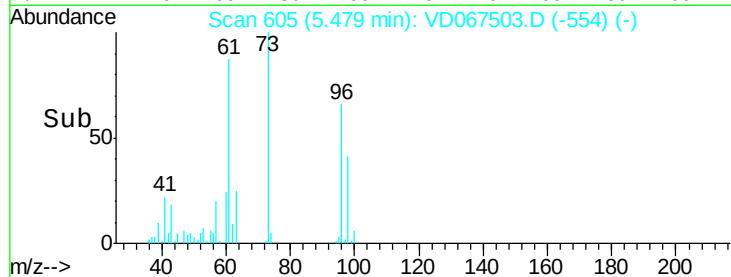
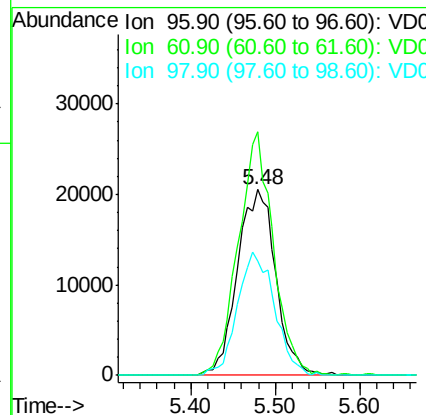
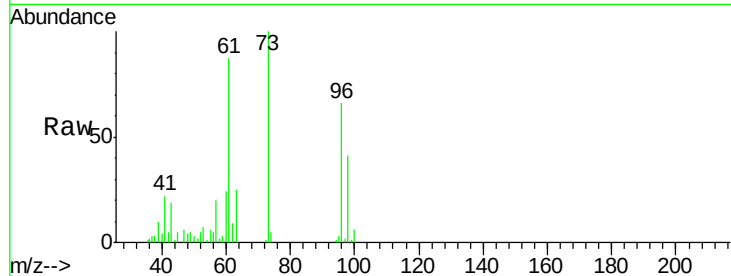
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	64513
Ion	Ratio	Lower	Upper
96	100		
61	131.2	93.0	139.6
98	61.4	50.9	76.3

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#22

Diisopropyl ether

Concen: 21.523 ug/l

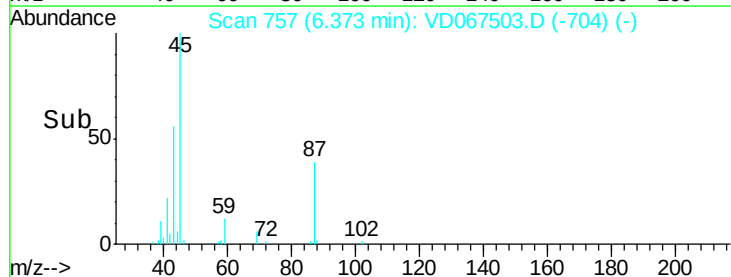
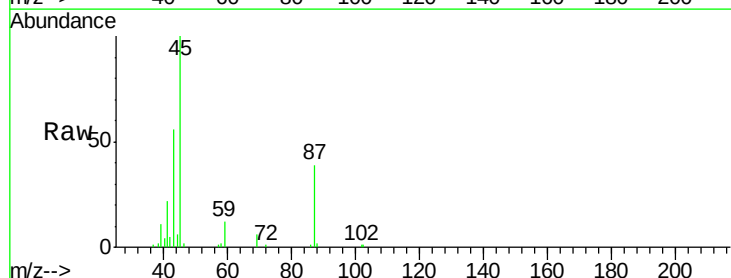
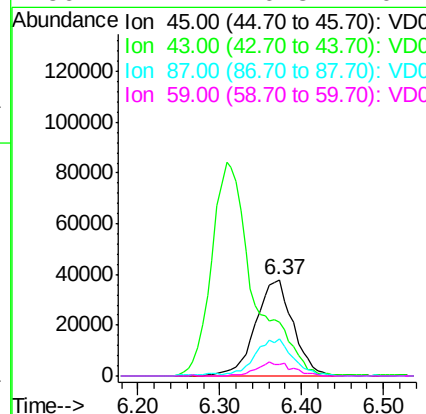
RT: 6.37 min Scan# 757

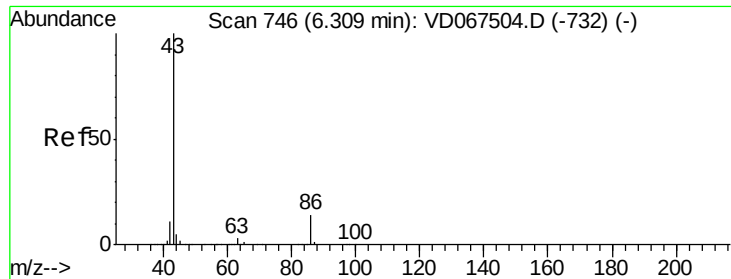
Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion:	45	Resp:	120901
Ion	Ratio	Lower	Upper
45	100		
43	54.5	46.2	69.4
87	38.6	29.4	44.2
59	12.1	10.8	16.2





#23

Vinyl Acetate

Concen: 103.291 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 304293

Ion Ratio Lower Upper

43 100

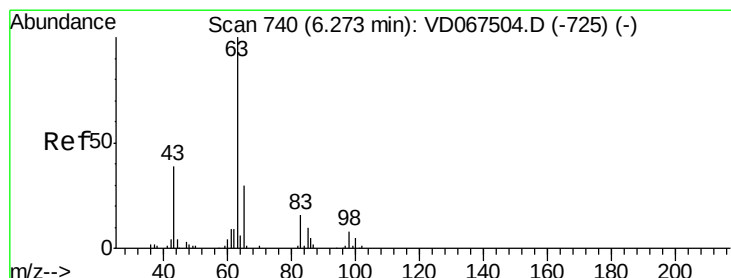
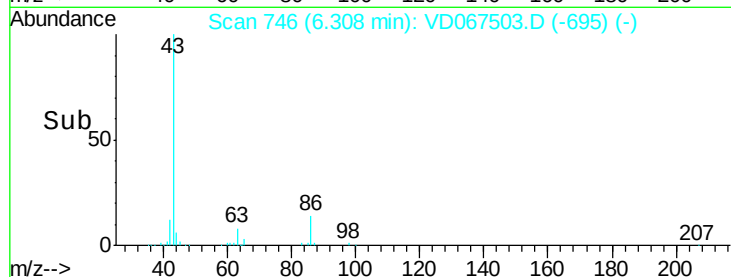
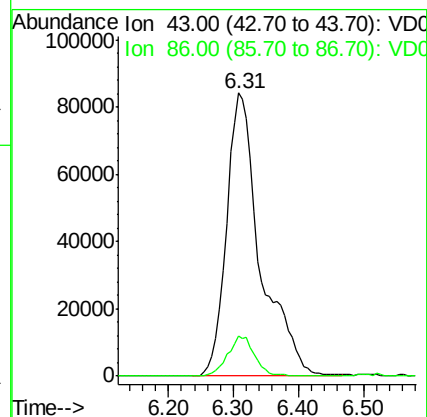
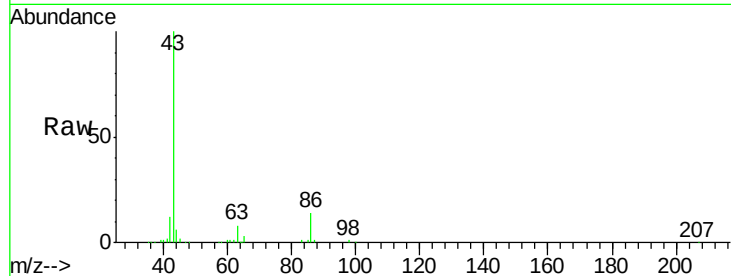
86 14.4 11.6 17.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.497 ug/l

RT: 6.27 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

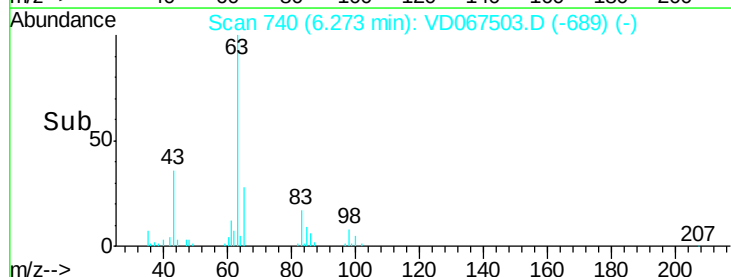
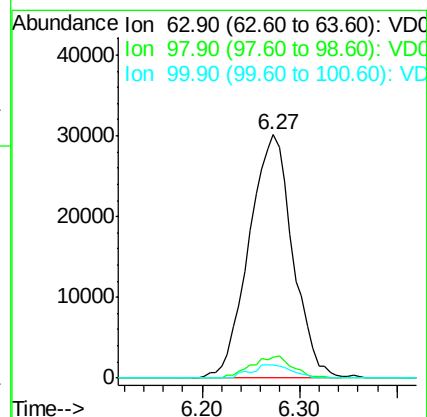
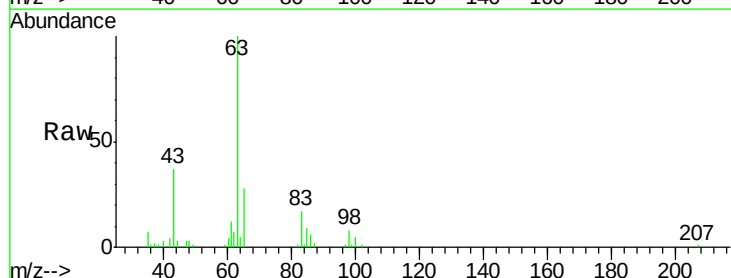
Tgt Ion: 63 Resp: 94190

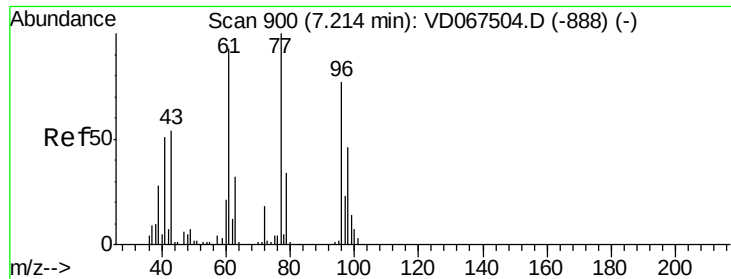
Ion Ratio Lower Upper

63 100

98 8.5 3.9 11.5

100 5.3 2.6 7.8





#25

2-Butanone

Concen: 102.821 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 46389

Ion Ratio Lower Upper

43 100

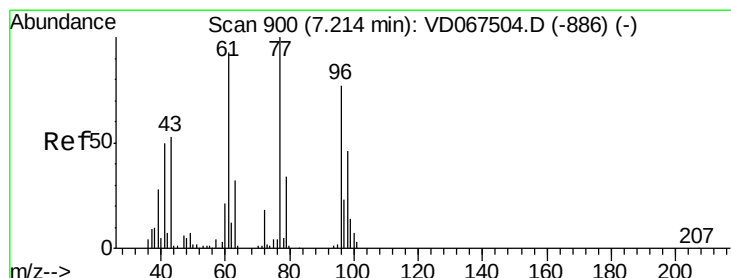
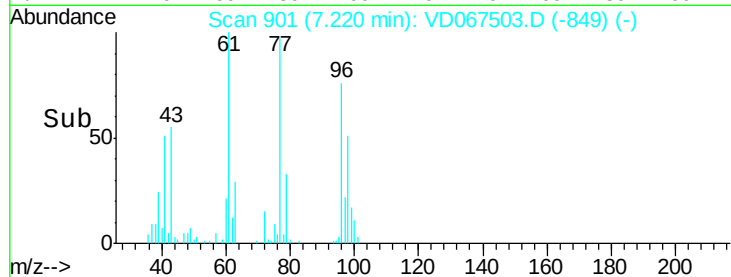
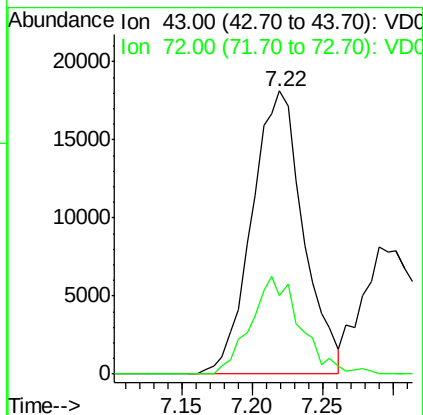
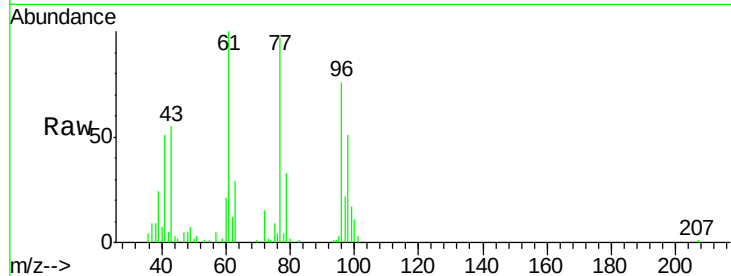
72 27.8 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.559 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067503.D

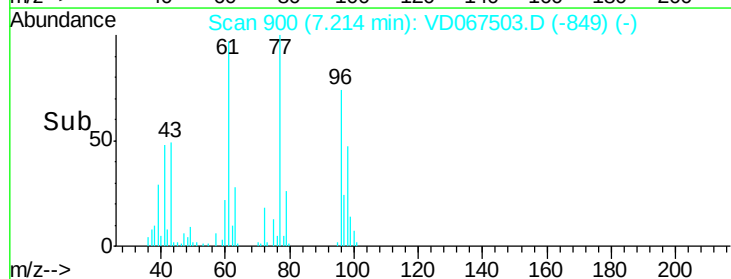
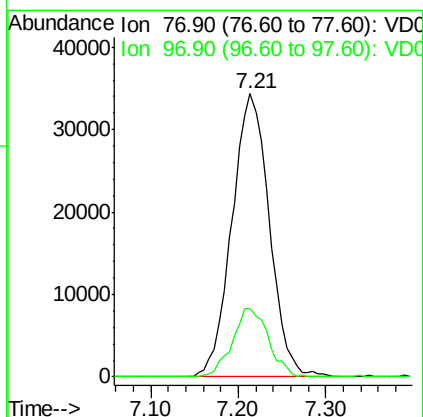
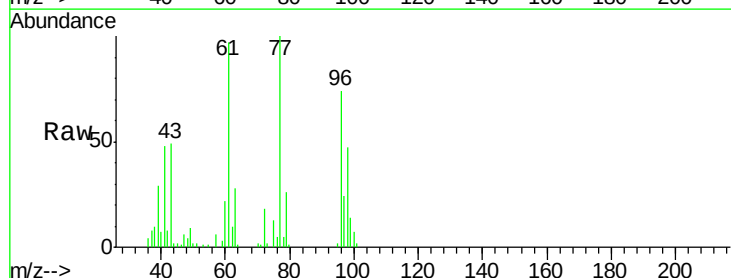
Acq: 03 Nov 2020 11:10

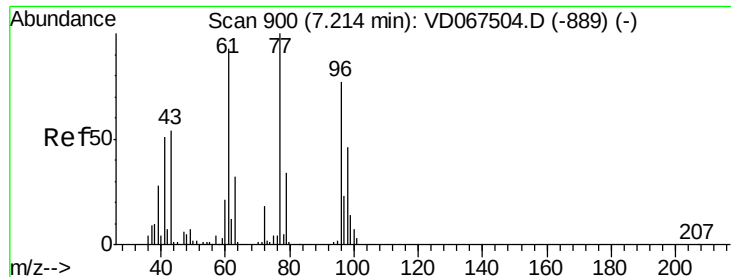
Tgt Ion: 77 Resp: 99711

Ion Ratio Lower Upper

77 100

97 23.1 11.1 33.3





#27

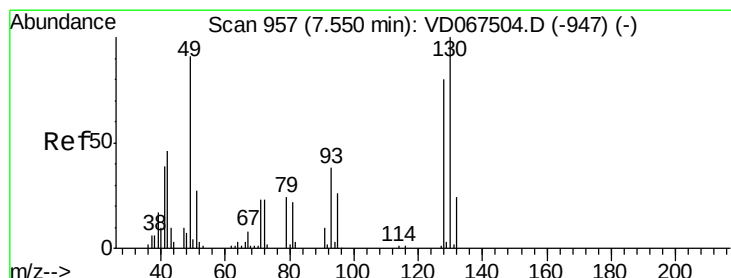
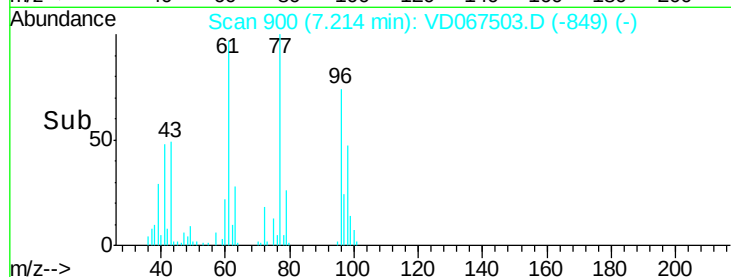
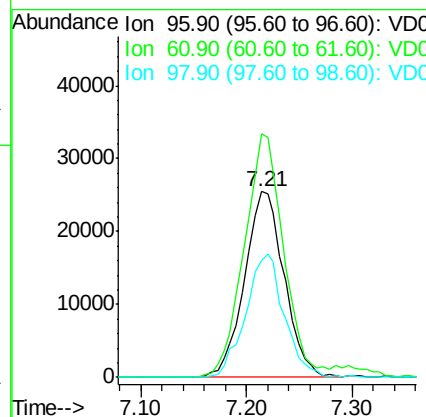
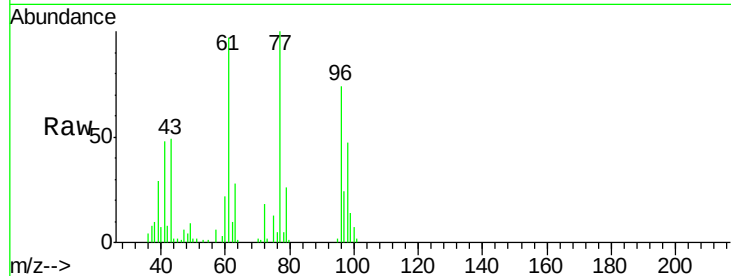
cis-1,2-Dichloroethene
Concen: 20.445 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	251.6
98	64.4	0.0	128.0

Manual Integrations
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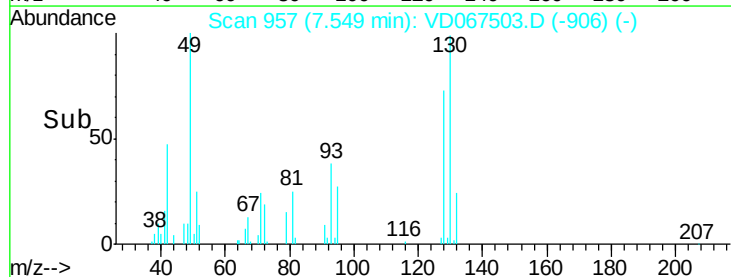
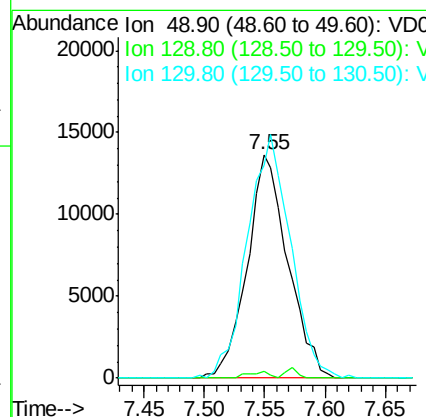
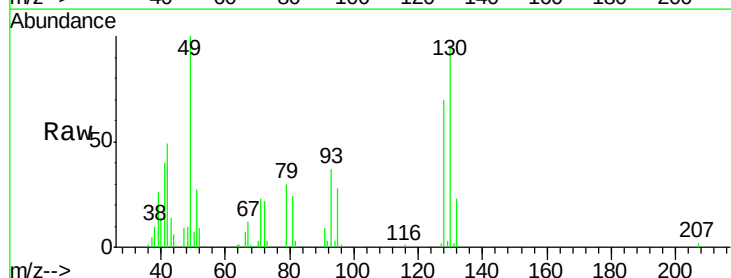
MMDadoda
11/4/2020 10:43:19 AM

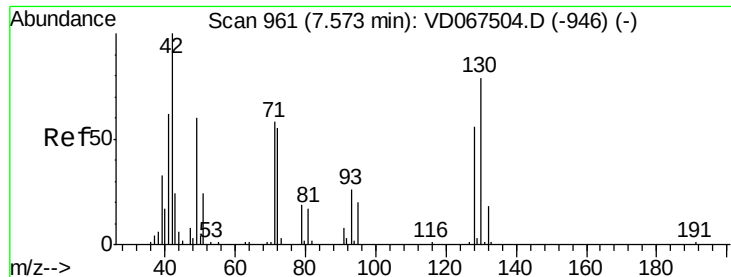


#28

Bromochloromethane
Concen: 19.524 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	6.4
130	115.9	94.6	142.0





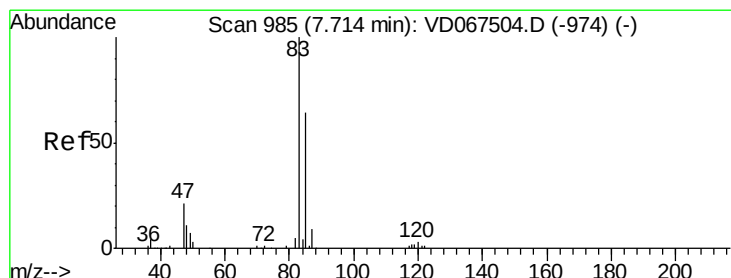
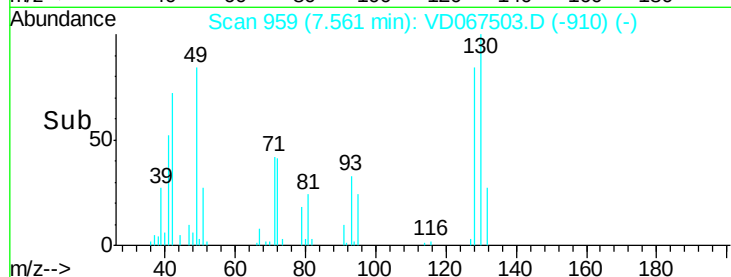
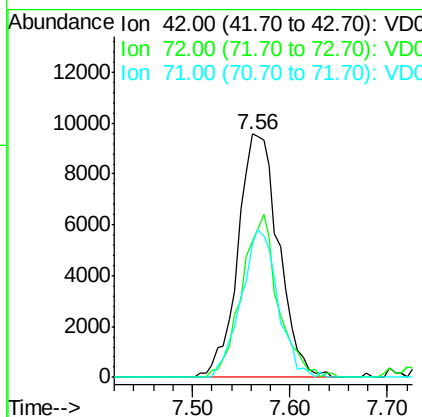
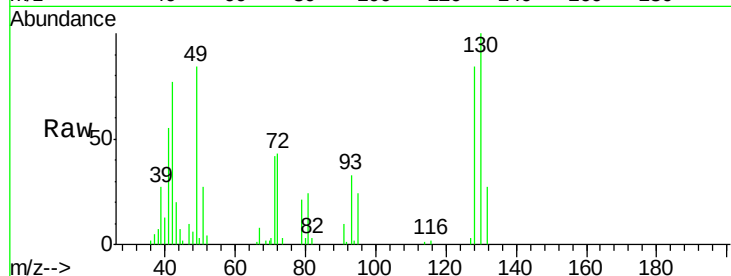
#29
Tetrahydrofuran
Concen: 103.357 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.7	46.3	69.5
71	54.9	44.0	66.0

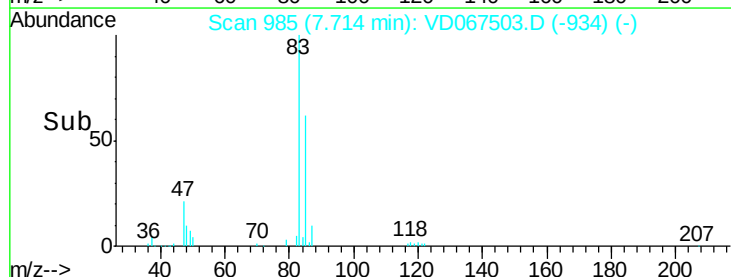
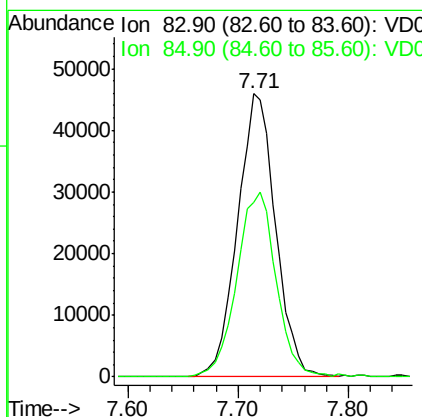
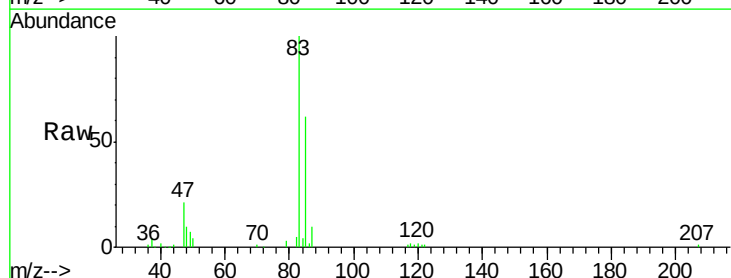
Manual Integrations
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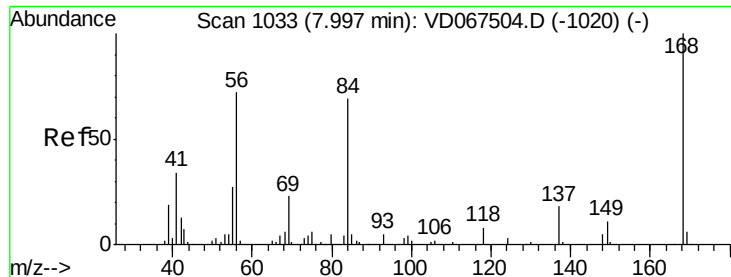
MMDadoda
11/4/2020 10:43:19 AM



#30
Chloroform
Concen: 20.267 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.5	77.3





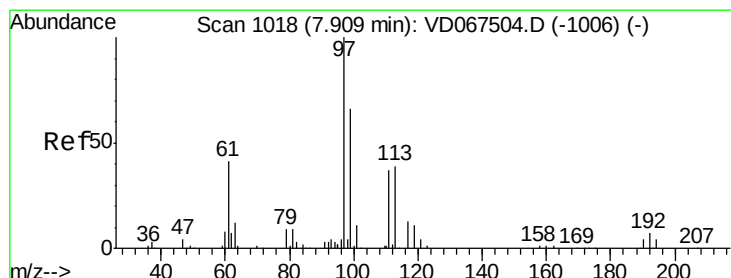
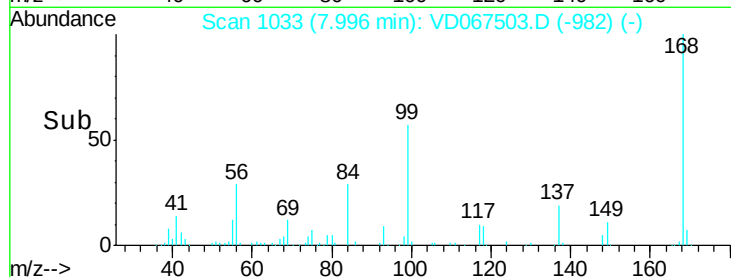
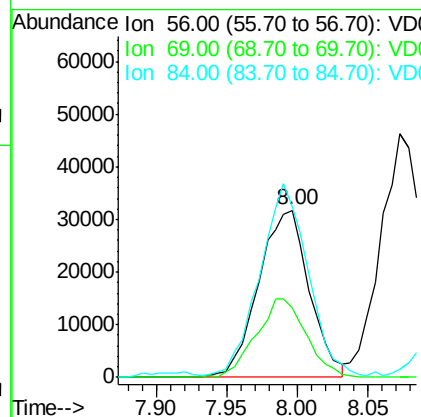
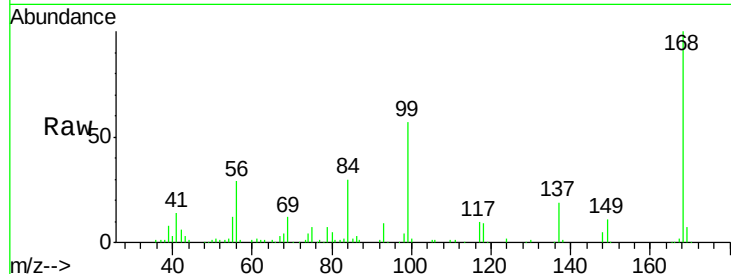
#31
Cyclohexane
Concen: 19.512 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	41.4	25.9	38.9	
84	100.8	76.2	114.4	

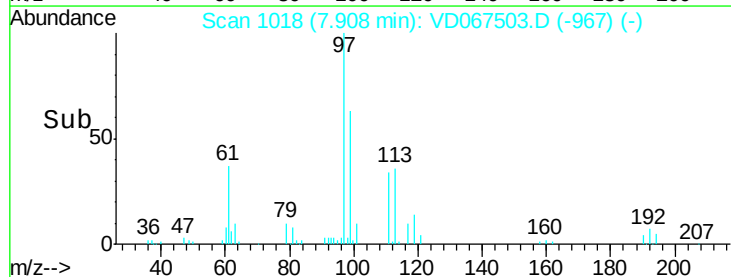
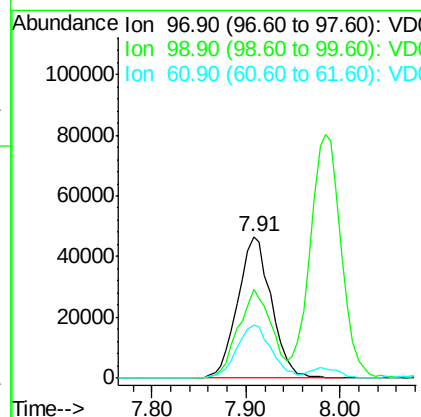
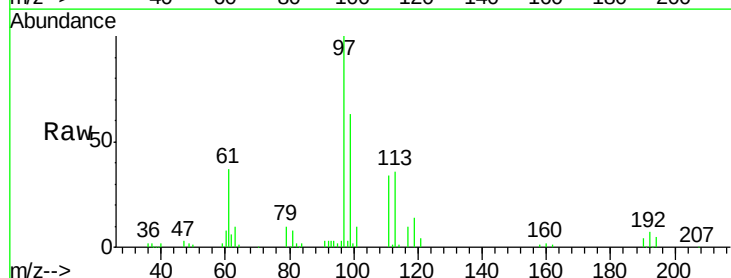
Manual Integrations
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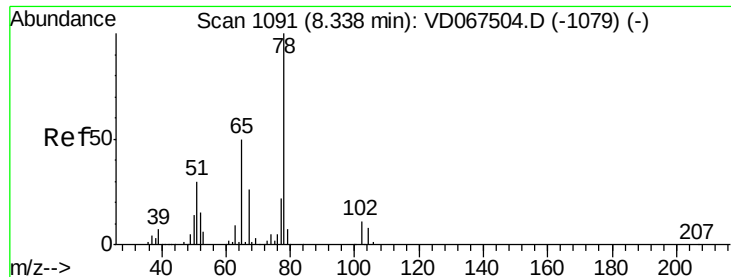
MMDadoda
11/4/2020 10:43:19 AM



#32
1,1,1-Trichloroethane
Concen: 20.513 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	62.1	51.8	77.6	
61	38.2	30.5	45.7	





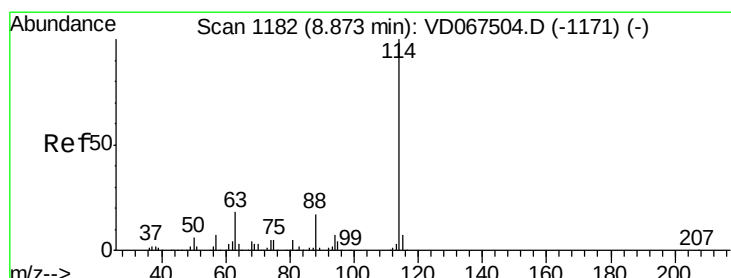
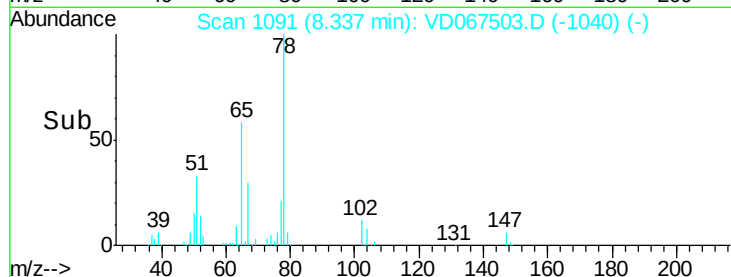
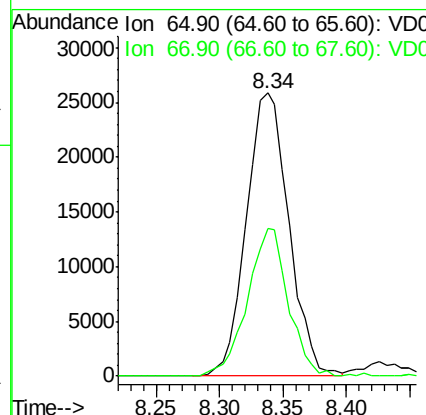
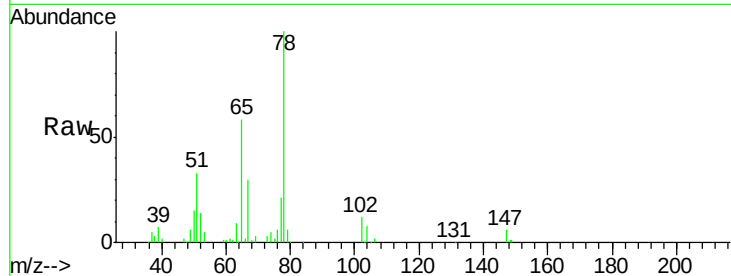
#33
 1,2-Dichloroethane-d4
 Concen: 21.399 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.4

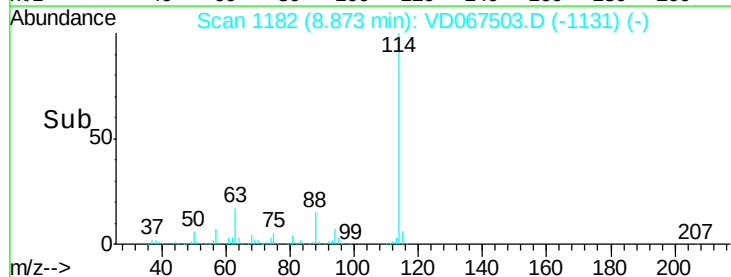
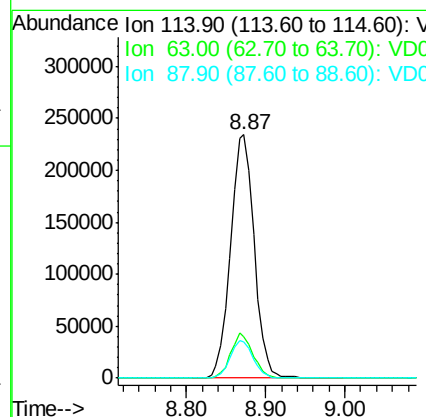
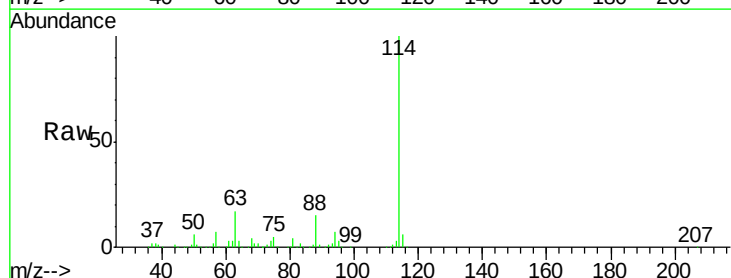
Manual Integrations
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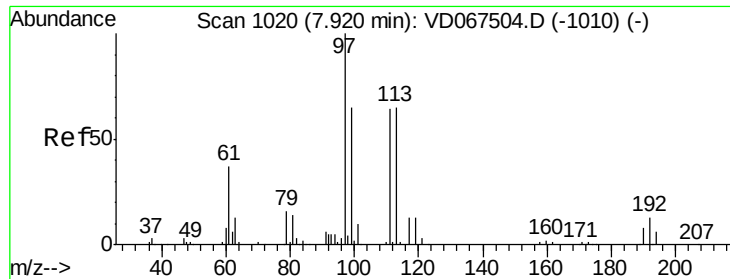
MMDadoda
 11/4/2020 10:43:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	35.0
88	15.1	0.0	33.0





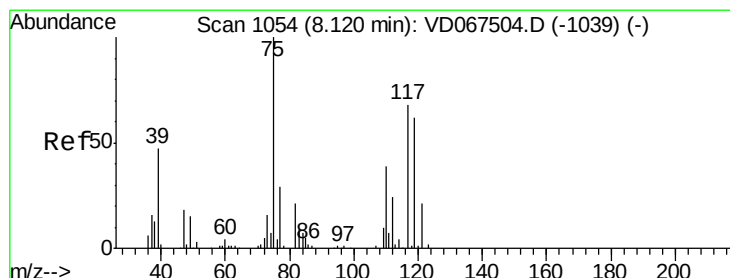
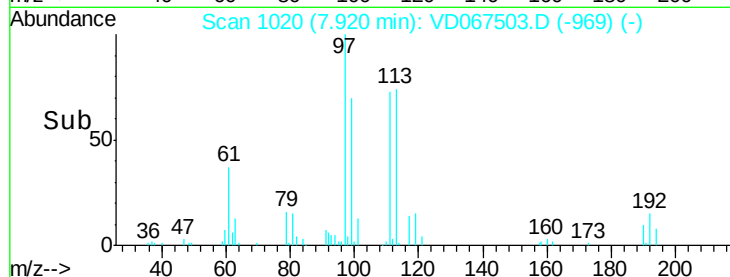
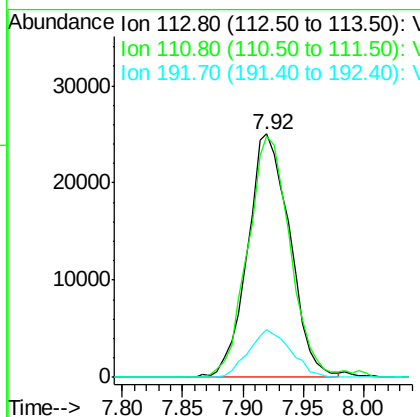
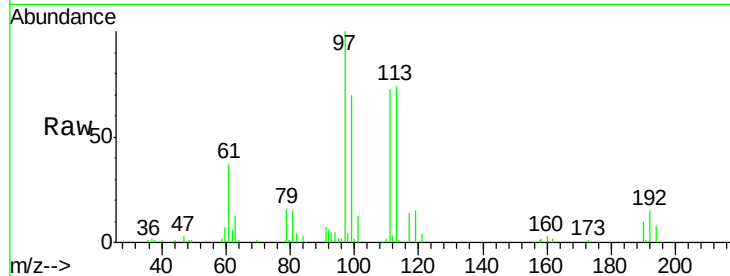
#35
 Dibromofluoromethane
 Concen: 20.853 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.0	80.0	120.0
192	19.6	16.3	24.5

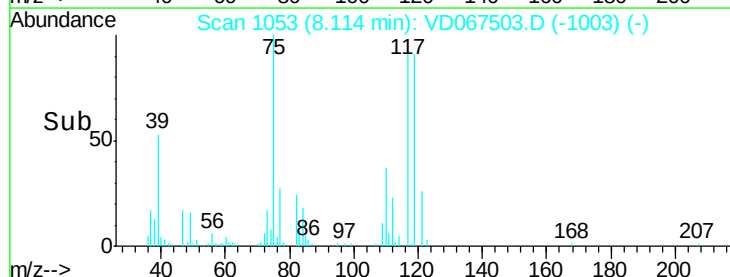
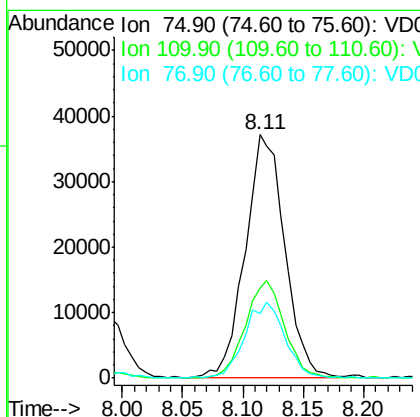
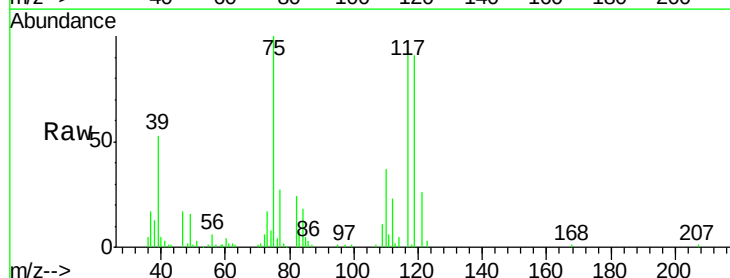
Manual Integrations
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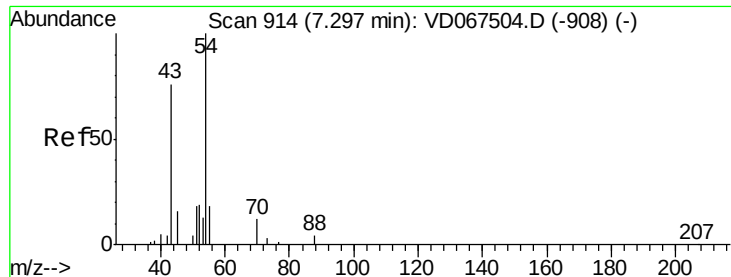
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#36
 1,1-Dichloropropene
 Concen: 20.475 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.9	59.7
77	31.6	24.8	37.2





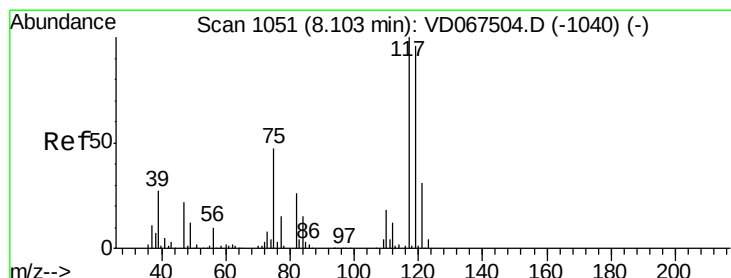
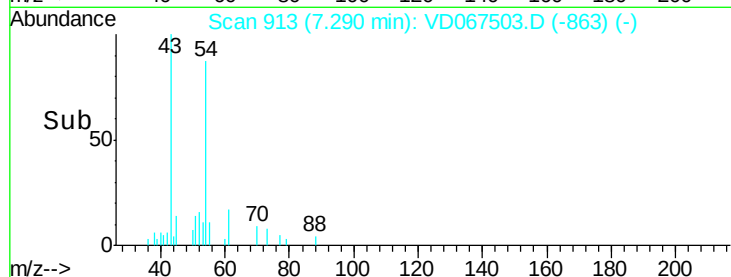
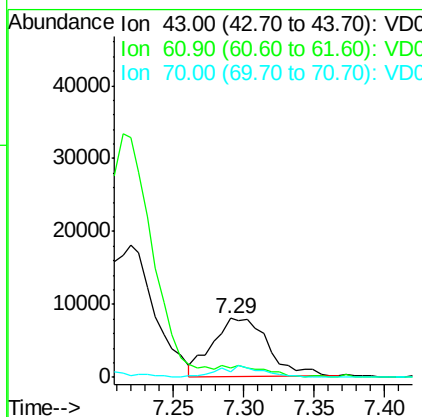
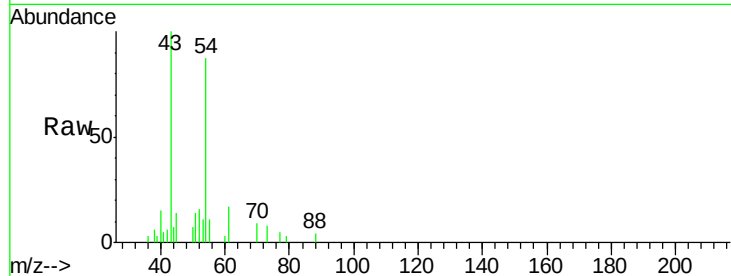
#37
Ethyl Acetate
Concen: 20.424 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.8	19.2
70	16.2	11.7	17.5

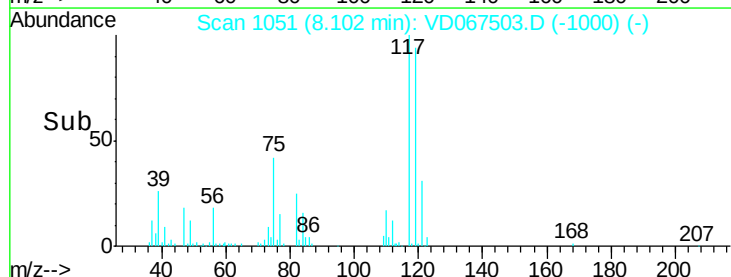
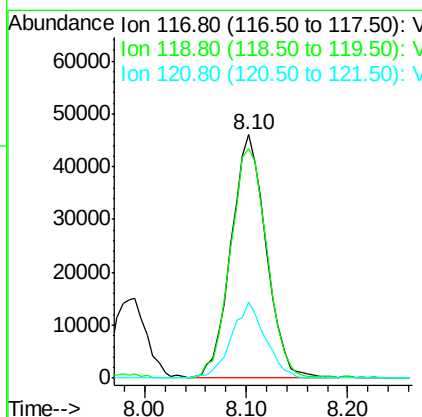
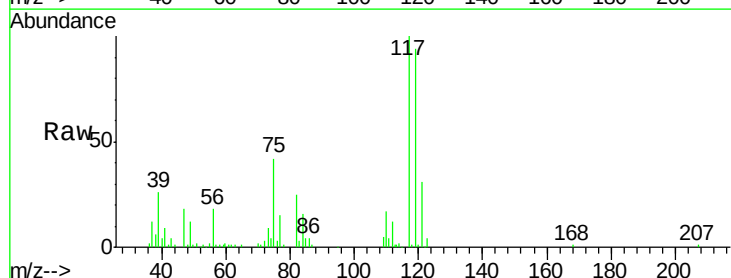
Manual Integrations
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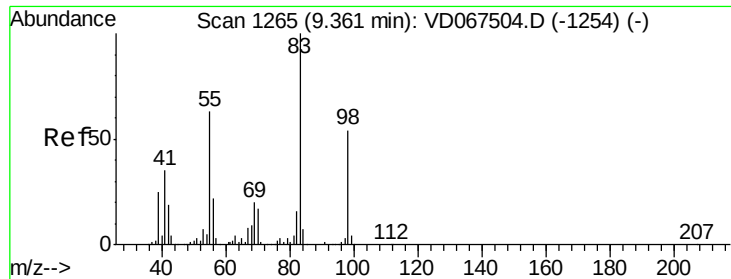
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#38
Carbon Tetrachloride
Concen: 20.541 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.9	115.3
121	31.3	24.5	36.7





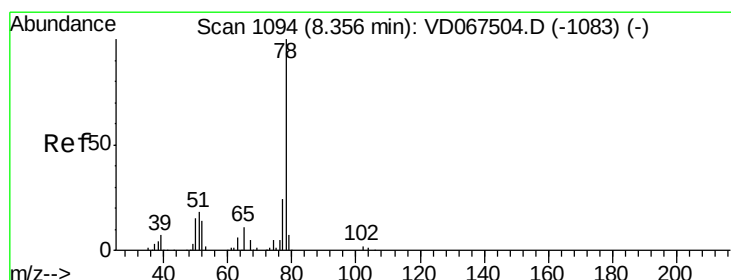
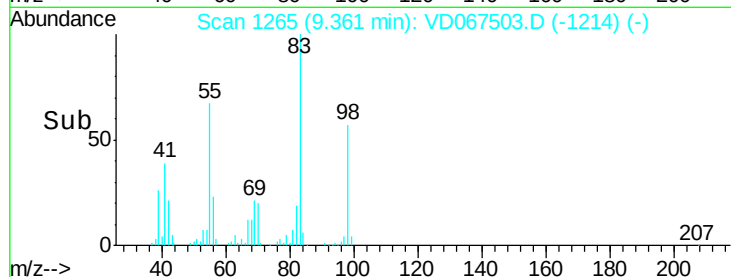
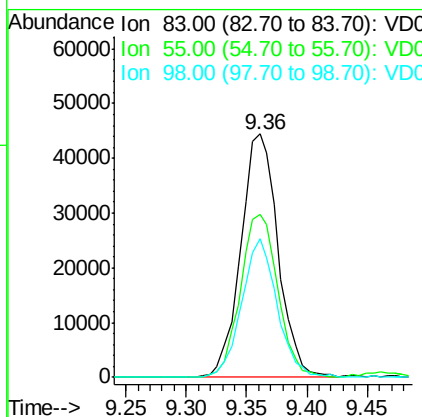
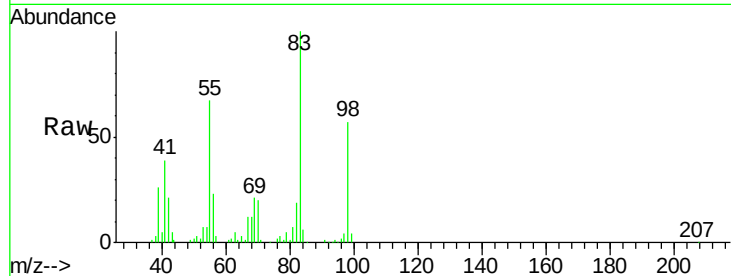
#39
Methylvlcyclohexane
Concen: 19.554 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.8	50.5	75.7
98	57.1	43.4	65.0

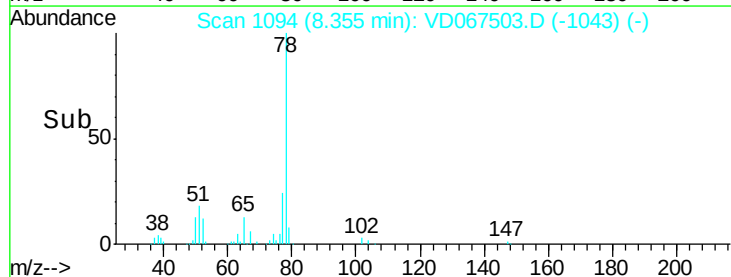
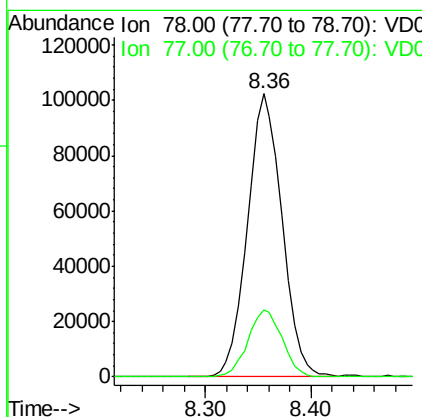
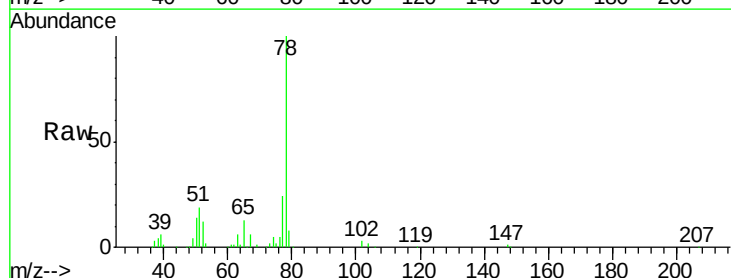
Manual Integrations
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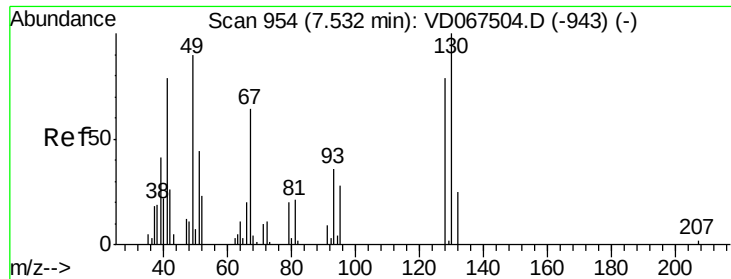
MMDadoda
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#40
Benzene
Concen: 20.787 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 24.394 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 13198

Ion Ratio Lower Upper

41 100

39 133.0 51.3 76.9#

67 0.0 78.9 118.3#

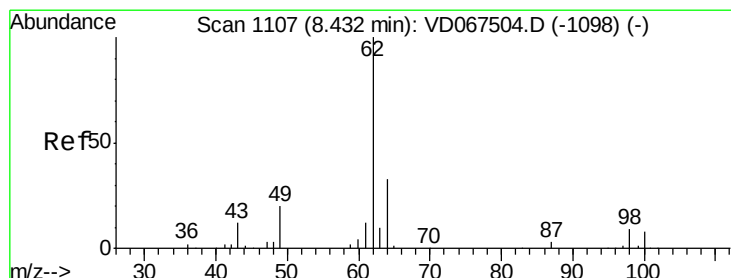
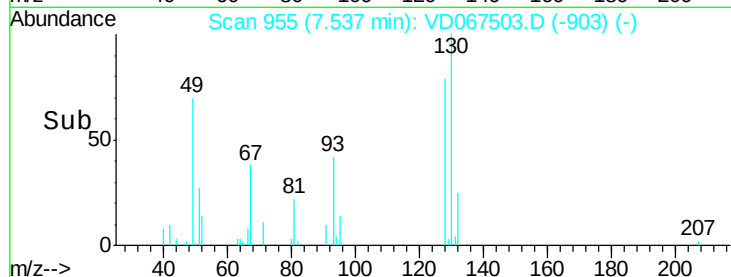
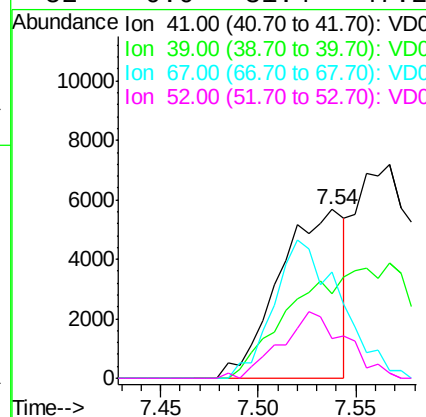
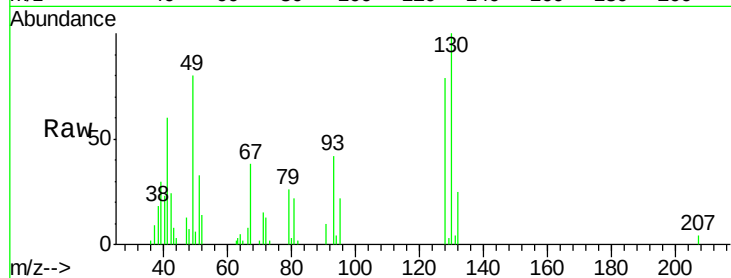
52 0.0 31.4 47.2#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.844 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067503.D

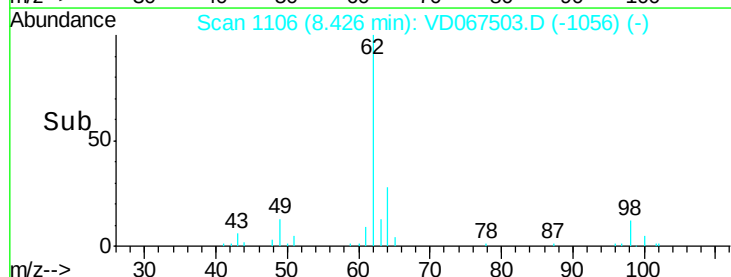
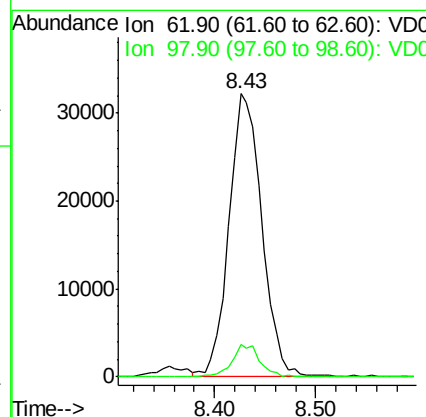
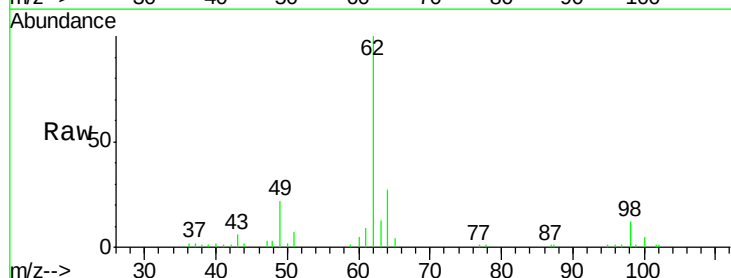
Acq: 03 Nov 2020 11:10

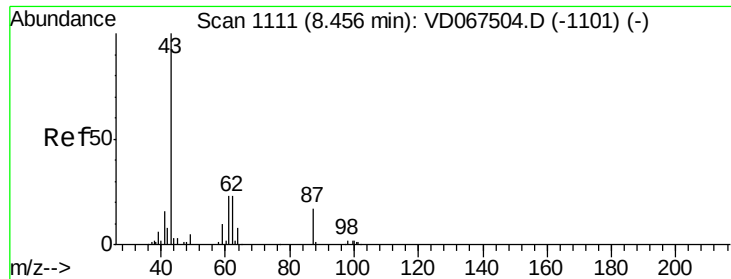
Tgt Ion: 62 Resp: 72273

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.8





#43

Isopropyl Acetate

Concen: 19.909 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

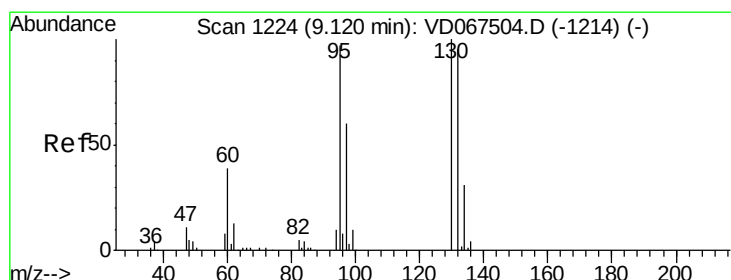
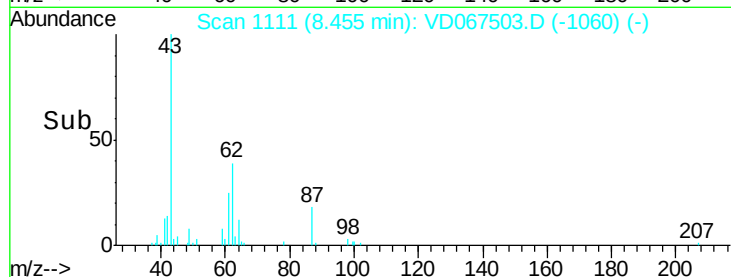
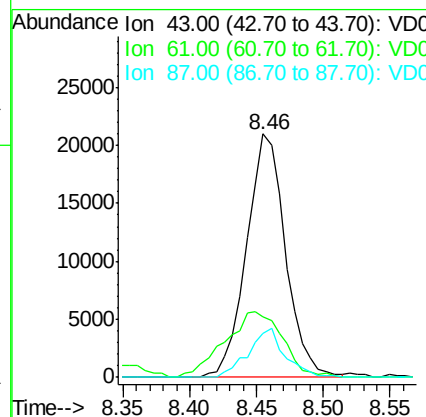
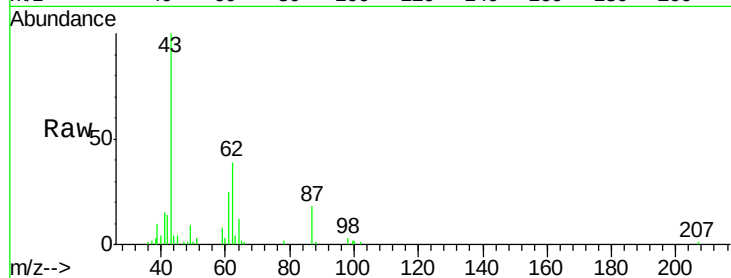
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	42351
Ion	Ratio	Lower	Upper
43	100		
61	40.2	30.5	45.7
87	18.8	14.7	22.1

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11/4/2020 10:43:19 AM



#44

Trichloroethene

Concen: 20.361 ug/l

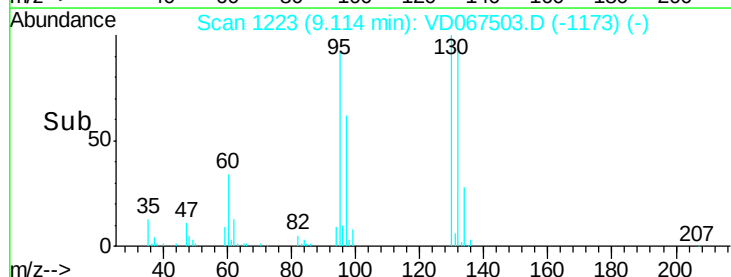
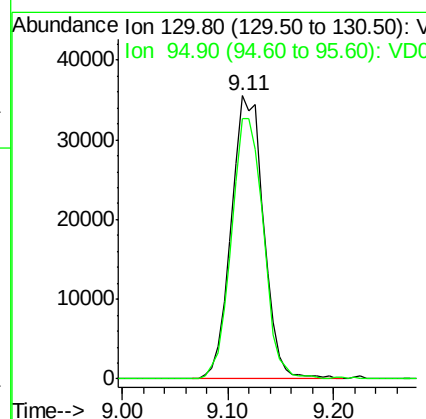
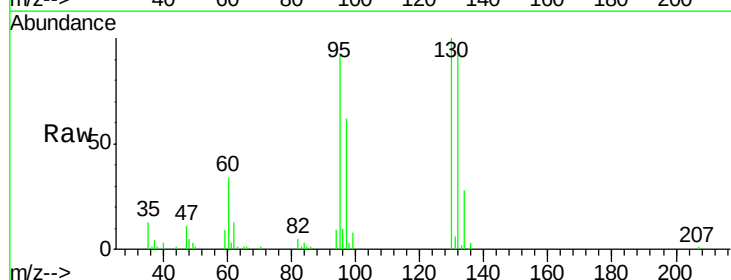
RT: 9.11 min Scan# 1223

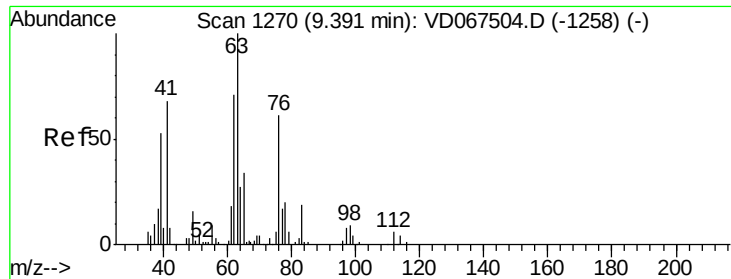
Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion:	130	Resp:	75132
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	194.4





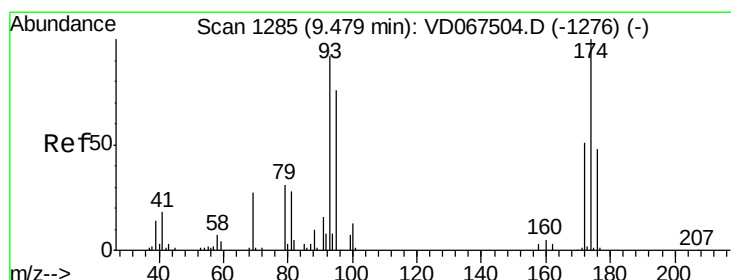
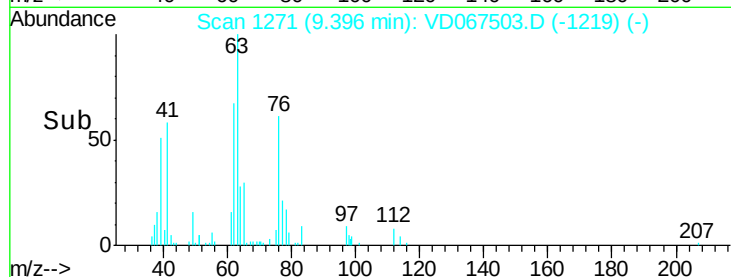
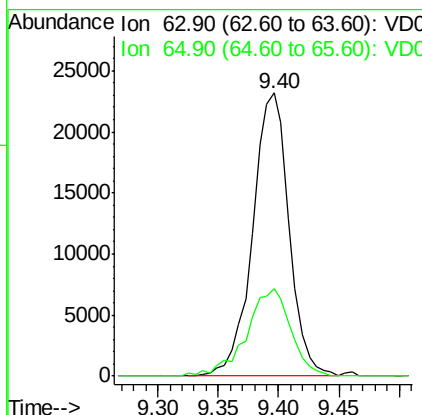
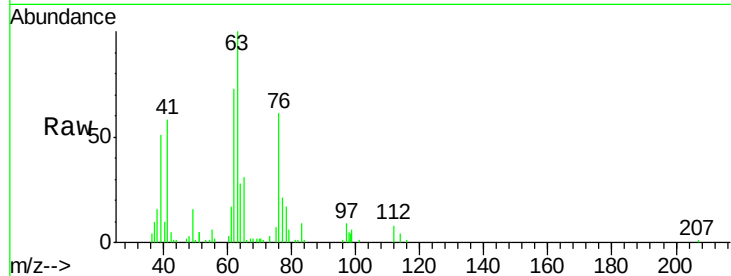
#45
 1,2-Dichloropropane
 Concen: 20.094 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 48754
 Ion Ratio Lower Upper
 63 100
 65 31.1 26.9 40.3

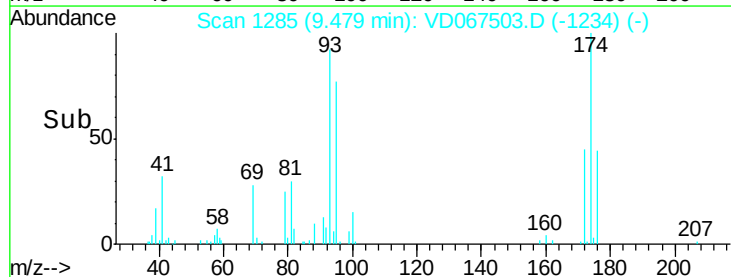
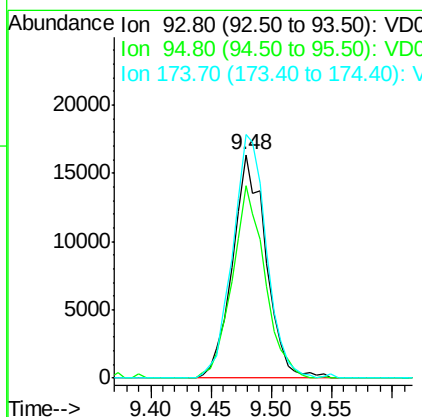
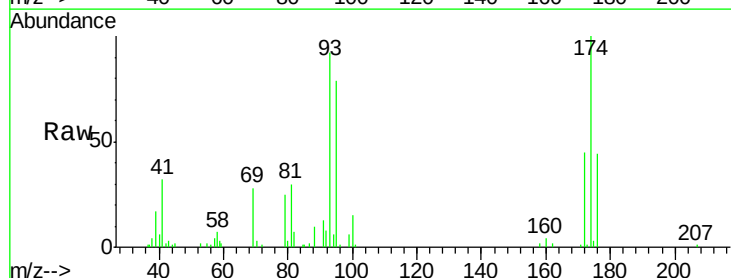
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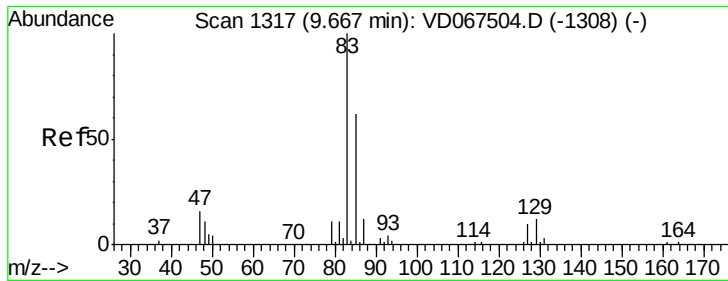
MMDadoda
 11/4/2020 10:43:19 AM



#46
 Dibromomethane
 Concen: 20.443 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion: 93 Resp: 31538
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.4 99.6
 174 110.6 88.2 132.4





#47

Bromodichloromethane

Concen: 20.928 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

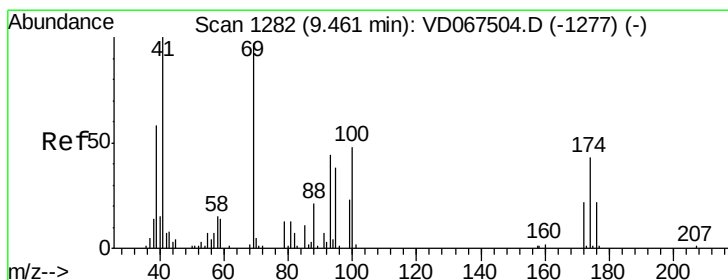
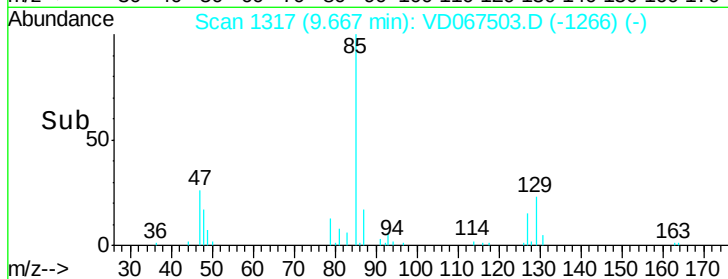
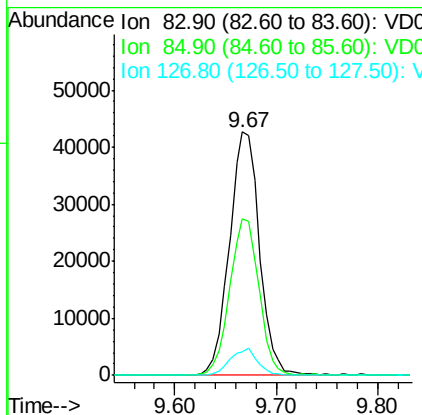
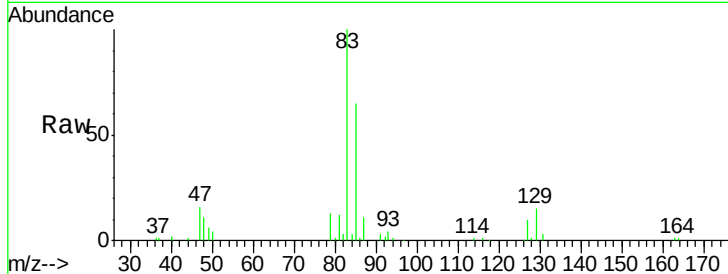
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	87754
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.2
127	9.9	7.7	11.5

Manual Integrations
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MMDadoda
11/4/2020 10:43:19 AM



#48

Methyl methacrylate

Concen: 18.964 ug/l

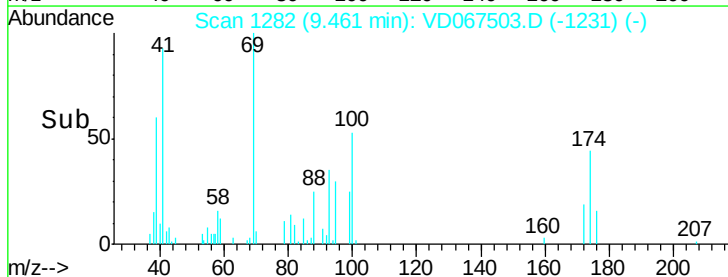
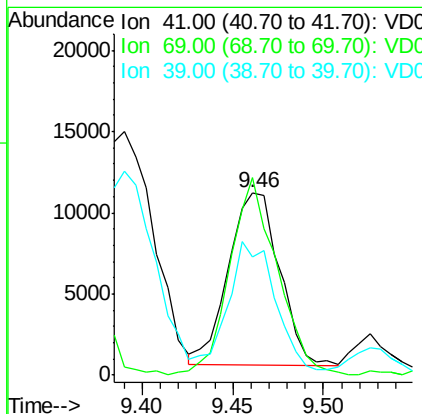
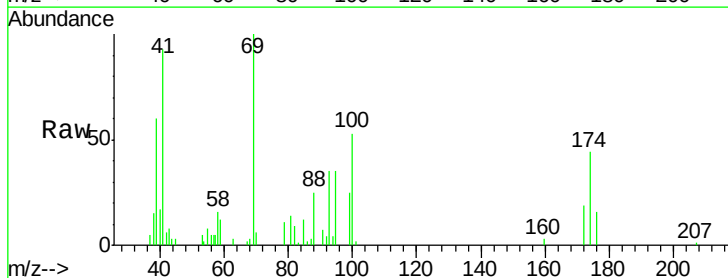
RT: 9.46 min Scan# 1282

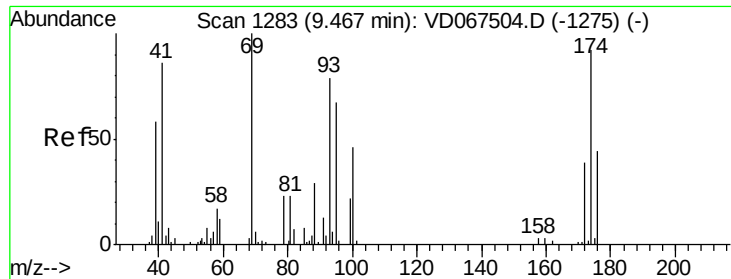
Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion:	41	Resp:	20829
Ion	Ratio	Lower	Upper
41	100		
69	106.5	80.6	121.0
39	72.8	50.2	75.4





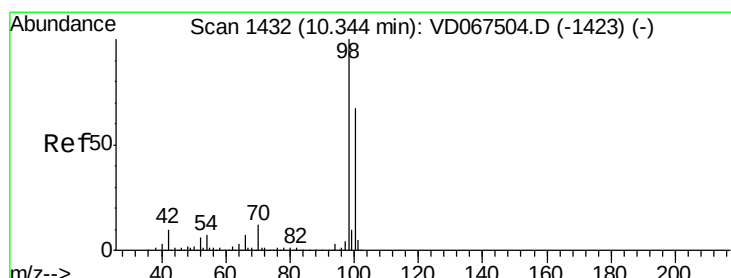
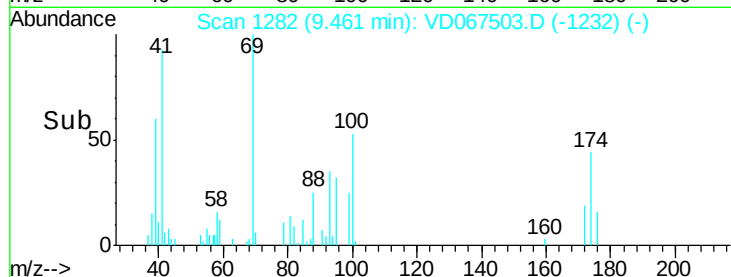
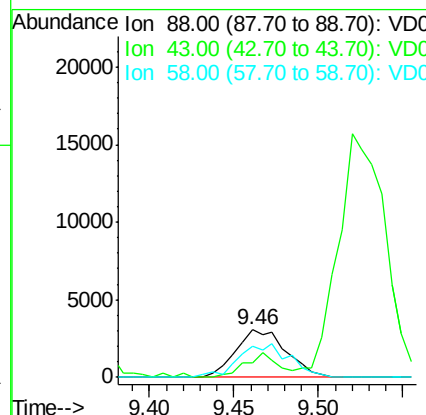
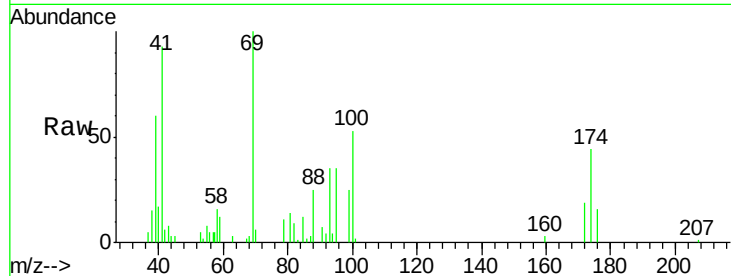
#49
1,4-Dioxane
Concen: 407.751 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 6386
Ion Ratio Lower Upper
88 100
43 33.5 23.6 35.4
58 71.0 44.7 67.1#

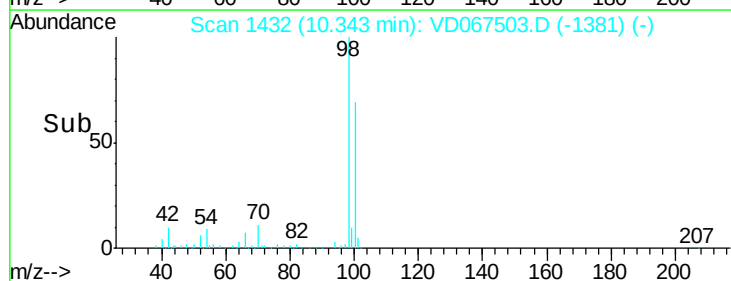
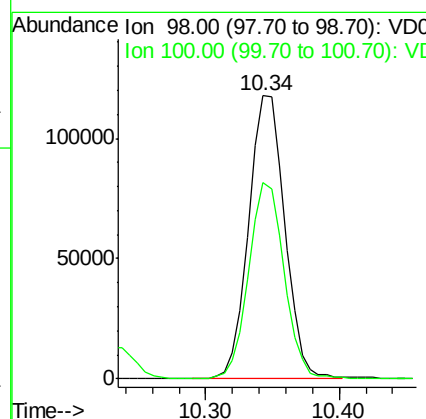
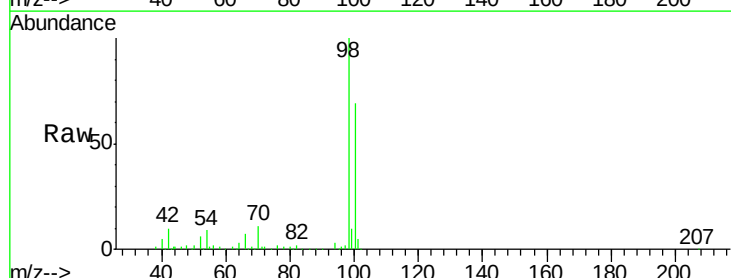
Manual Integrations
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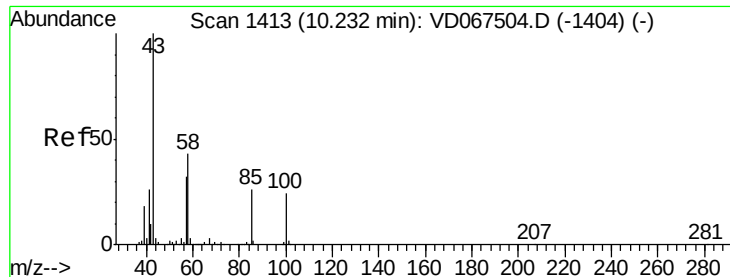
MMDadoda
11/4/2020 10:43:19 AM



#50
Toluene-d8
Concen: 21.472 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 98 Resp: 220043
Ion Ratio Lower Upper
98 100
100 68.5 53.0 79.6





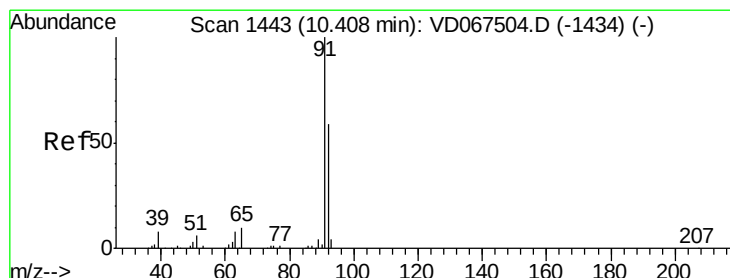
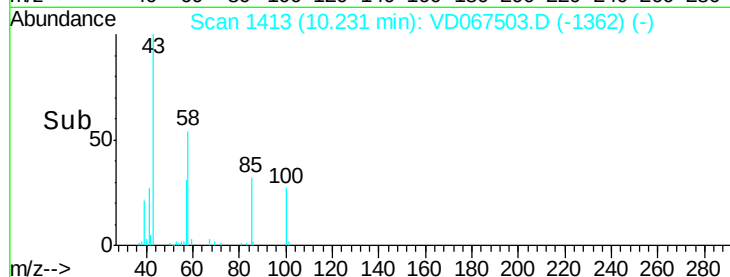
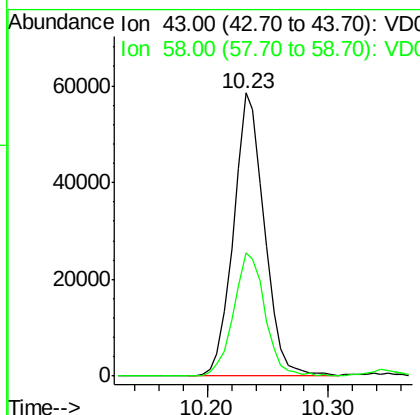
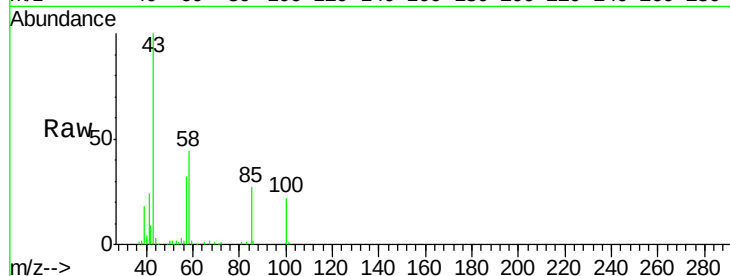
#51
4-Methyl-2-Pentanone
Concen: 102.421 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 104197
Ion Ratio Lower Upper
43 100
58 44.3 35.6 53.4

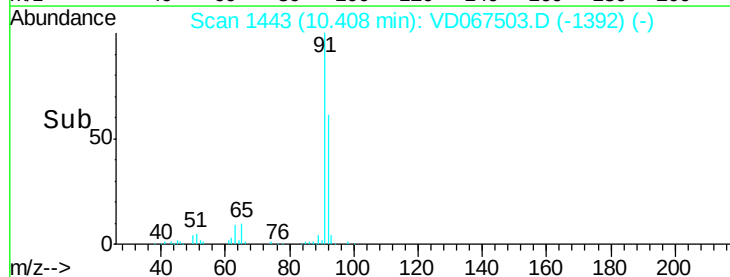
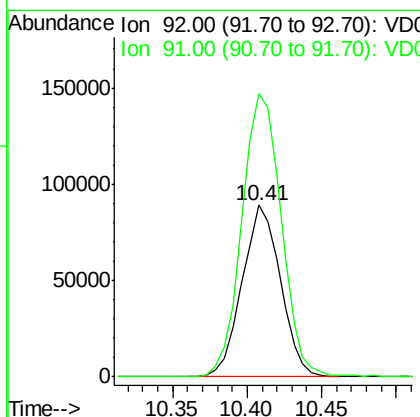
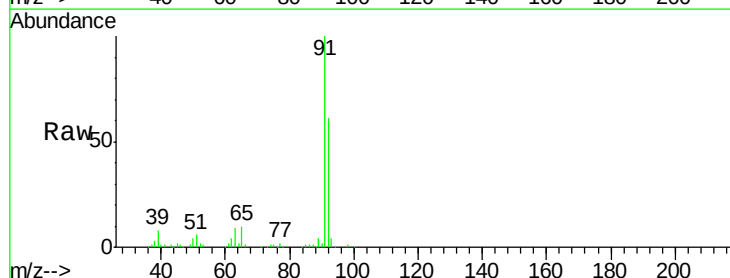
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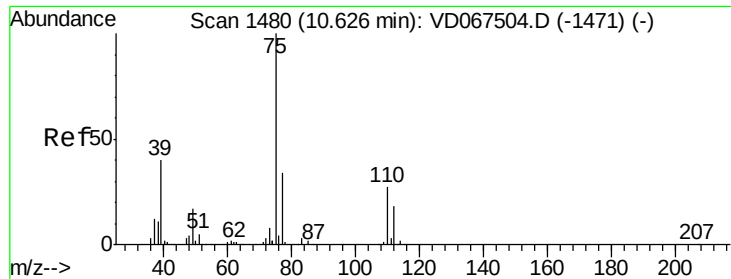
MMDadoda
11/4/2020 10:43:19 AM



#52
Toluene
Concen: 21.090 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 92 Resp: 158526
Ion Ratio Lower Upper
92 100
91 170.1 137.0 205.6





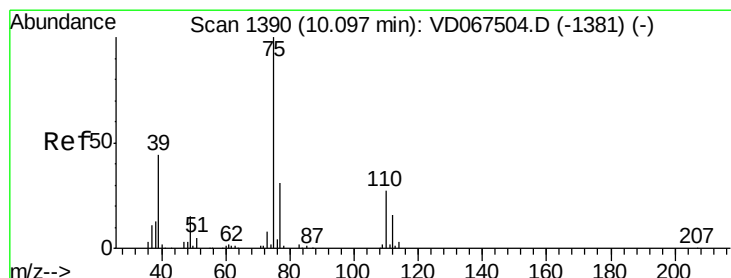
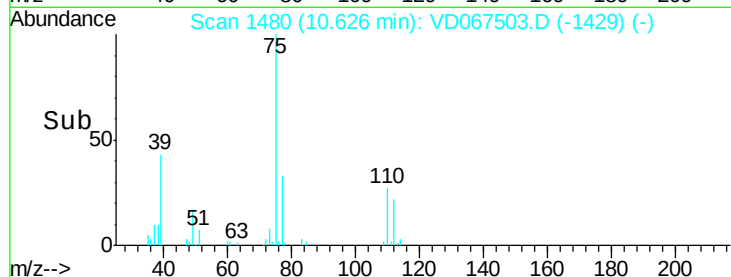
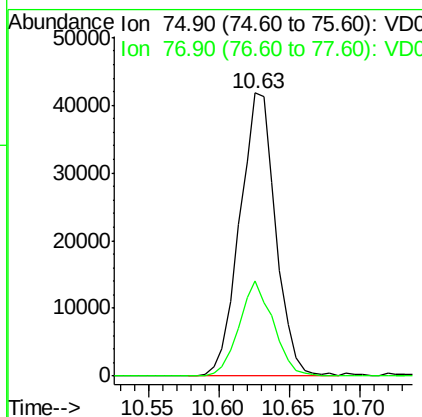
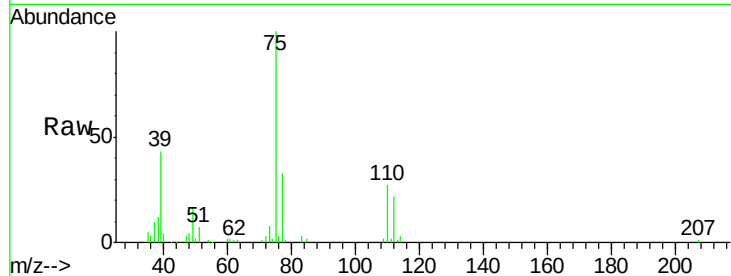
#53
t-1,3-Dichloropropene
Concen: 20.657 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 74184
Ion Ratio Lower Upper
75 100
77 33.4 27.0 40.6

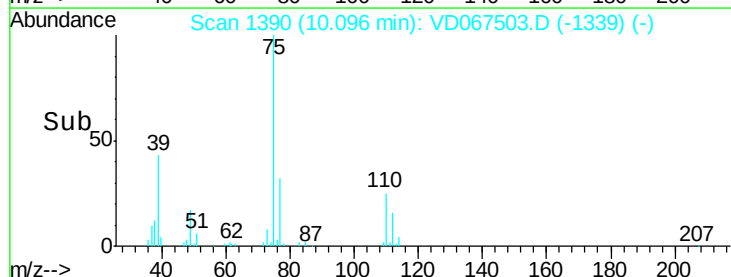
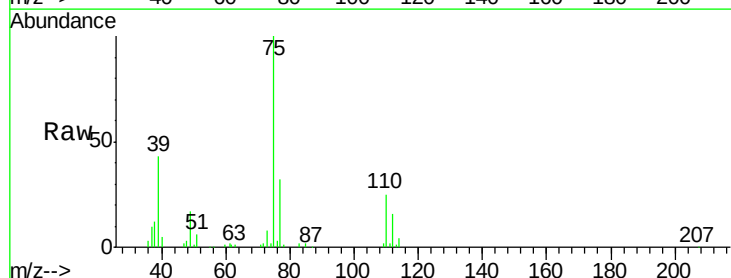
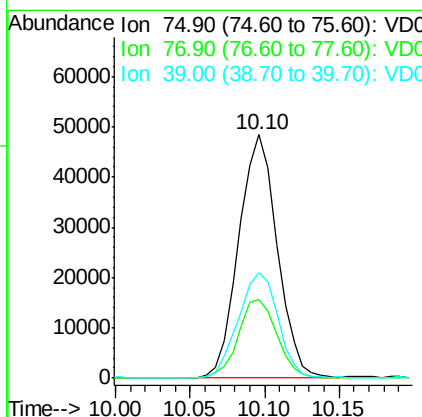
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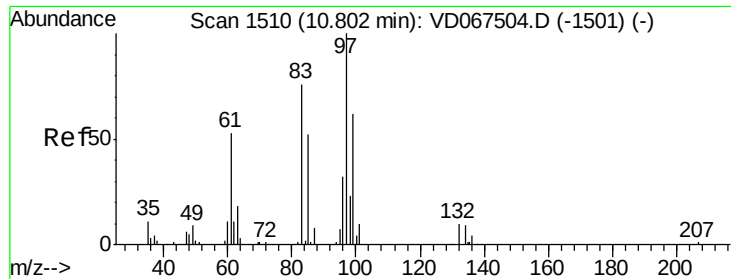
MMDadoda
11/4/2020 10:43:19 AM



#54
cis-1,3-Dichloropropene
Concen: 20.341 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 75 Resp: 86793
Ion Ratio Lower Upper
75 100
77 32.1 24.4 36.6
39 43.4 35.6 53.4





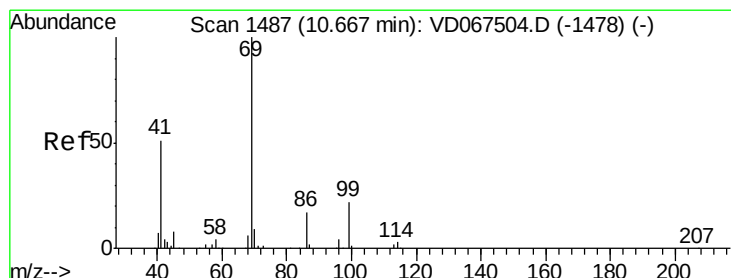
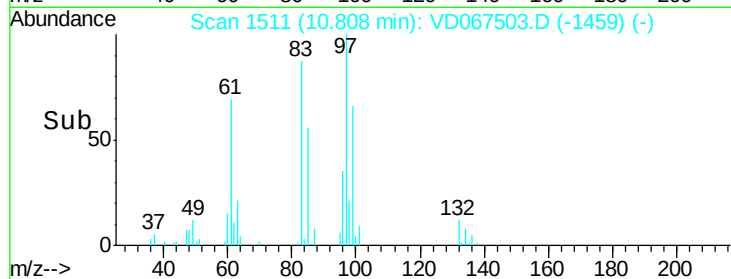
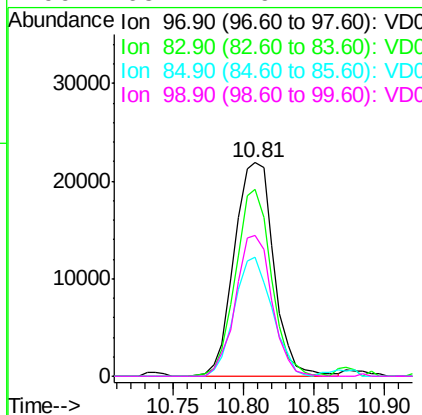
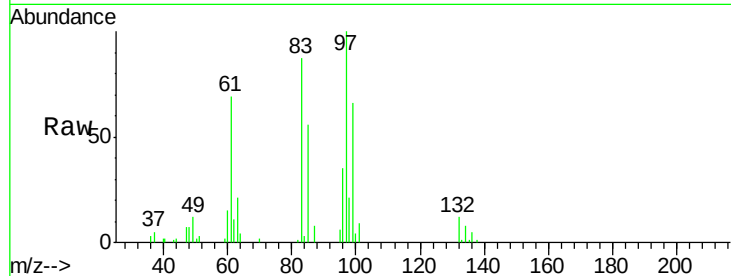
#55
 1,1,2-Trichloroethane
 Concen: 21.069 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	43007
Ion	Ratio	Lower	Upper
97	100		
83	87.3	61.0	91.6
85	55.7	41.5	62.3
99	65.7	49.4	74.2

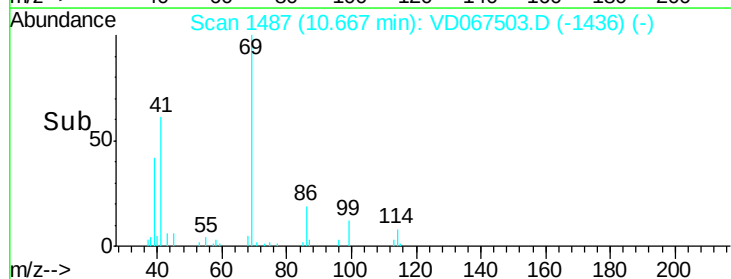
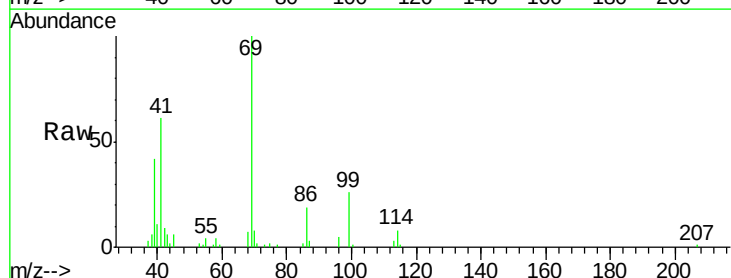
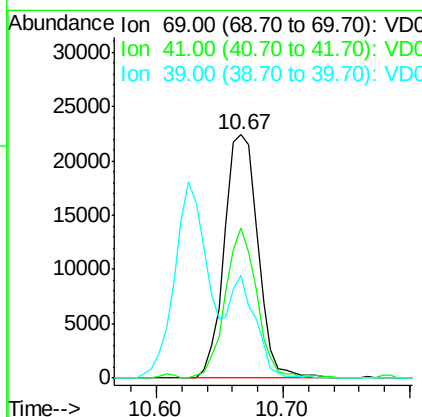
Manual Integrations
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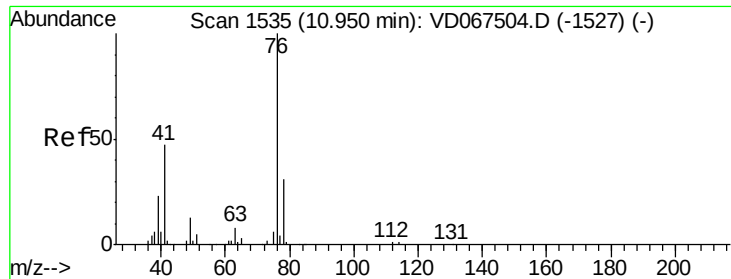
MMDadoda
 11/4/2020 10:43:19 AM



#56
 Ethyl methacrylate
 Concen: 19.433 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion:	69	Resp:	40964
Ion	Ratio	Lower	Upper
69	100		
41	57.4	45.4	68.0
39	35.2	27.4	41.0





#57

1,3-Dichloropropane

Concen: 20.183 ug/l

RT: 10.95 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 66297

Ion Ratio Lower Upper

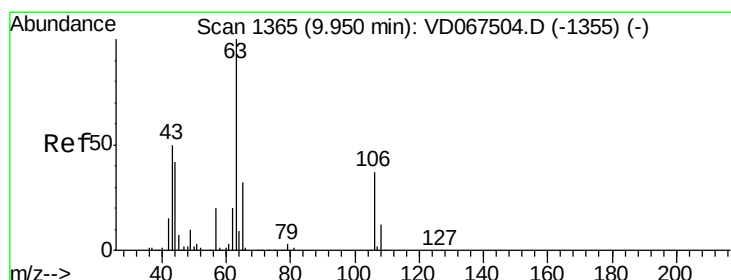
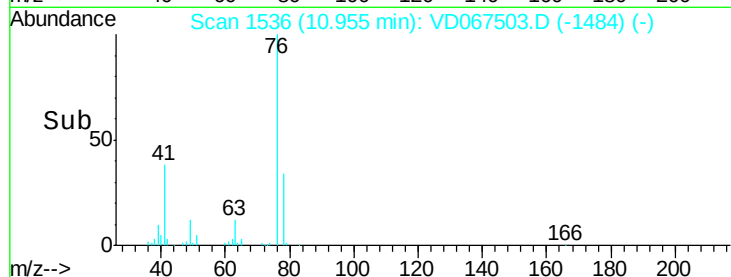
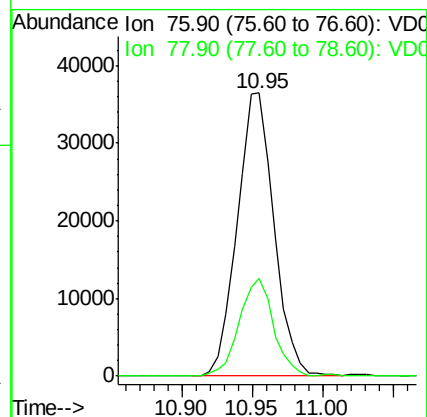
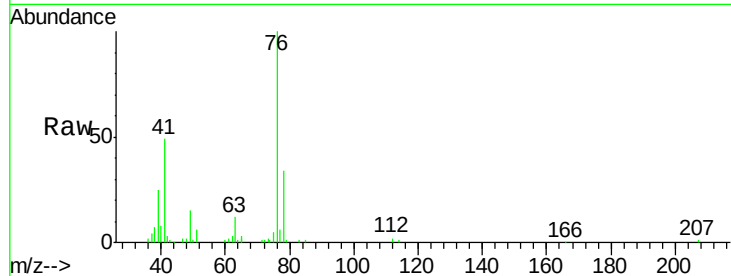
76 100

78 31.9 26.1 39.1

Manual Integrations
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MMDadoda

11/4/2020 10:43:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.624 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067503.D

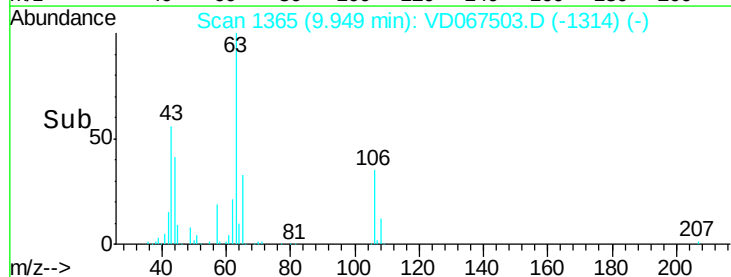
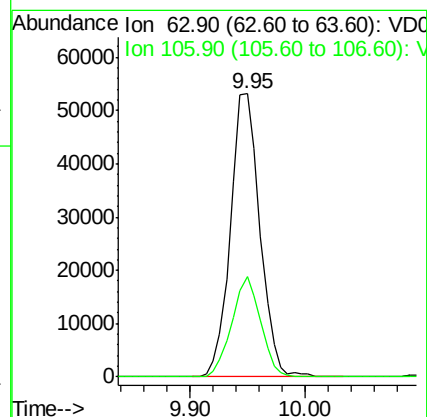
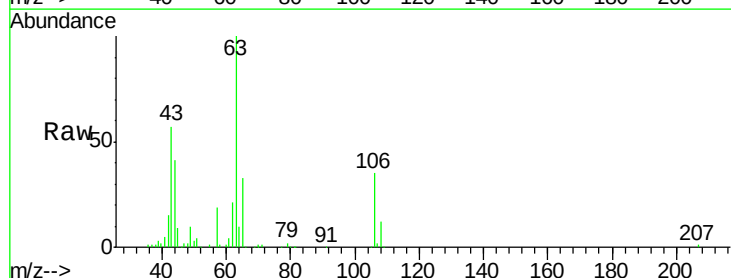
Acq: 03 Nov 2020 11:10

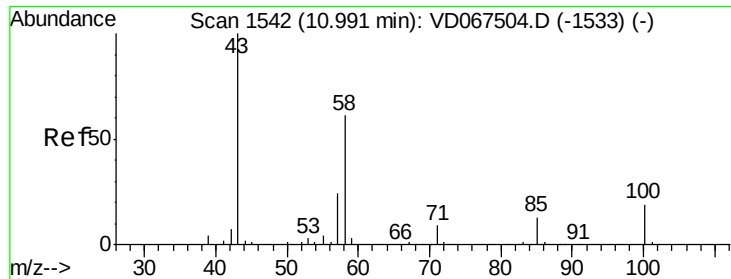
Tgt Ion: 63 Resp: 93997

Ion Ratio Lower Upper

63 100

106 34.6 29.2 43.8





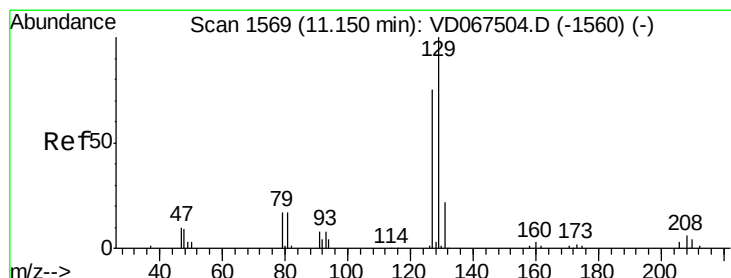
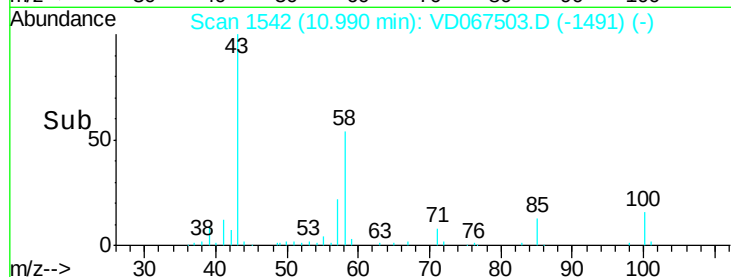
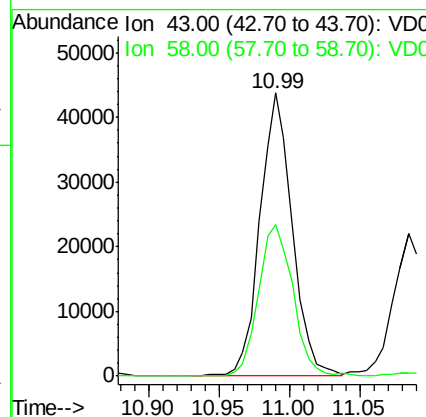
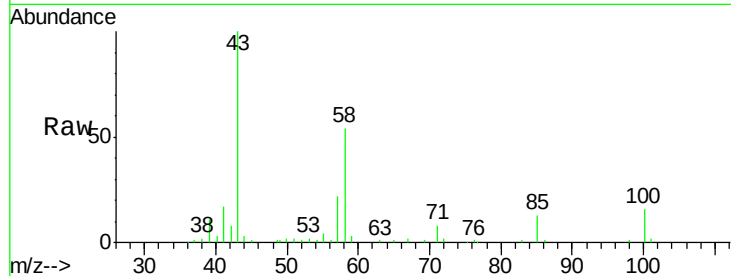
#59
2-Hexanone
Concen: 99.105 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 70496
Ion Ratio Lower Upper
43 100
58 57.0 30.3 90.9

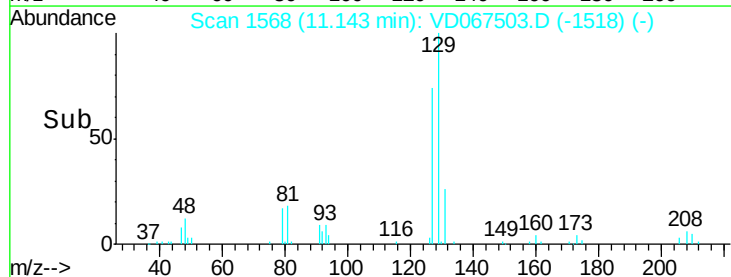
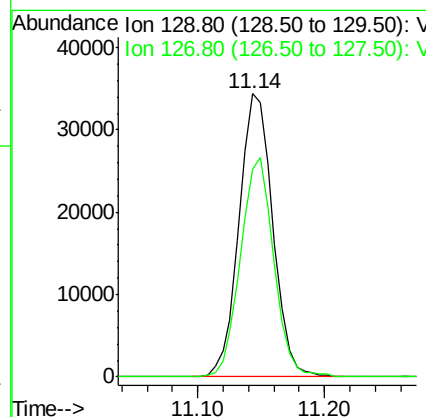
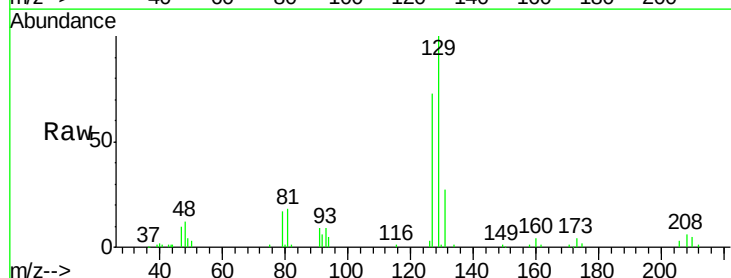
Manual Integrations
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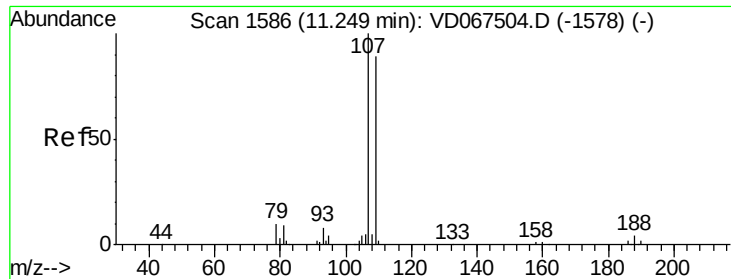
MMDadoda
11/4/2020 10:43:19 AM



#60
Dibromochloromethane
Concen: 20.969 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion: 129 Resp: 63318
Ion Ratio Lower Upper
129 100
127 76.6 38.0 114.1





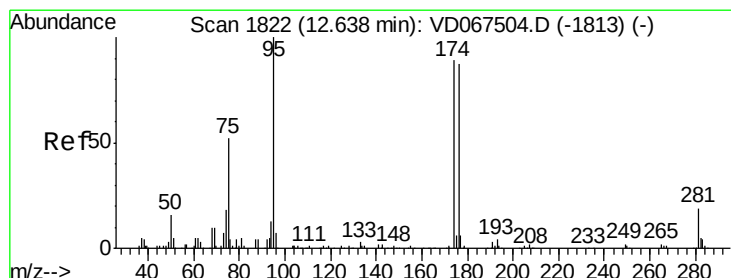
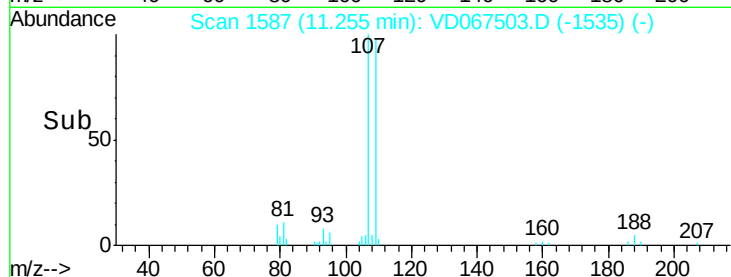
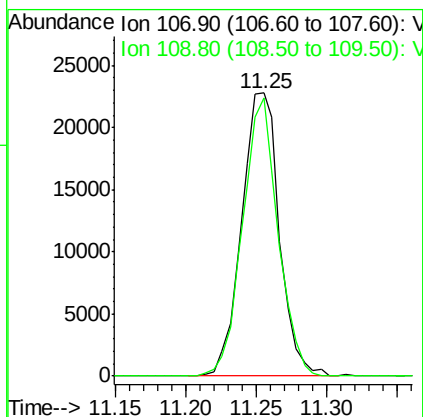
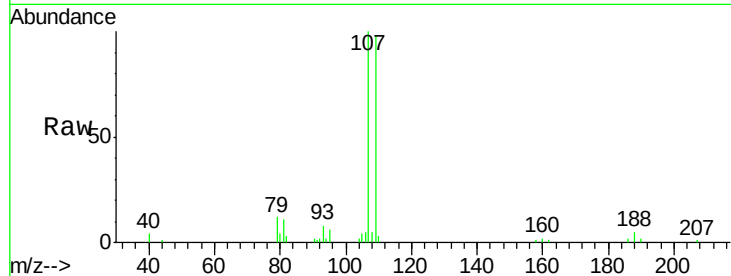
#61
 1,2-Dibromoethane
 Concen: 20.800 ug/l
 RT: 11.25 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 42613
 Ion Ratio Lower Upper
 107 100
 109 92.1 74.6 111.8

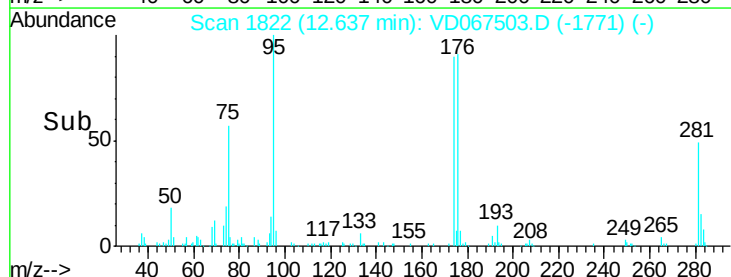
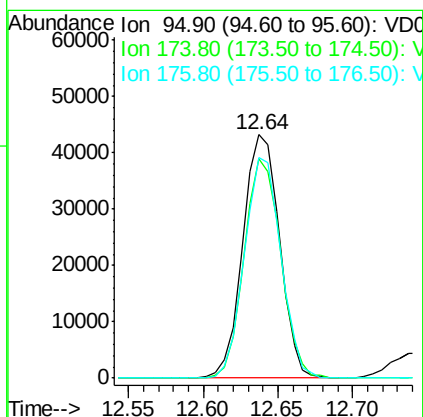
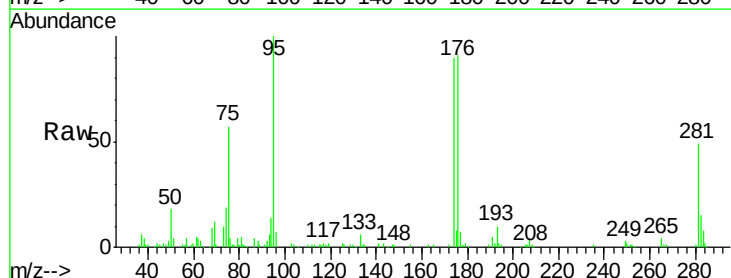
Manual Integrations
 APPROVED

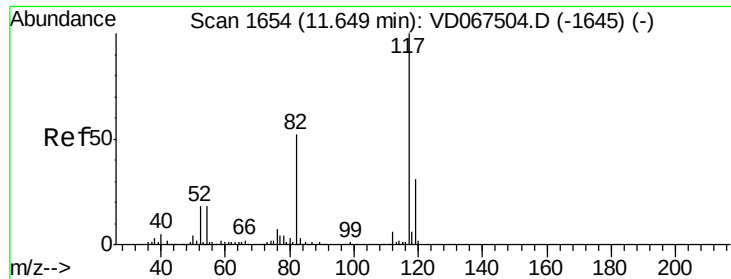
MMDadoda
 11/4/2020 10:43:19 AM



#62
 4-Bromofluorobenzene
 Concen: 20.761 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion: 95 Resp: 73455
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 177.8
 176 90.0 0.0 172.0





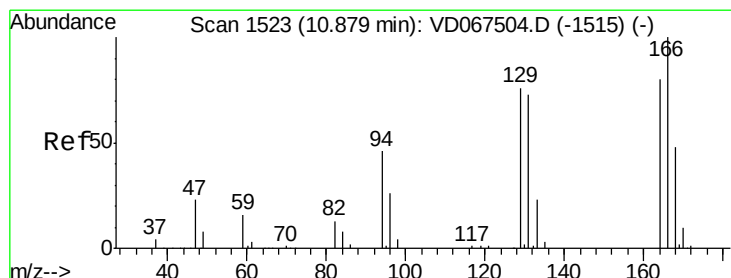
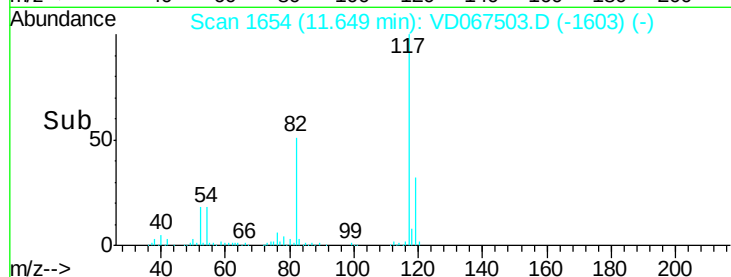
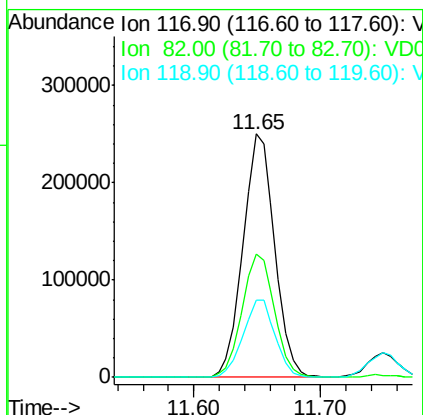
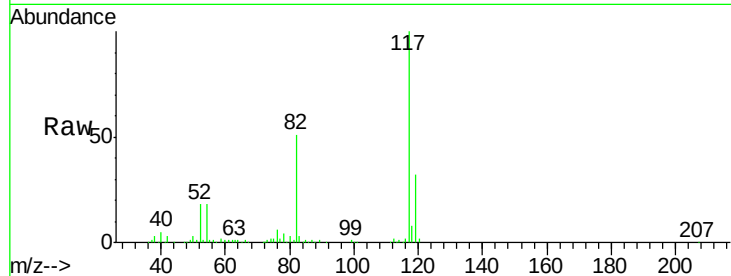
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	434147		
82	50.6		41.6	62.4
119	31.5		25.1	37.7

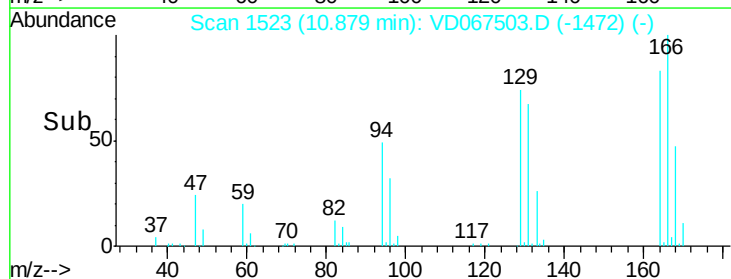
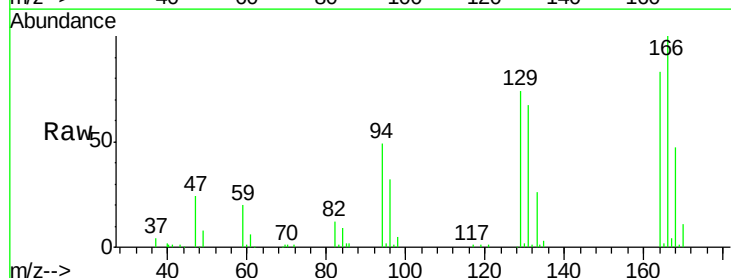
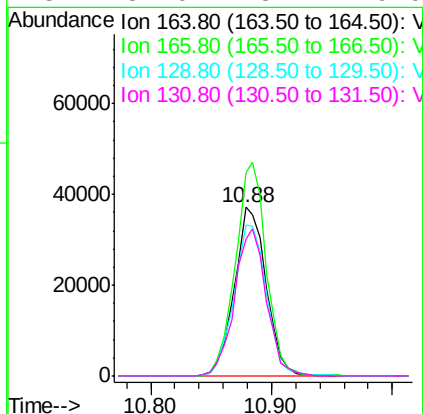
Manual Integrations
APPROVED

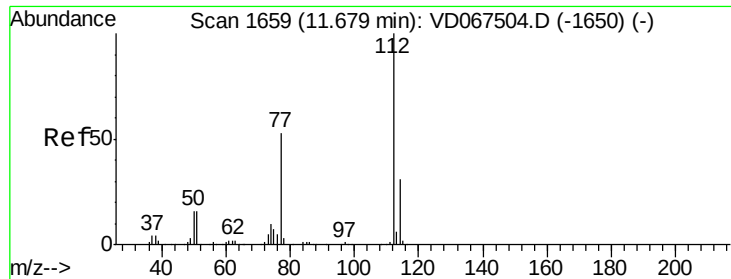
MMDadoda
11/4/2020 10:43:19 AM



#64
Tetrachloroethene
Concen: 21.109 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67872		
166	120.6		99.9	149.9
129	89.7		75.5	113.3
131	81.0		73.4	110.0





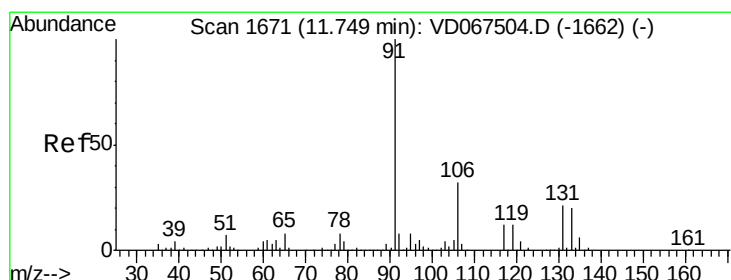
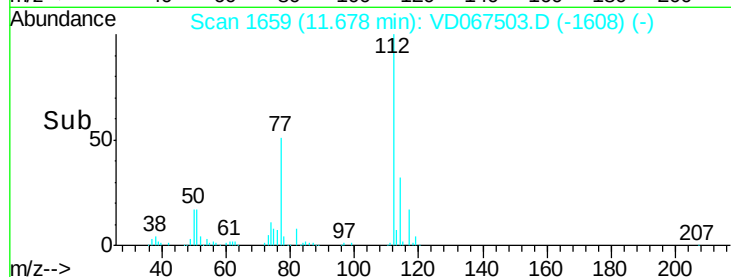
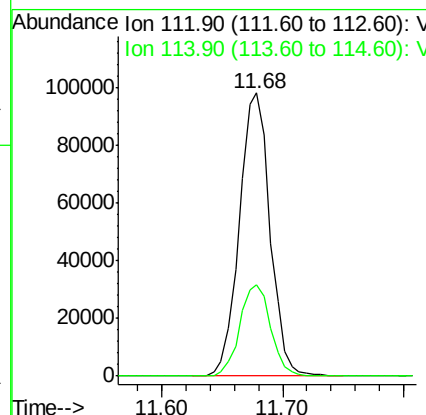
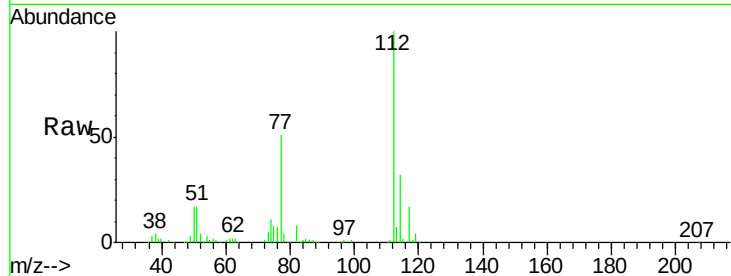
#65
Chlorobenzene
Concen: 20.822 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.9	37.3

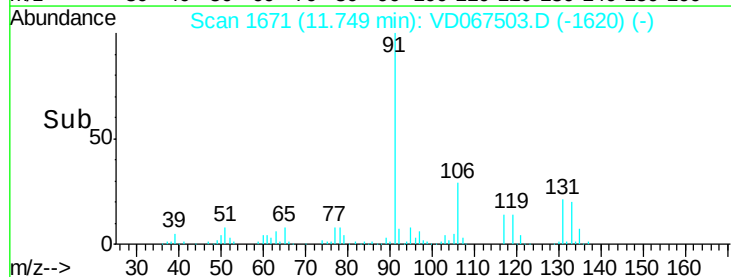
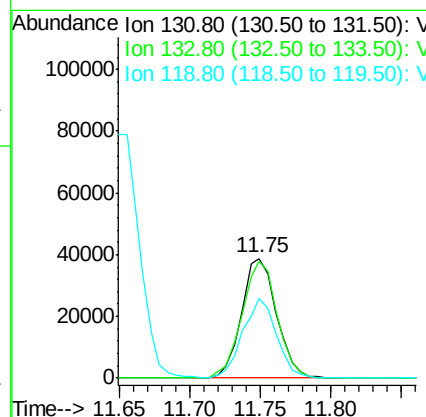
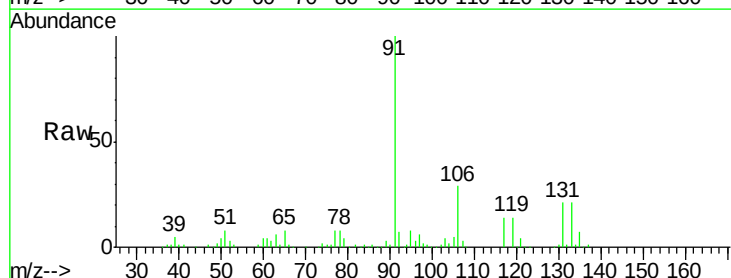
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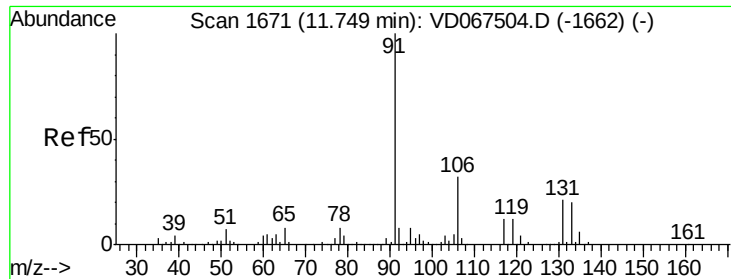
MMDadoda
11/4/2020 10:43:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.418 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.0	48.0	144.0
119	64.2	30.1	90.5





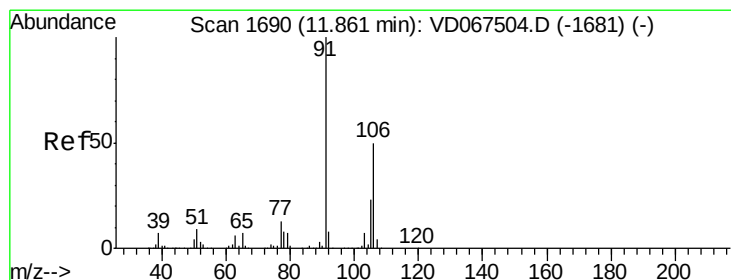
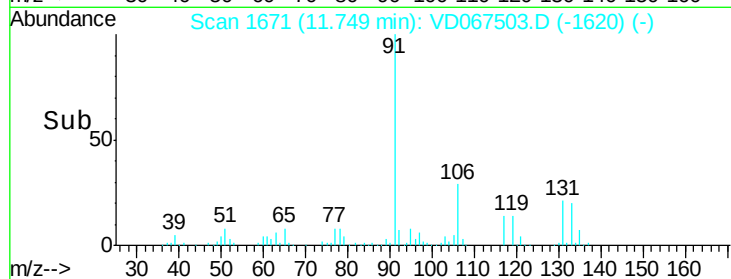
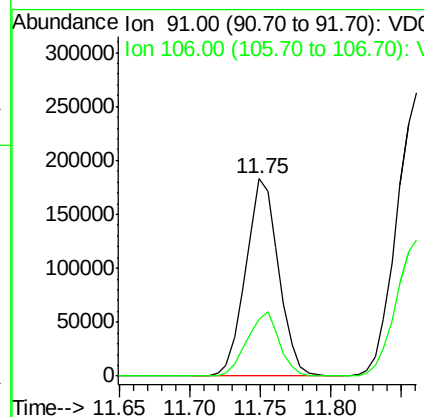
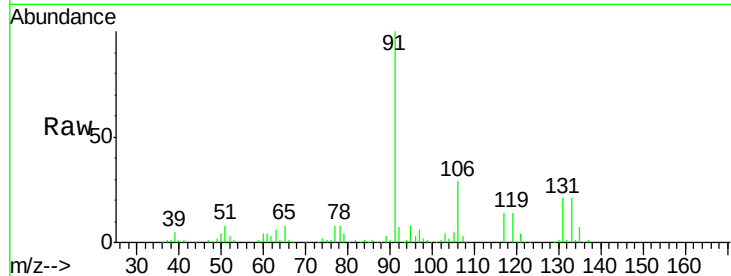
#67
Ethyl Benzene
Concen: 20.935 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.0	25.7	38.5

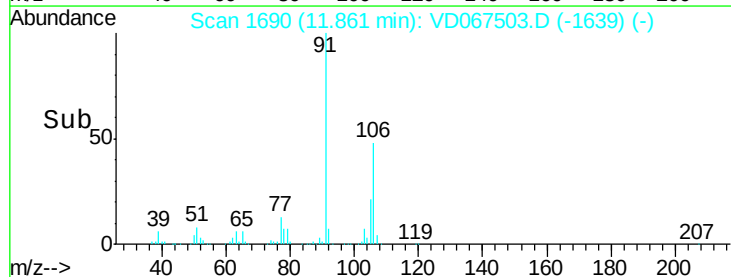
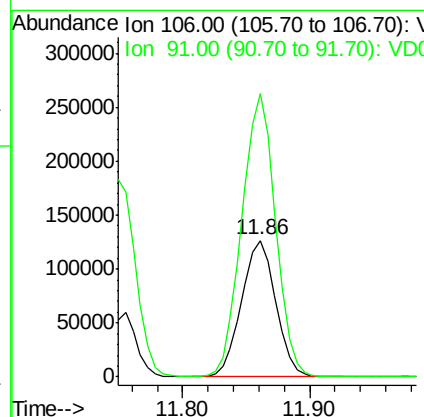
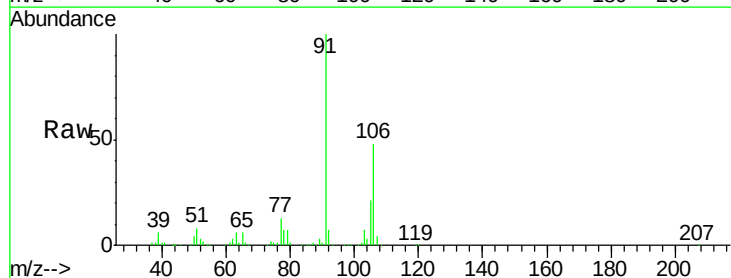
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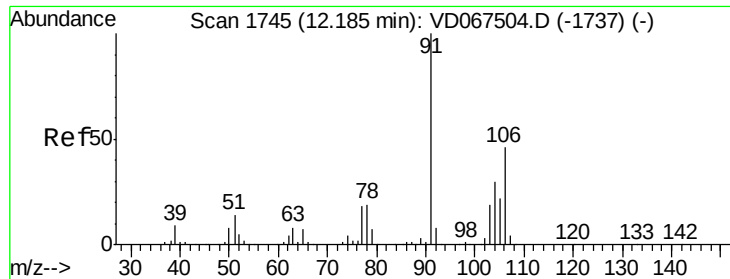
MMDadoda
11/4/2020 10:43:19 AM



#68
m/p-Xylenes
Concen: 42.539 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.8	162.6	244.0





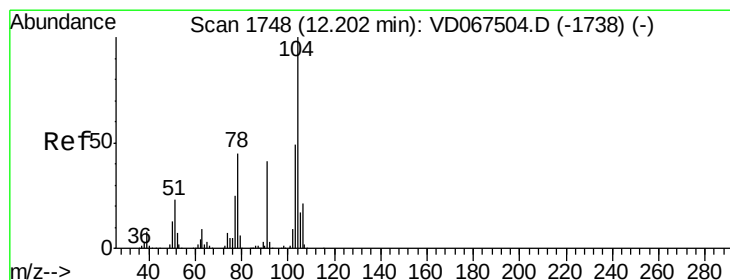
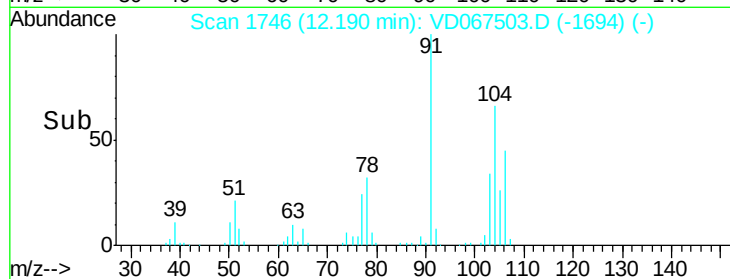
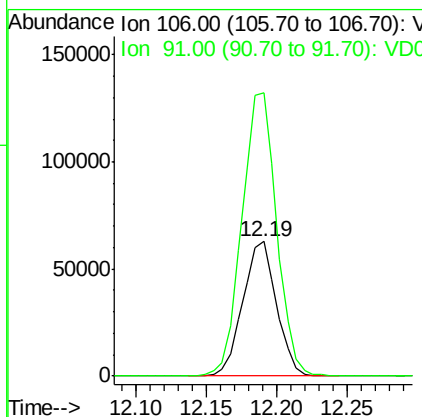
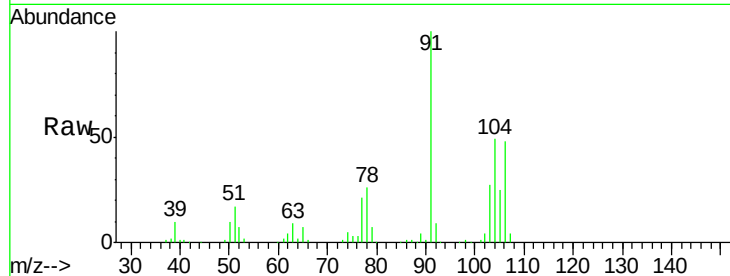
#69
o-Xylene
Concen: 21.146 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		105112		
91	216.1	107.1	321.1		

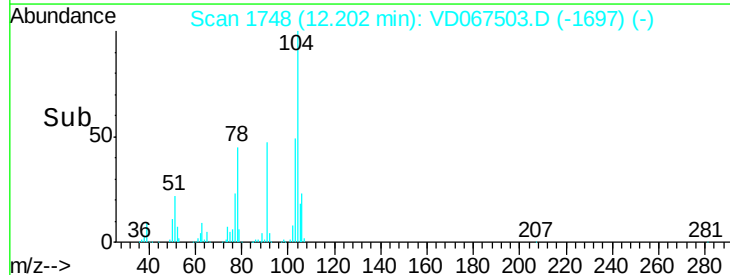
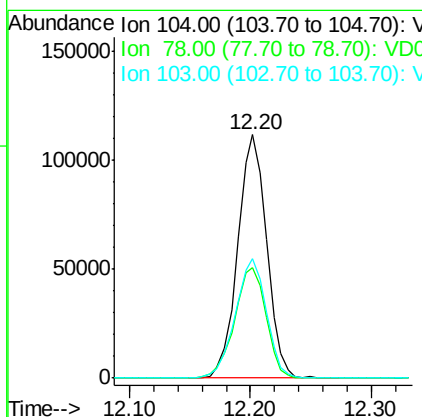
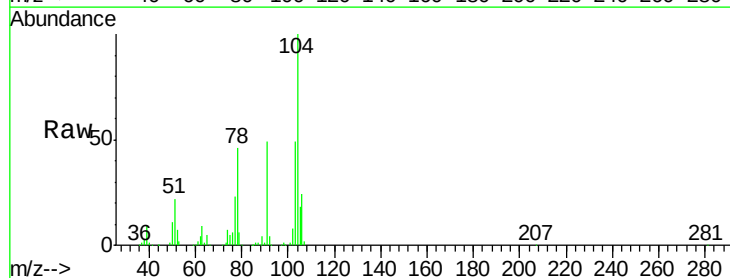
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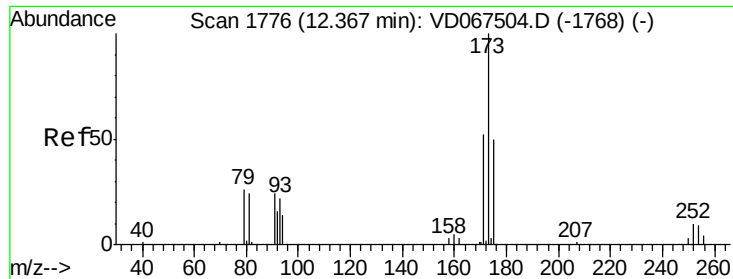
MMDadoda
11/4/2020 10:43:19 AM



#70
Styrene
Concen: 21.537 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		186545		
78	49.4	39.8	59.8		
103	52.6	43.9	65.9		





#71

Bromoform

Concen: 21.730 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 36529

Ion Ratio Lower Upper

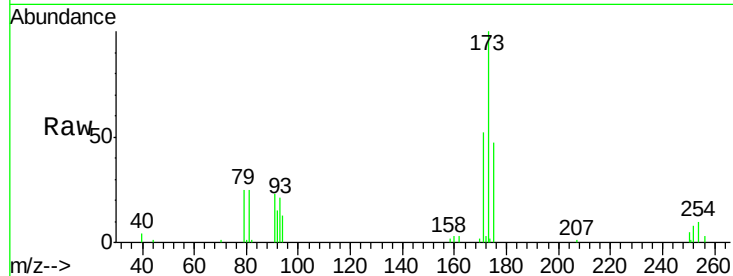
173 100

175 46.2 24.1 72.2

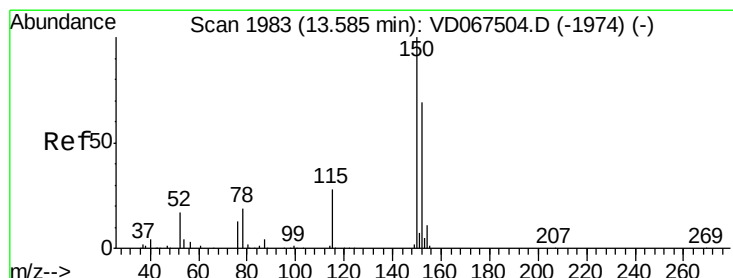
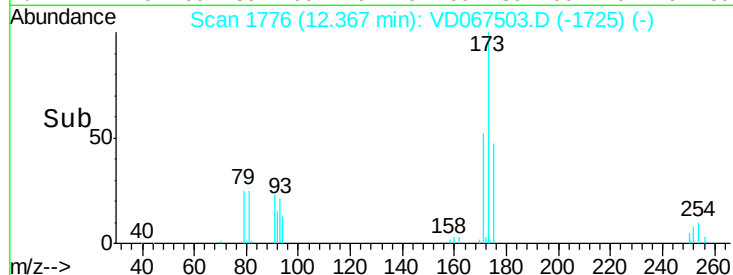
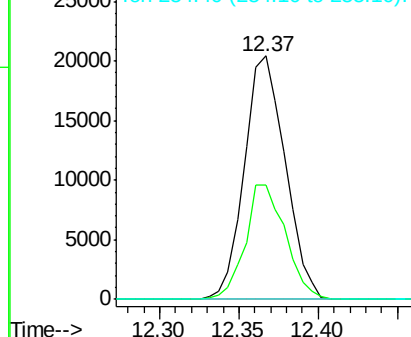
254 0.0 0.0 0.0

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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# 1983

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

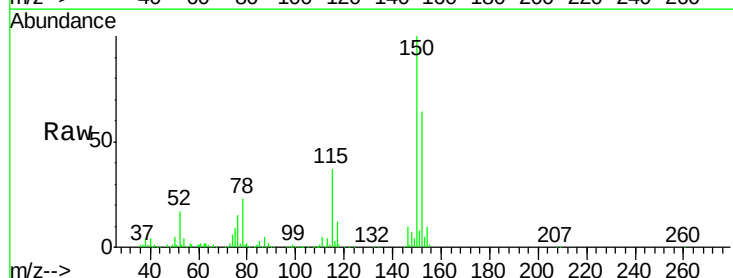
Tgt Ion:152 Resp: 221419

Ion Ratio Lower Upper

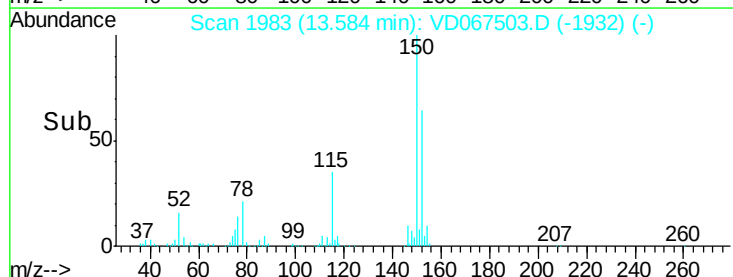
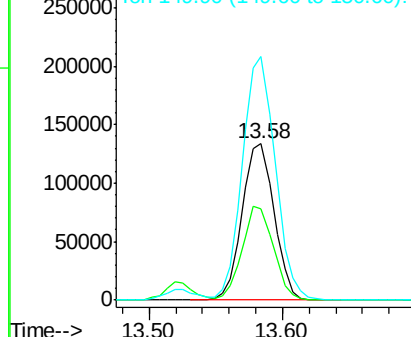
152 100

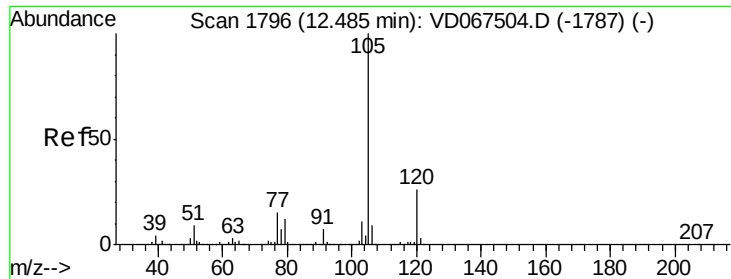
115 58.7 29.3 88.0

150 160.6 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





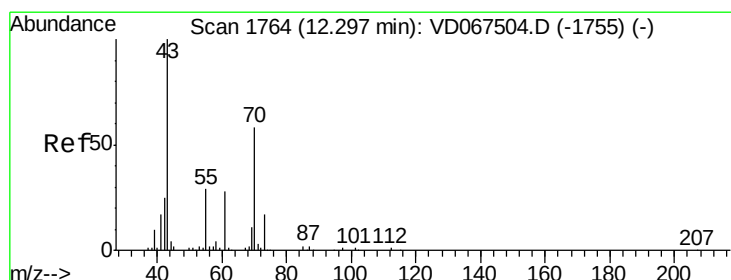
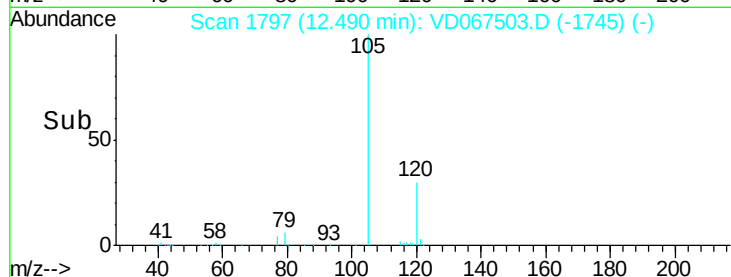
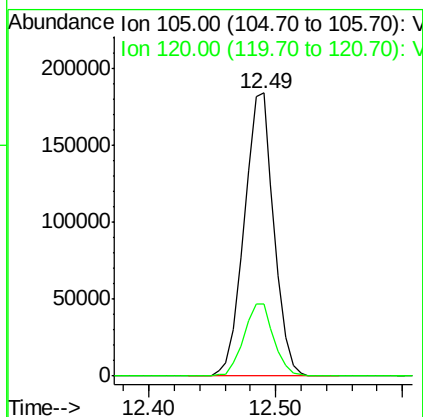
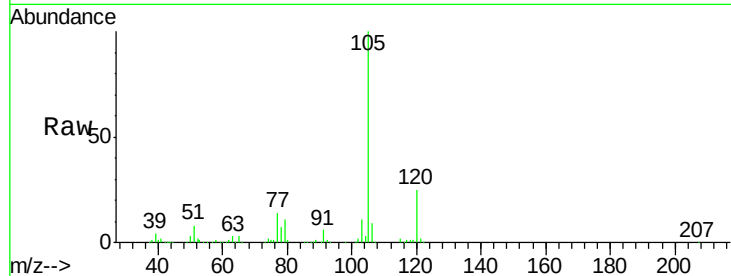
#73
Isopropylbenzene
Concen: 20.819 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.6

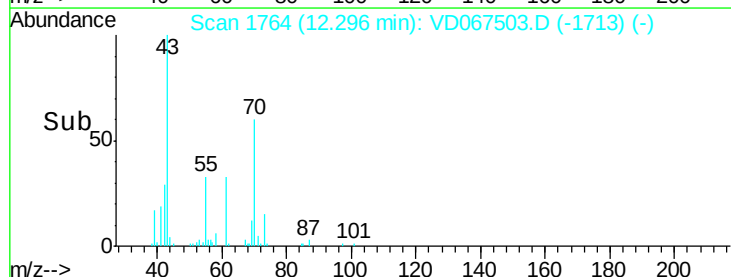
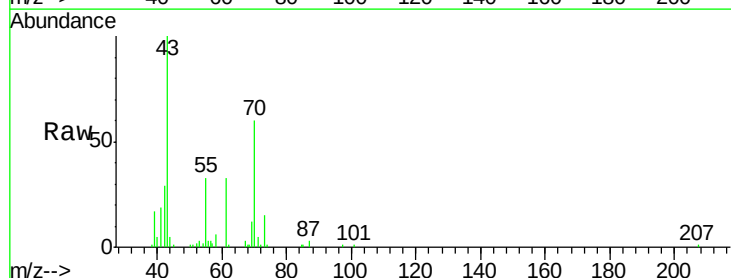
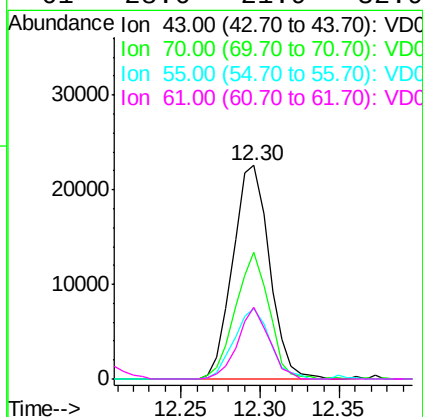
Manual Integrations
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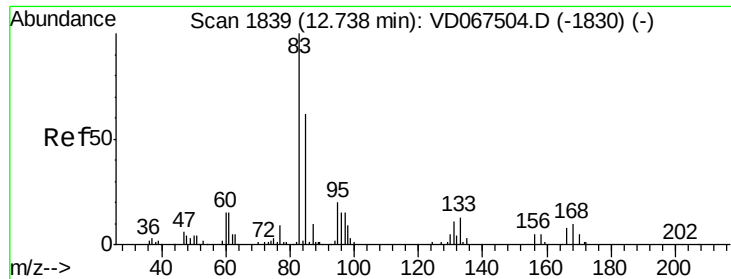
MMDadoda
11/4/2020 10:43:19 AM



#74
N-ethyl acetate
Concen: 19.255 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	54.4	42.6	64.0
55	32.3	23.7	35.5
61	28.6	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.537 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

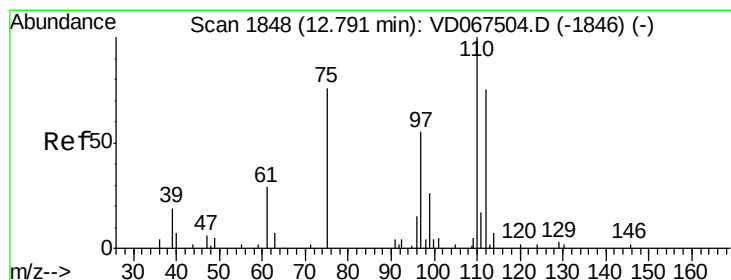
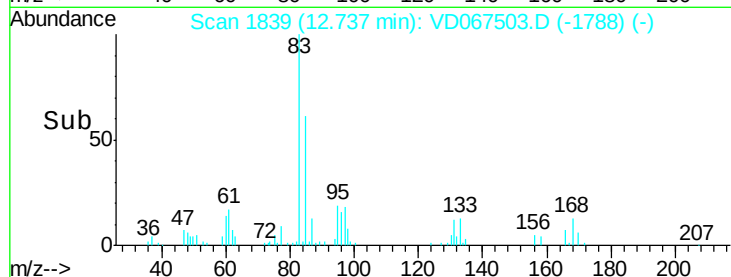
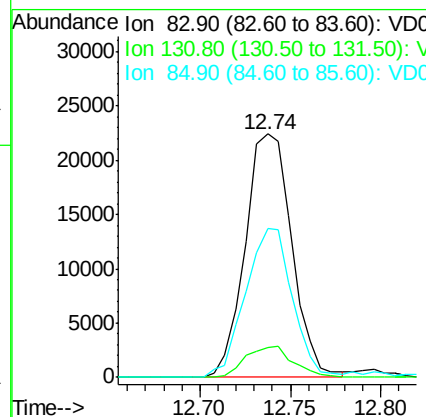
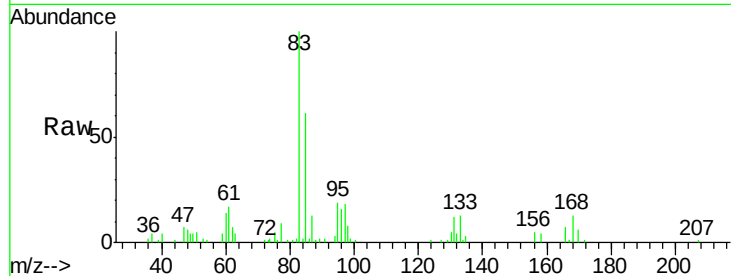
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	40074
Ion Ratio	Lower	Upper	
83	100		
131	13.1	7.1	21.3
85	61.6	32.9	98.7

Manual Integrations
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11/4/2020 10:43:19 AM



#76

1,2,3-Trichloropropane

Concen: 22.570 ug/l m

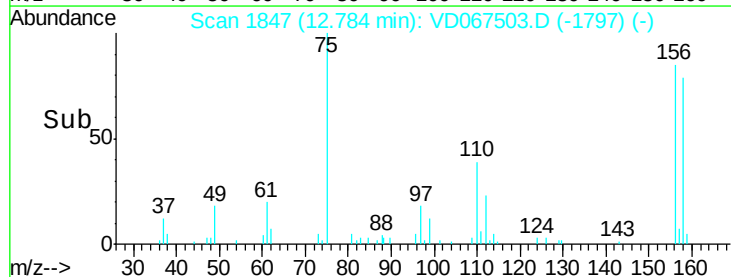
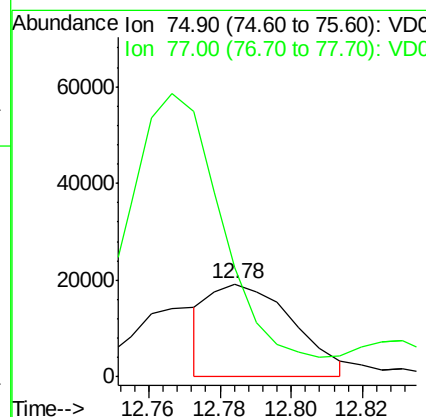
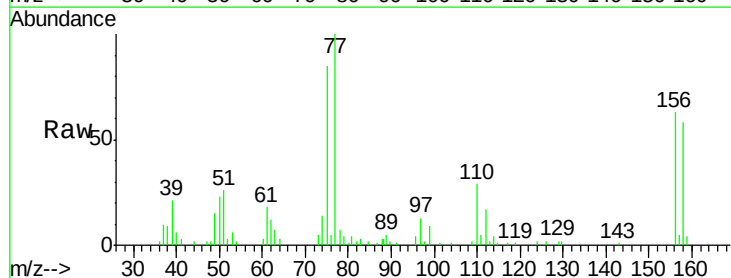
RT: 12.78 min Scan# 1847

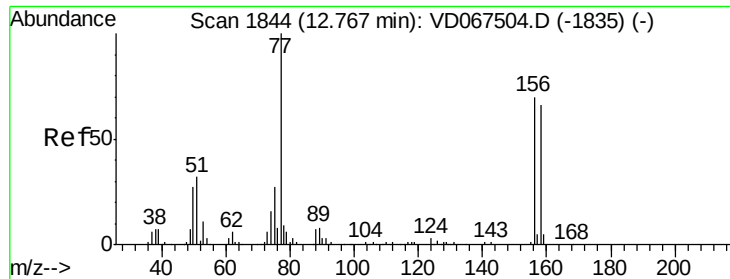
Delta R.T. -0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion:	75	Resp:	31515
Ion Ratio	Lower	Upper	
75	100		
77	356.2	0.0	0.0#





#77

Bromobenzene

Concen: 20.949 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

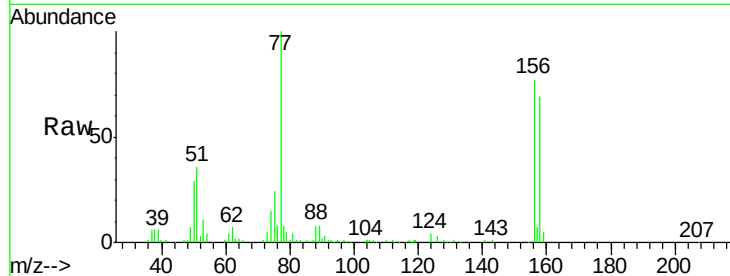
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.5	77.8	233.5
158	93.6	47.9	143.7

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11/4/2020 10:43:19 AM

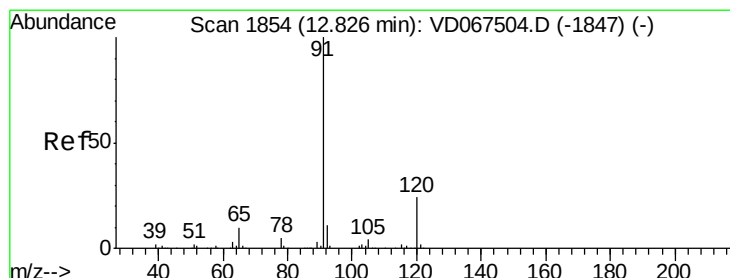
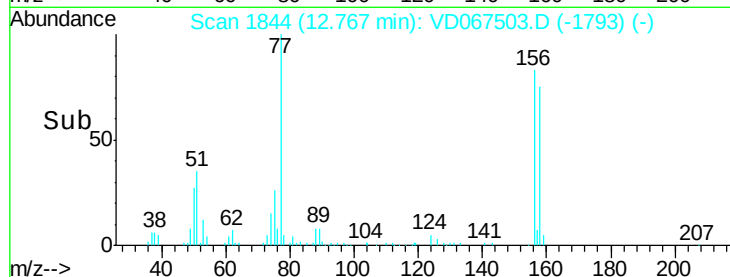
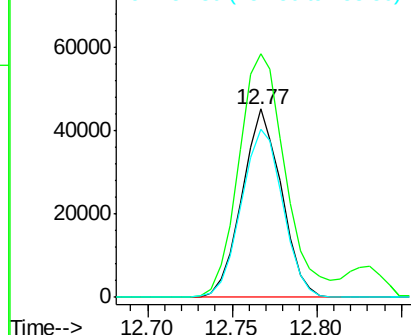


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.870 ug/l

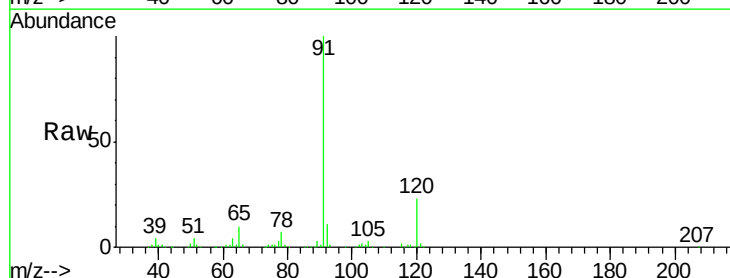
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

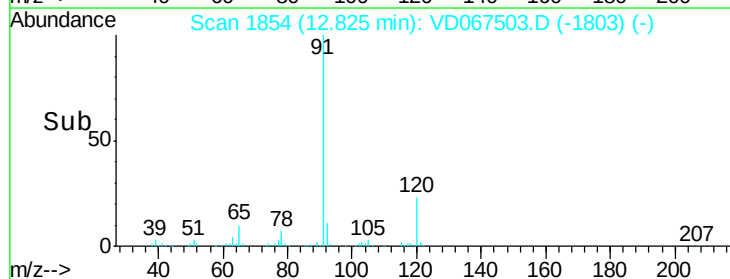
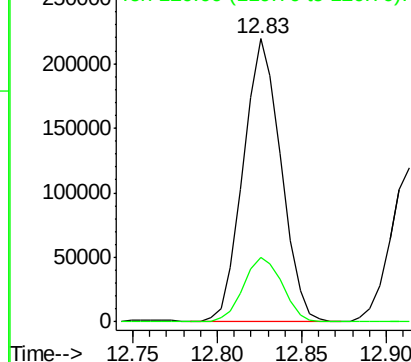
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.2	36.4

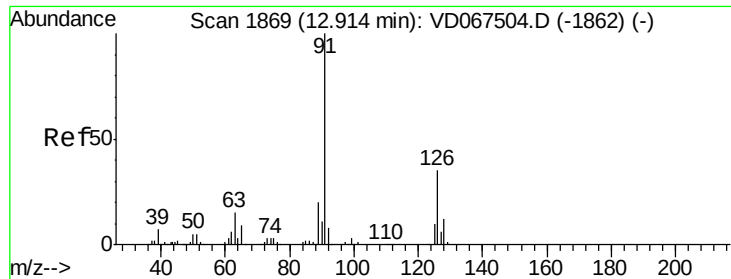


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





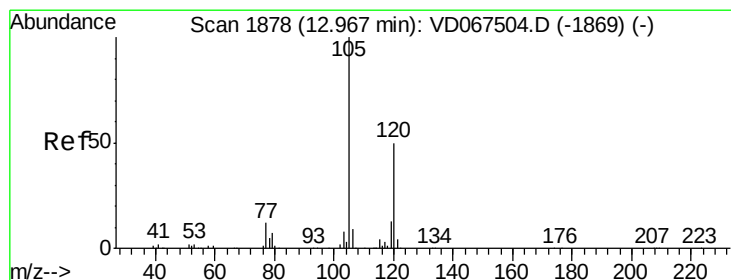
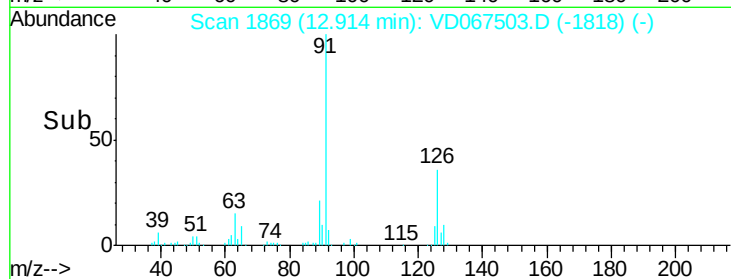
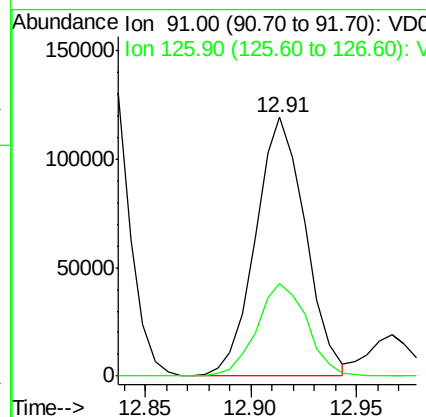
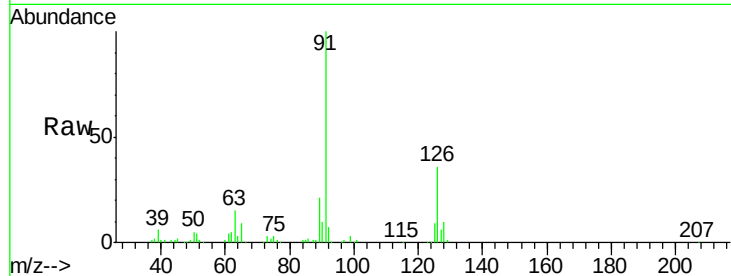
#79
2-Chlorotoluene
Concen: 21.038 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.4

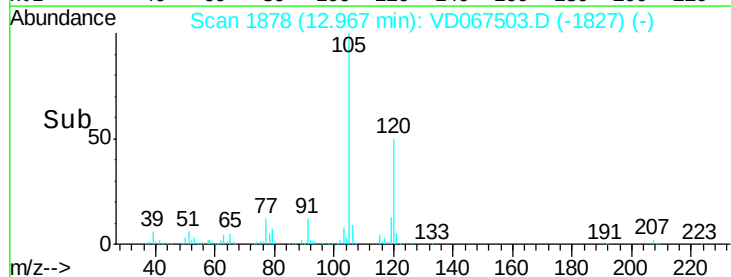
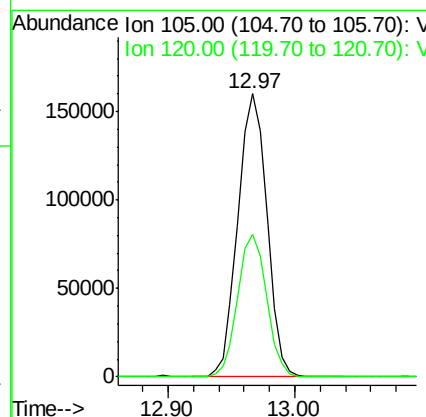
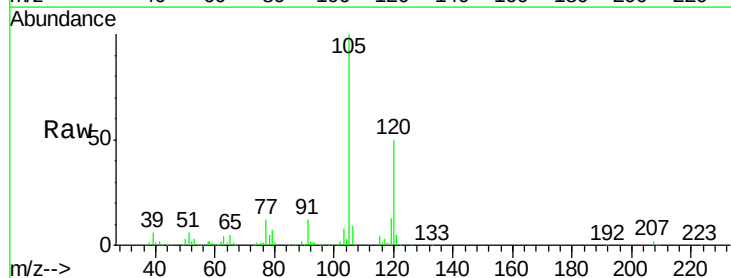
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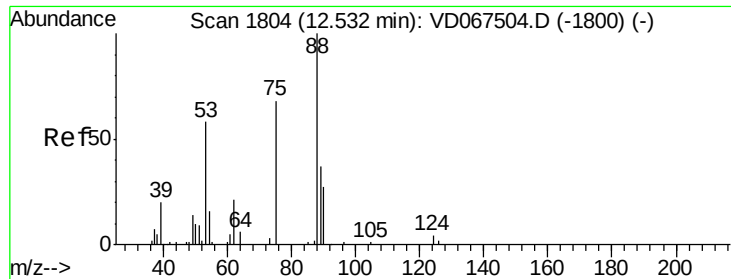
MMDadoda
11/4/2020 10:43:19 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.796 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.0	24.3	72.8





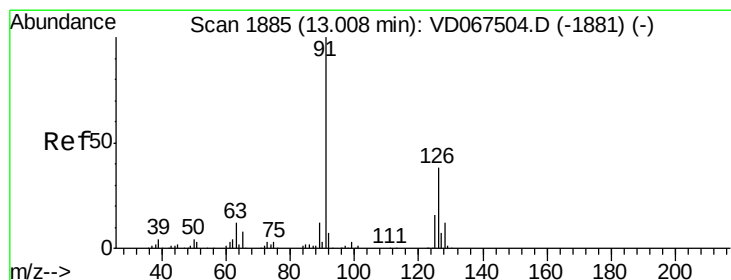
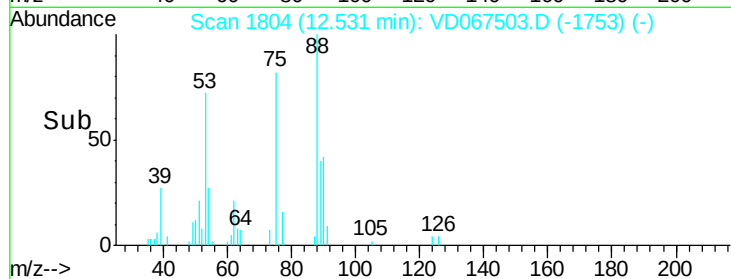
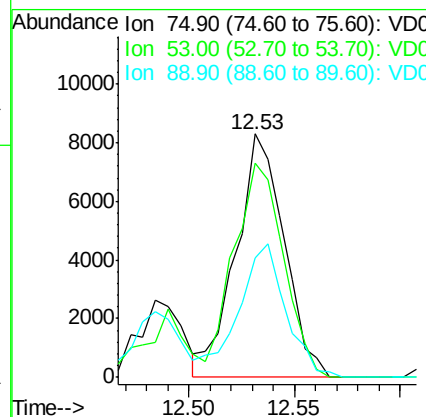
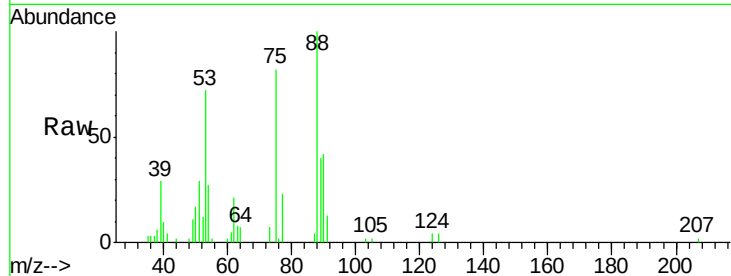
#81
trans-1,4-Dichloro-2-butene
Concen: 19.937 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.6	75.9	113.9
89	52.5	44.6	67.0

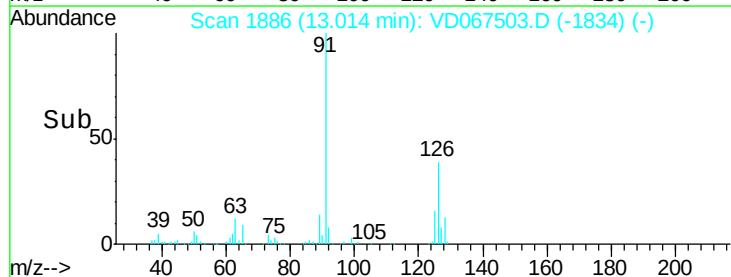
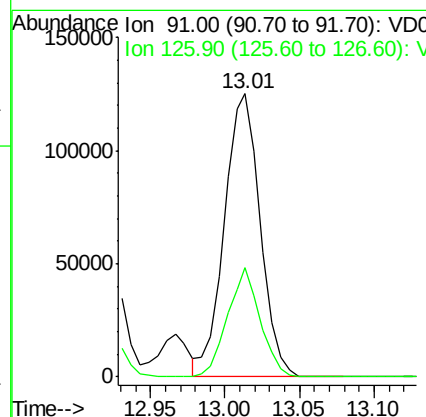
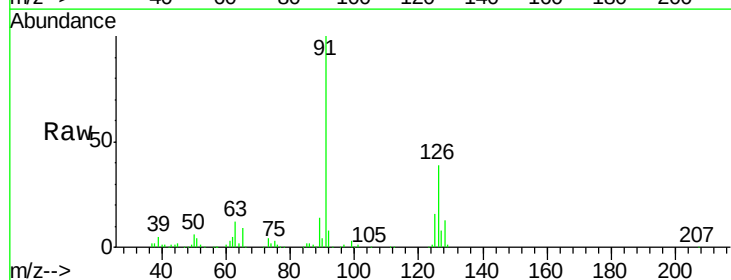
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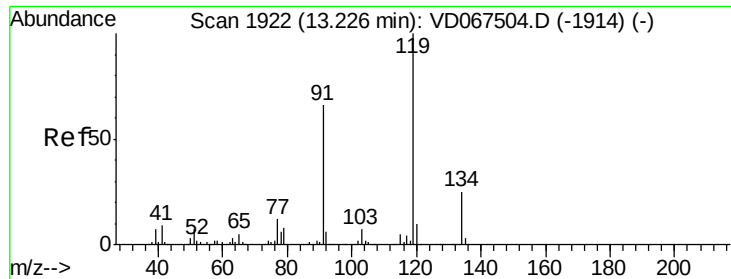
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.026 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.9	53.7





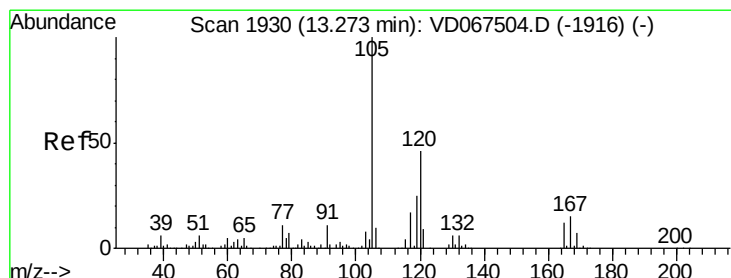
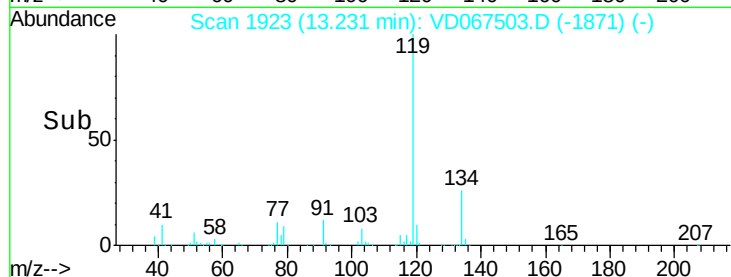
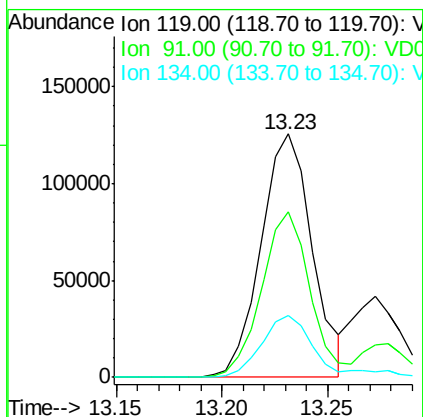
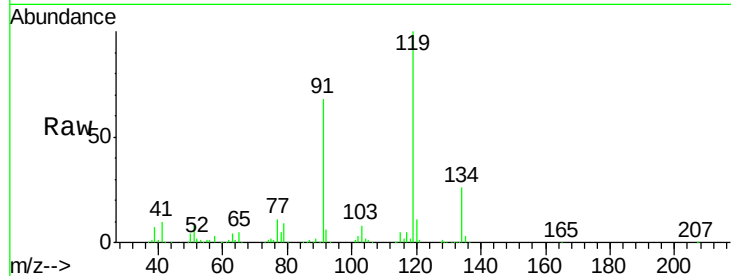
#83
tert-Butylbenzene
Concen: 20.453 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	211900		
91	64.8	32.7	98.1	
134	27.1	13.4	40.2	

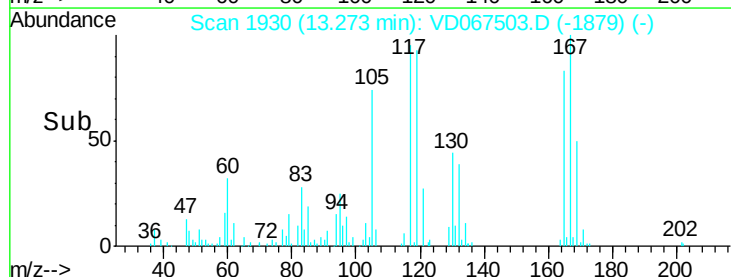
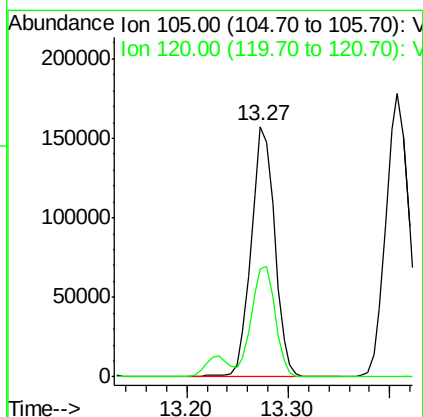
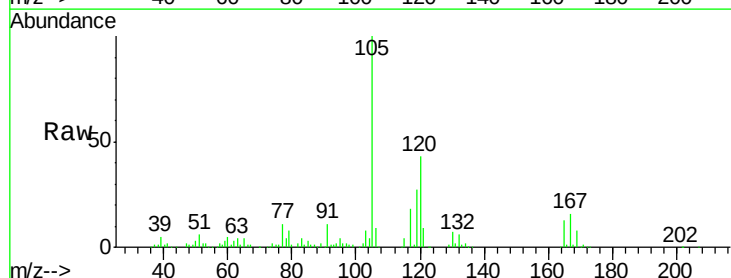
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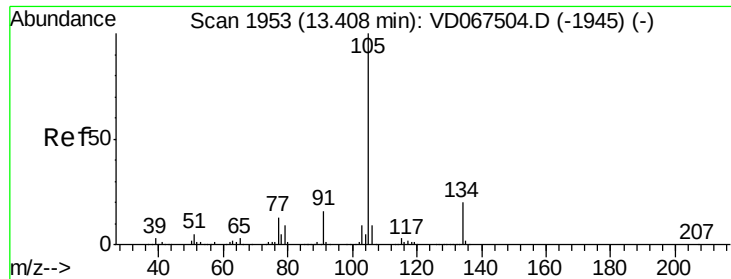
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#84
1,2,4-Trimethylbenzene
Concen: 20.984 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	255336		
120	44.0	22.1	66.1	





#85

sec-Butylbenzene

Concen: 20.125 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 281455

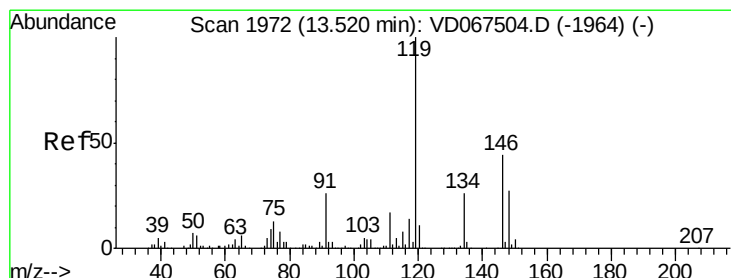
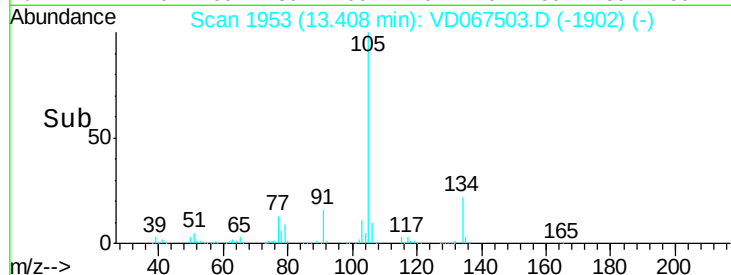
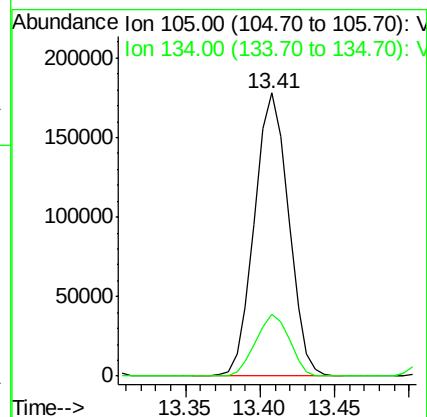
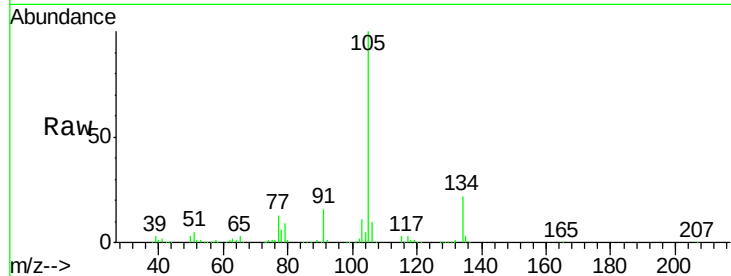
Ion Ratio Lower Upper

105 100

134 21.6 10.4 31.4

Manual Integrations
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11/4/2020 10:43:19 AM



#86

p-Isopropyltoluene

Concen: 20.635 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

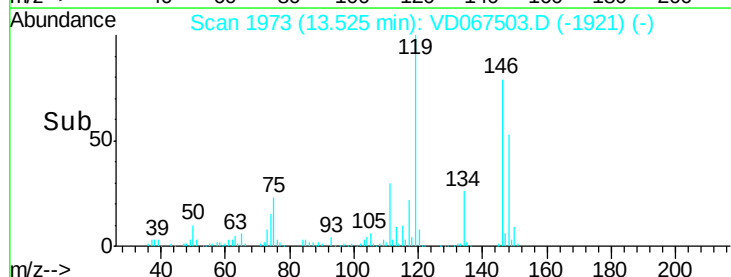
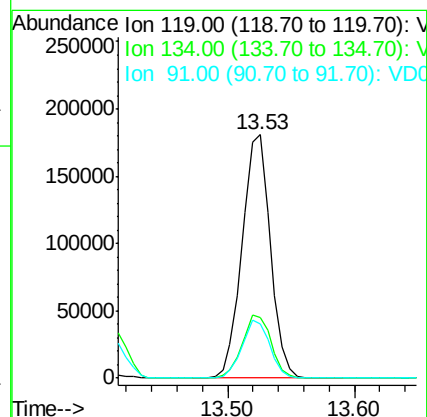
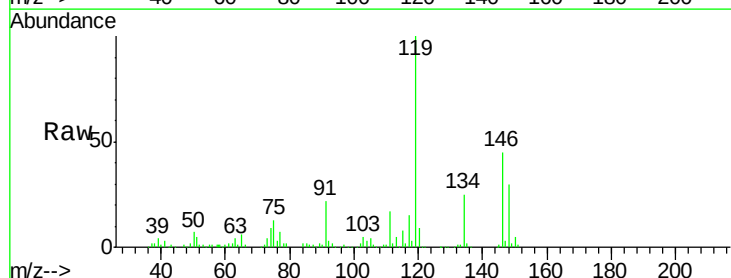
Tgt Ion:119 Resp: 278690

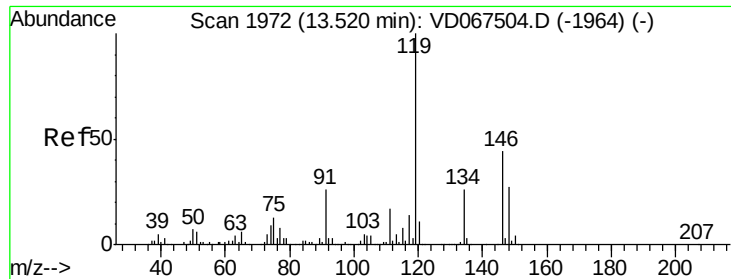
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.3

91 23.4 12.2 36.4





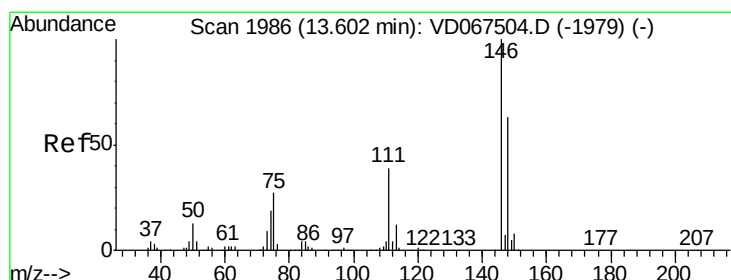
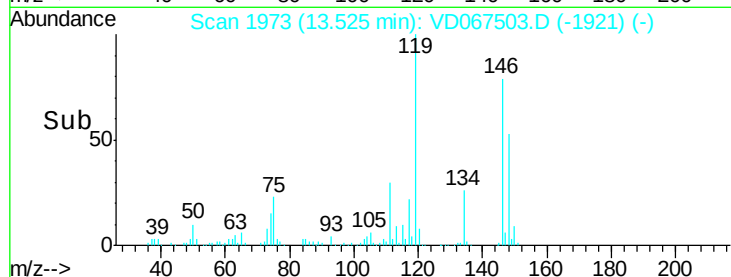
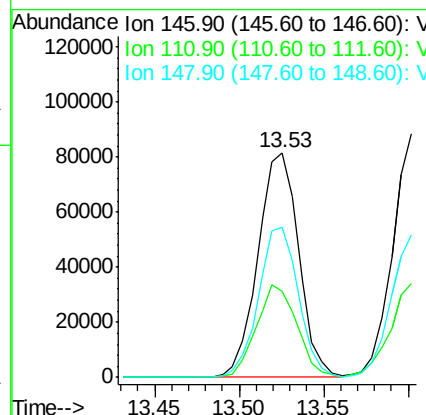
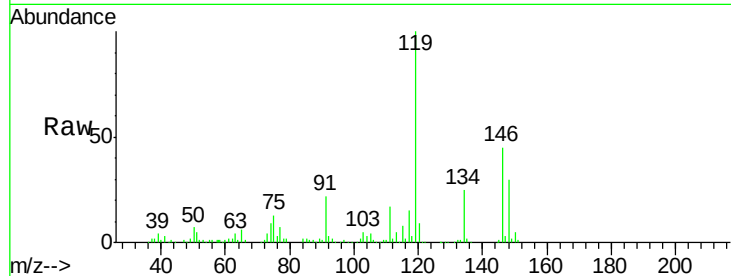
#87
 1,3-Dichlorobenzene
 Concen: 20.358 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	65.8	31.9	95.9

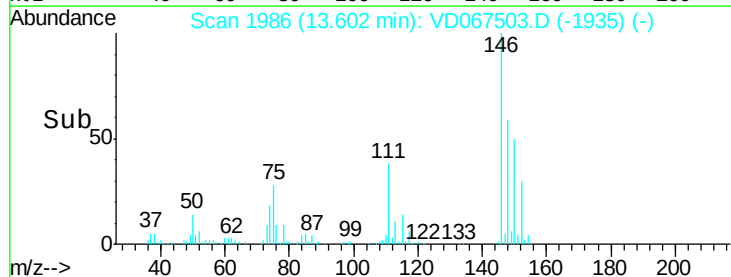
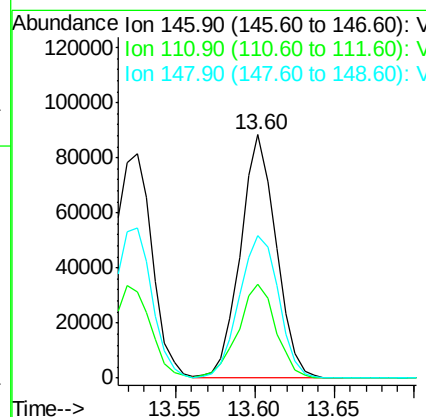
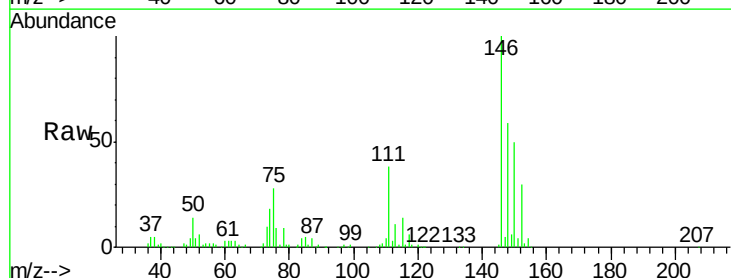
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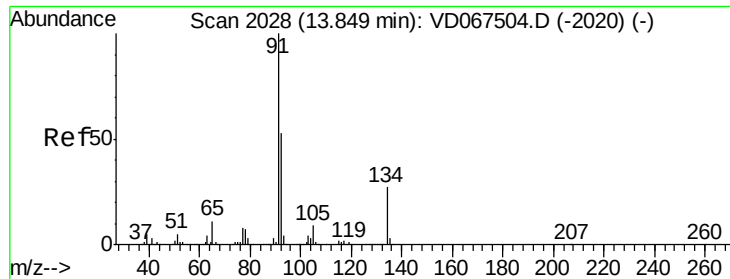
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#88
 1,4-Dichlorobenzene
 Concen: 20.398 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.7
148	64.7	31.8	95.4





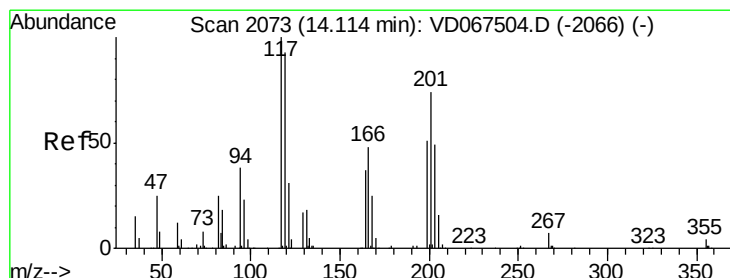
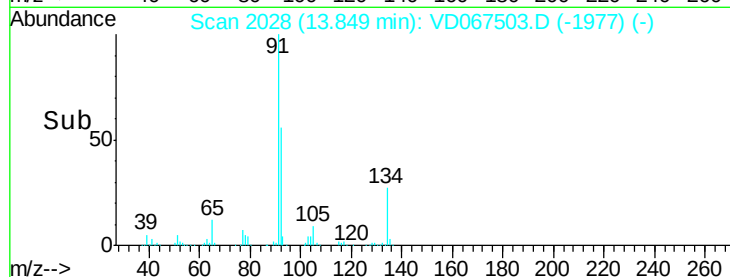
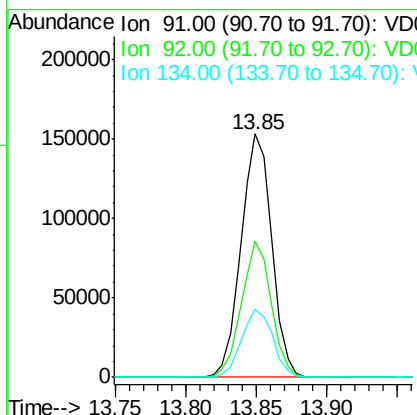
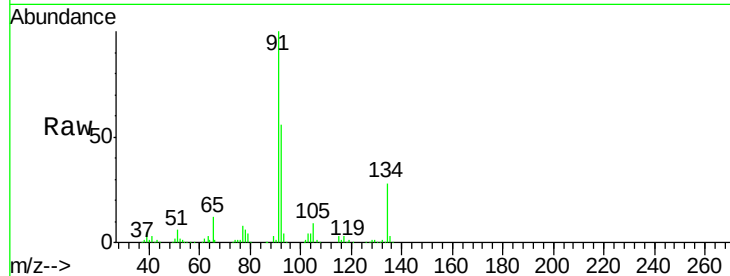
#89
n-Butylbenzene
Concen: 19.968 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.6	79.8
134	28.6	14.1	42.2

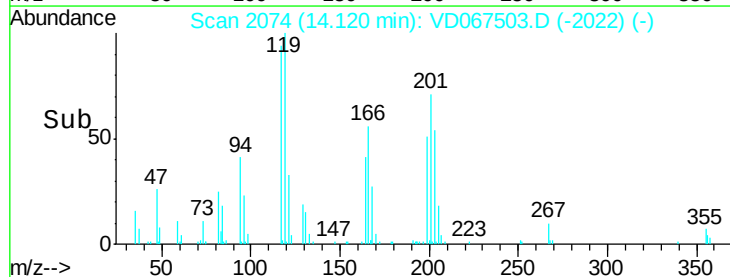
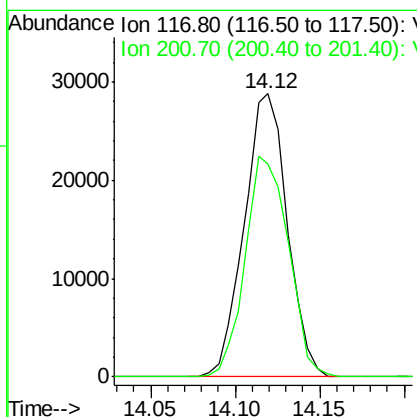
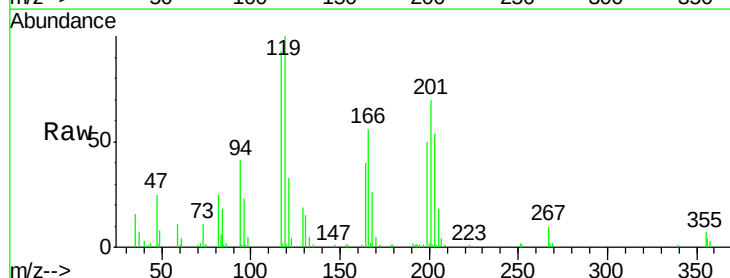
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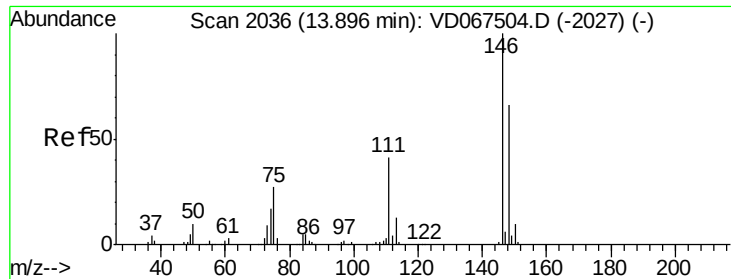
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11/4/2020 10:43:19 AM



#90
Hexachloroethane
Concen: 20.054 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067503.D
Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	40.7	122.1





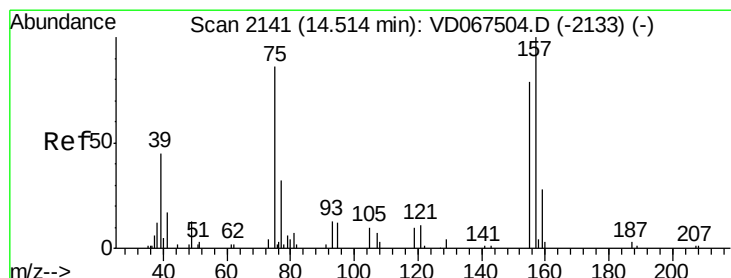
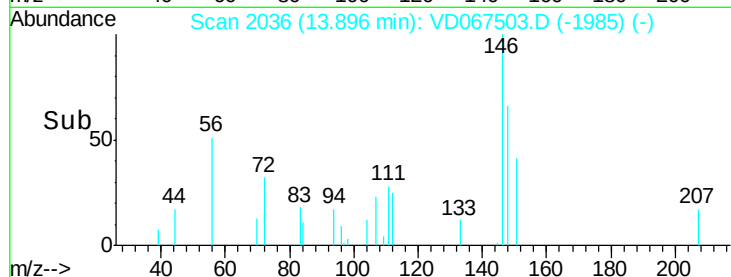
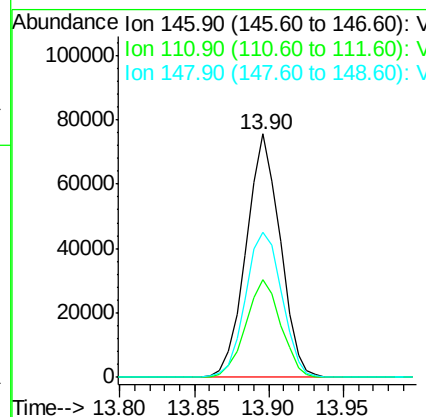
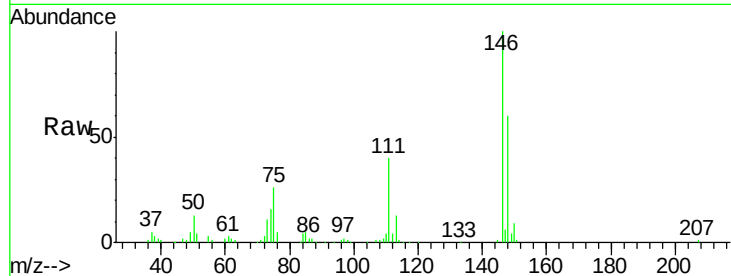
#91
 1,2-Dichlorobenzene
 Concen: 20.516 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	63.9	31.5	94.5

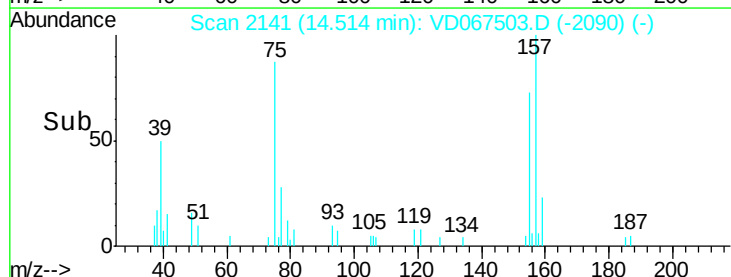
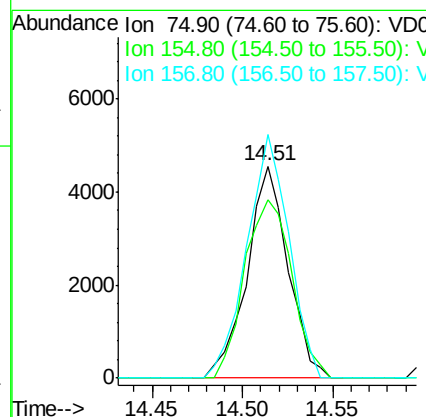
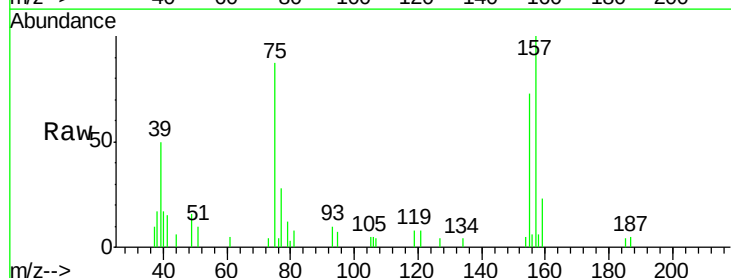
Manual Integrations
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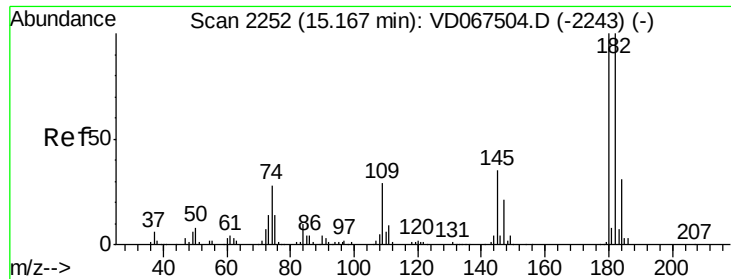
MMDadoda
 11/4/2020 10:43:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.640 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	46.6	139.8
157	117.9	58.1	174.2





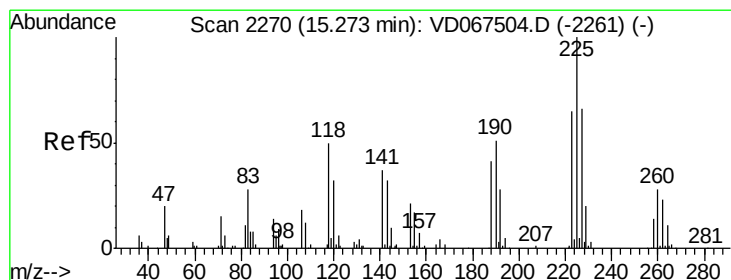
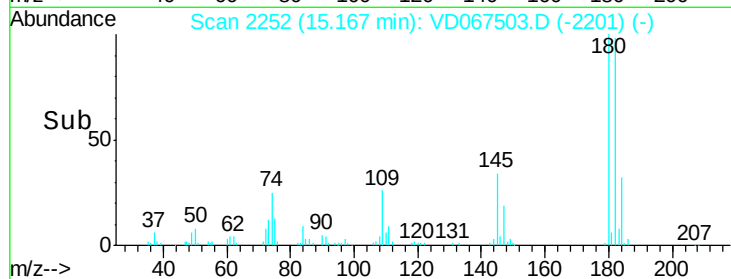
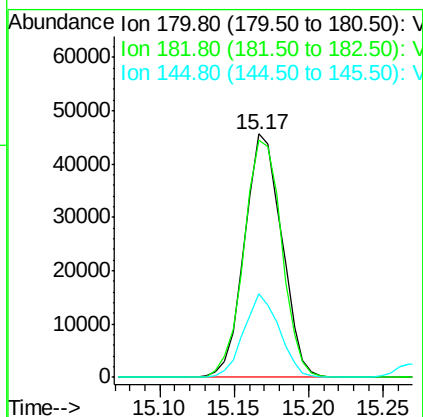
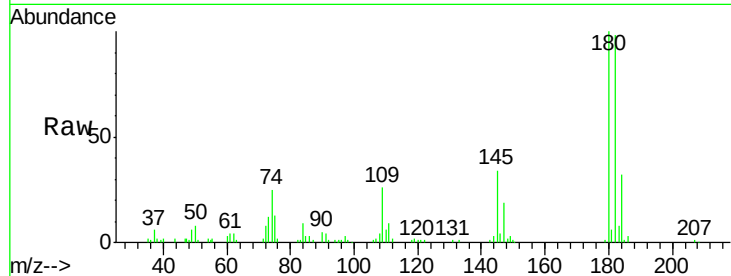
#93
 1,2,4-Trichlorobenzene
 Concen: 20.084 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79111		
182	98.6	47.4	142.3	
145	32.6	16.2	48.6	

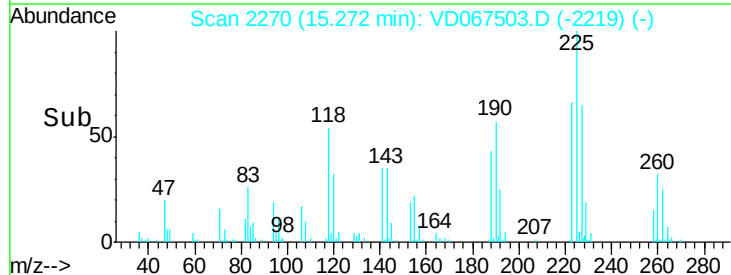
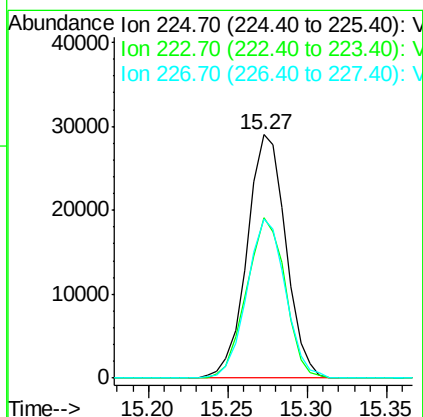
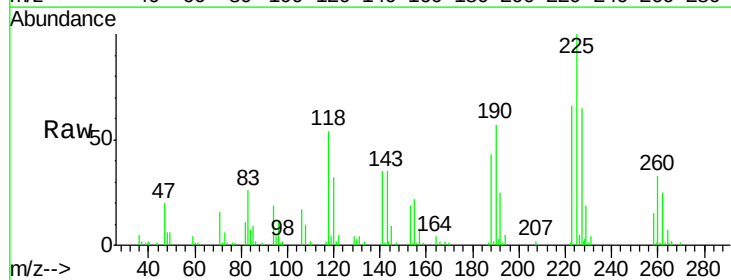
Manual Integrations
 APPROVED

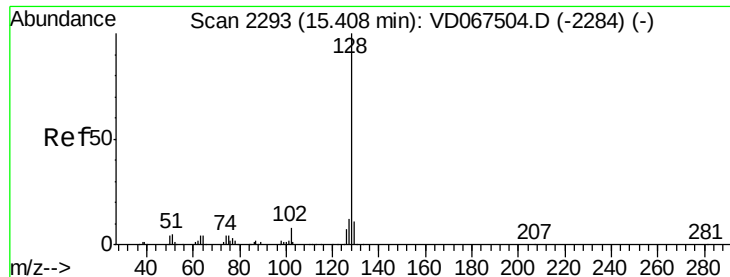
MMDadoda
 11/4/2020 10:43:19 AM



#94
 Hexachlorobutadiene
 Concen: 18.709 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067503.D
 Acq: 03 Nov 2020 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49323		
223	65.7	31.9	95.5	
227	65.3	32.5	97.4	





#95

Naphthalene

Concen: 19.502 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Instrument :

MSVOA_D

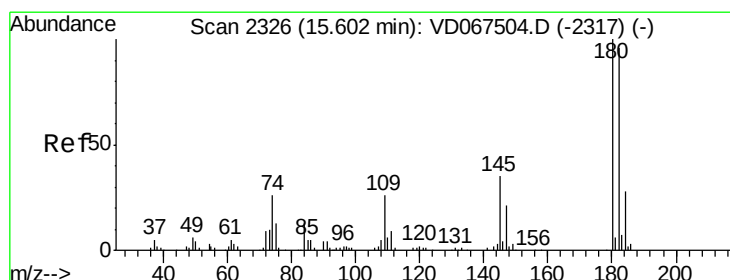
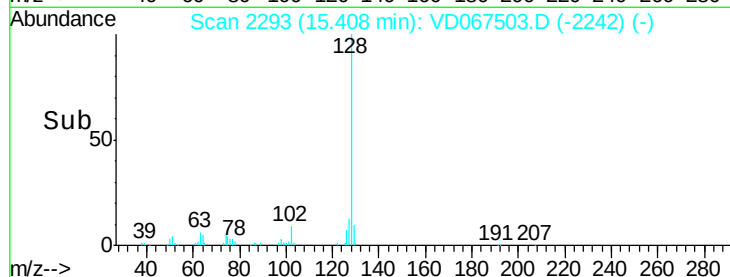
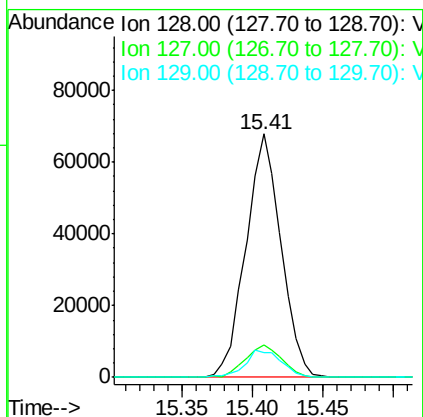
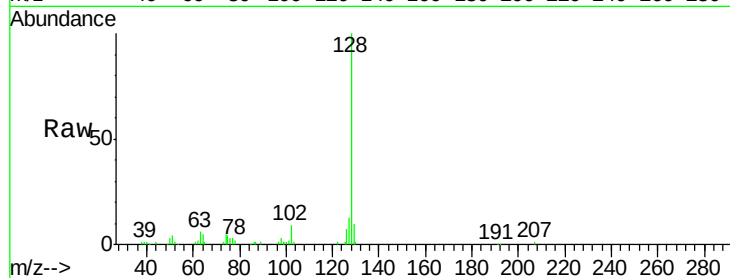
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	118553
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.2	15.4
129	11.4	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.376 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067503.D

Acq: 03 Nov 2020 11:10

Tgt Ion:	180	Resp:	68733
Ion Ratio	Lower	Upper	
180	100		
182	92.3	46.9	140.8
145	33.7	17.1	51.2

