

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067501.D
 Acq On : 03 Nov 2020 10:16
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:06 AM

Quant Time: Nov 04 00:51:58 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	307621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214434	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	15525	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	
35) Dibromofluoromethane	7.92	113	15734	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	
50) Toluene-d8	10.34	98	53090	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
62) 4-Bromofluorobenzene	12.64	95	18319	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	15778	5.609	ug/l	100
3) Chloromethane	2.21	50	10386	5.422	ug/l	98
4) Vinyl Chloride	2.36	62	12022	5.629	ug/l	96
5) Bromomethane	2.78	94	10156	5.867	ug/l	88
6) Chloroethane	2.93	64	7099	5.391	ug/l	90
7) Trichlorofluoromethane	3.28	101	30475	5.511	ug/l	97
8) Diethyl Ether	3.71	74	5943	5.334	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	14882	5.331	ug/l #	70
10) Methyl Iodide	4.31	142	12181	4.072	ug/l	91
11) Tert butyl alcohol	5.23	59	4307m	31.624	ug/l	
12) 1,1-Dichloroethene	4.07	96	13151	5.122	ug/l	92
13) Acrolein	3.92	56	1962m	20.076	ug/l	
14) Allyl chloride	4.72	41	13687	4.981	ug/l	98
15) Acrylonitrile	5.42	53	10508	25.511	ug/l	97
16) Acetone	4.16	43	9585	23.813	ug/l	96
17) Carbon Disulfide	4.41	76	41634	5.292	ug/l	98
18) Methyl Acetate	4.71	43	5091	6.121	ug/l #	73
19) Methyl tert-butyl Ether	5.48	73	24039	4.747	ug/l	92
20) Methylene Chloride	4.96	84	16555	5.822	ug/l #	95
21) trans-1,2-Dichloroethene	5.48	96	16231	5.427	ug/l	91
22) Diisopropyl ether	6.36	45	25836	4.825	ug/l #	96
23) Vinyl Acetate	6.31	43	56997m	20.295	ug/l	
24) 1,1-Dichloroethane	6.27	63	22707	5.183	ug/l	95
25) 2-Butanone	7.22	43	10665	24.797	ug/l	98
26) 2,2-Dichloropropane	7.21	77	24662	5.334	ug/l	95
27) cis-1,2-Dichloroethene	7.22	96	15980	5.148	ug/l	98
28) Bromochloromethane	7.55	49	7626	4.894	ug/l	97
29) Tetrahydrofuran	7.56	42	5999	23.285	ug/l	91
30) Chloroform	7.71	83	27609	5.283	ug/l	96
31) Cyclohexane	7.99	56	23859	6.116	ug/l #	82
32) 1,1,1-Trichloroethane	7.91	97	29040	5.385	ug/l	97
36) 1,1-Dichloropropene	8.12	75	20934	5.151	ug/l	97
37) Ethyl Acetate	7.30	43	4887	4.632	ug/l #	93
38) Carbon Tetrachloride	8.10	117	26942	5.103	ug/l #	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067501.D
 Acq On : 03 Nov 2020 10:16
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:06 AM

Quant Time: Nov 04 00:51:58 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)
39) Methylcyclohexane	9.36	83	22450	4.694	ug/l	93
40) Benzene	8.36	78	56340	5.118	ug/l	97
41) Methacrylonitrile	7.54	41	3229m	6.084	ug/l	
42) 1,2-Dichloroethane	8.43	62	17652	5.190	ug/l	97
43) Isopropyl Acetate	8.46	43	10482	5.024	ug/l	91
44) Trichloroethene	9.11	130	19929	5.506	ug/l	82
45) 1,2-Dichloropropane	9.40	63	12675	5.326	ug/l	89
46) Dibromomethane	9.48	93	8021	5.300	ug/l	93
47) Bromodichloromethane	9.67	83	21281	5.174	ug/l	86
48) Methyl methacrylate	9.46	41	5509	5.113	ug/l	91
49) 1,4-Dioxane	9.47	88	1401	91.196	ug/l #	79
51) 4-Methyl-2-Pentanone	10.23	43	23934	23.984	ug/l	97
52) Toluene	10.41	92	35889	4.867	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	16731	4.749	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	20838	4.979	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	9993	4.991	ug/l #	91
56) Ethyl methacrylate	10.67	69	9165	4.433	ug/l	98
57) 1,3-Dichloropropane	10.95	76	16152	5.013	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.95	63	24629	25.543	ug/l	98
59) 2-Hexanone	10.99	43	15126	21.678	ug/l	96
60) Dibromochloromethane	11.14	129	14381	4.855	ug/l	95
61) 1,2-Dibromoethane	11.25	107	10387	5.169	ug/l	98
64) Tetrachloroethene	10.88	164	16919	5.442	ug/l	84
65) Chlorobenzene	11.68	112	41847	5.175	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.75	131	16777	5.264	ug/l	98
67) Ethyl Benzene	11.75	91	66731	4.823	ug/l	96
68) m/p-Xylenes	11.86	106	52487	9.750	ug/l	99
69) o-Xylene	12.18	106	22542	4.690	ug/l	95
70) Styrene	12.20	104	39201	4.681	ug/l	99
71) Bromoform	12.36	173	7879	4.848	ug/l #	89
73) Isopropylbenzene	12.48	105	63135	4.556	ug/l	97
74) N-amyl acetate	12.29	43	8528	4.677	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.73	83	9869	5.222	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	5093m	3.766	ug/l	
77) Bromobenzene	12.77	156	16885	4.961	ug/l	98
78) n-propylbenzene	12.83	91	73916	4.663	ug/l	96
79) 2-Chlorotoluene	12.91	91	42532	4.723	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	53581	4.526	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	3141	4.930	ug/l	96
82) 4-Chlorotoluene	13.01	91	46398	4.804	ug/l	97
83) tert-Butylbenzene	13.23	119	45362	4.521	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	53720	4.559	ug/l	100
85) sec-Butylbenzene	13.41	105	62735	4.632	ug/l	99
86) p-Isopropyltoluene	13.52	119	60372	4.616	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	33335	5.133	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	35357	5.377	ug/l	94
89) n-Butylbenzene	13.85	91	52783	4.672	ug/l	96
90) Hexachloroethane	14.12	117	12067	4.899	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	29377	5.227	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1438	4.298	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
Data File : VD067501.D
Acq On : 03 Nov 2020 10:16
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

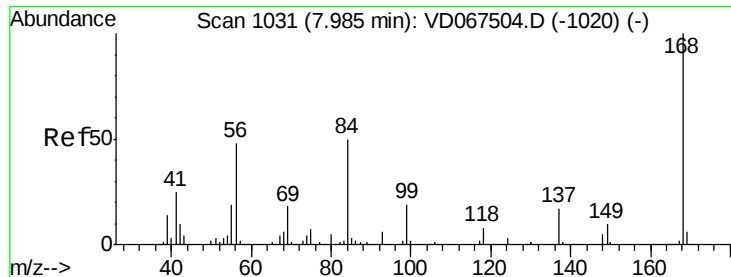
Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM

Quant Time: Nov 04 00:51:58 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)
93) 1,2,4-Trichlorobenzene	15.17	180	18304	4.798	ug/l	98
94) Hexachlorobutadiene	15.28	225	14552	5.700	ug/l	88
95) Naphthalene	15.41	128	24803	4.213	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.60	180	15855	4.853	ug/l	92

(#) = 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: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 307621

Ion Ratio Lower Upper

168 100

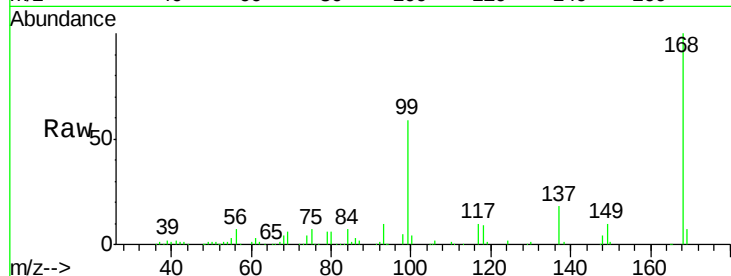
99 58.8 45.0 67.6

Manual Integrations

APPROVED

MMDadoda

11/4/2020 10:43:06 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

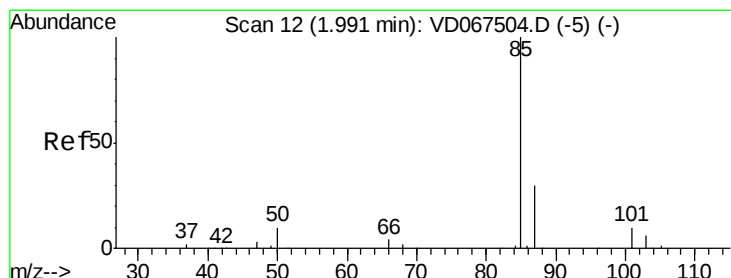
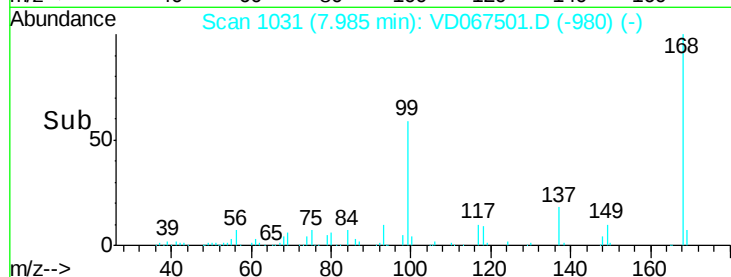
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.609 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067501.D

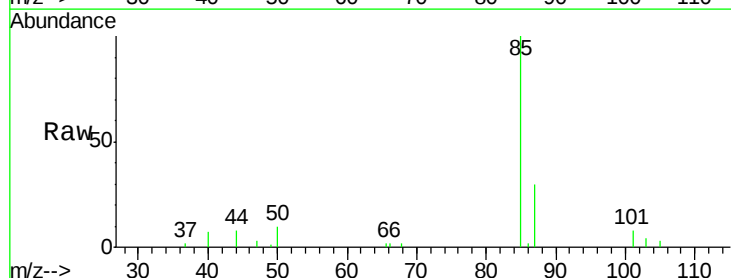
Acq: 03 Nov 2020 10:16

Tgt Ion: 85 Resp: 15778

Ion Ratio Lower Upper

85 100

87 30.3 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

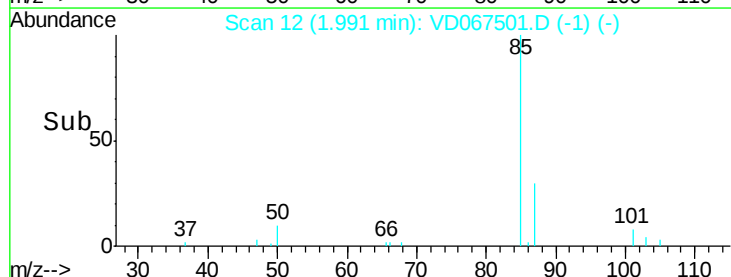
15000

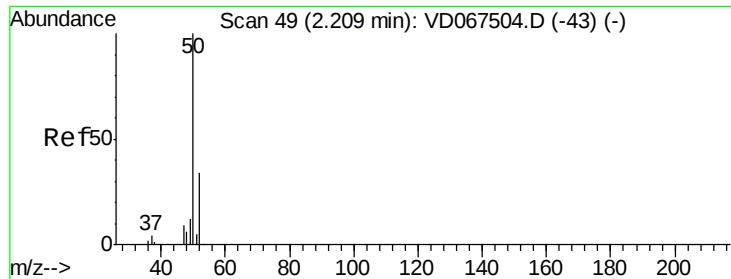
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.422 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 10386

Ion Ratio Lower Upper

50 100

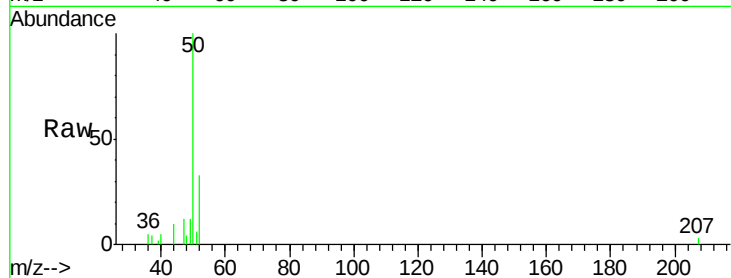
52 32.9 27.3 40.9

Manual Integrations

APPROVED

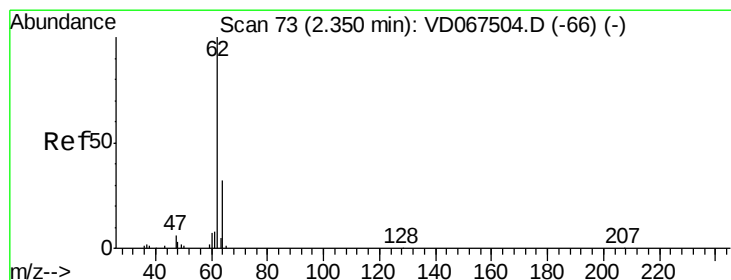
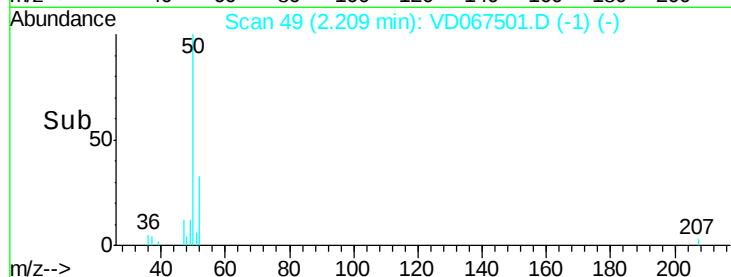
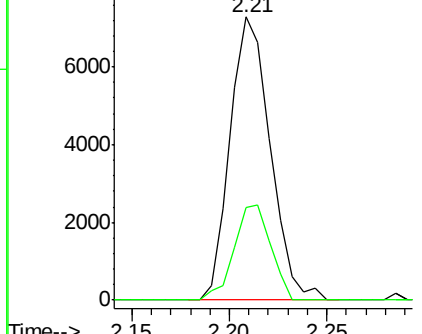
MMDadoda

11/4/2020 10:43:06 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.629 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067501.D

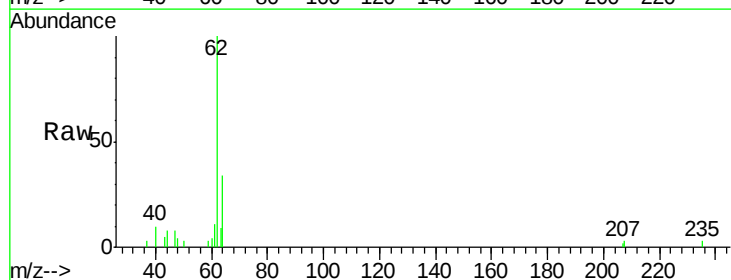
Acq: 03 Nov 2020 10:16

Tgt Ion: 62 Resp: 12022

Ion Ratio Lower Upper

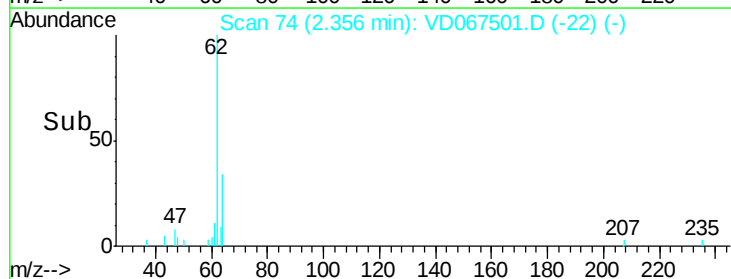
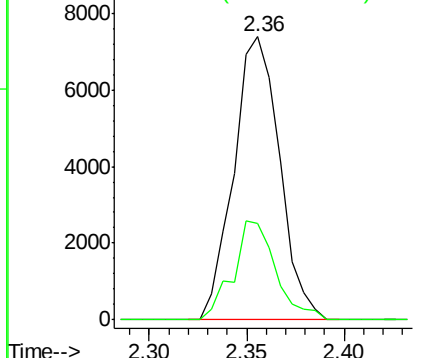
62 100

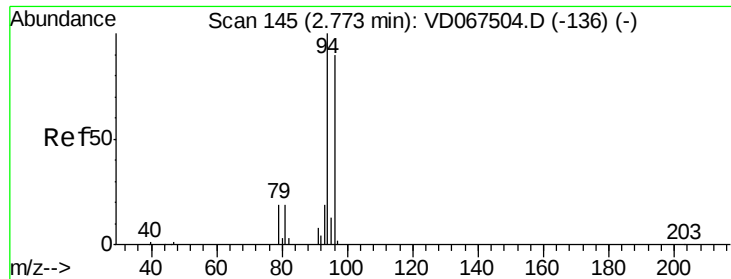
64 34.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.867 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10156

Ion Ratio Lower Upper

94 100

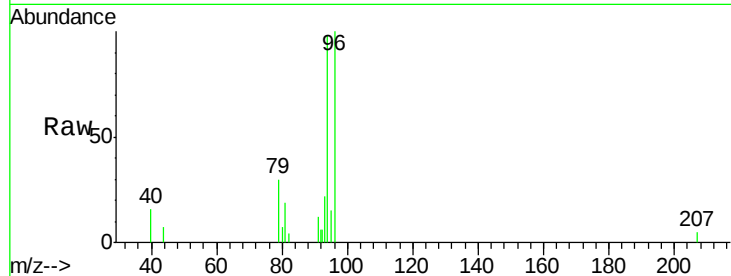
96 101.5 72.2 108.2

Manual Integrations

APPROVED

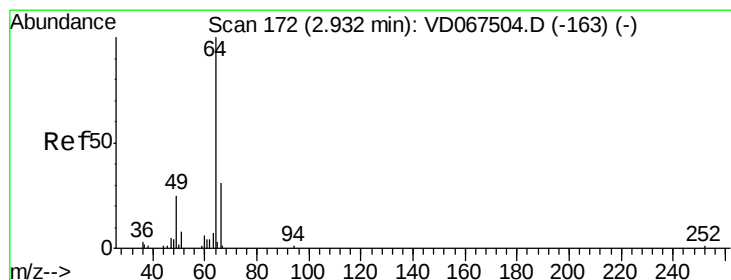
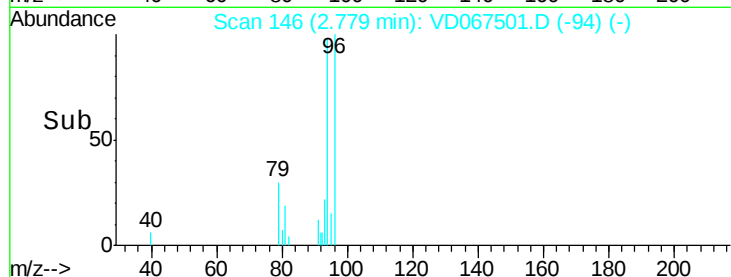
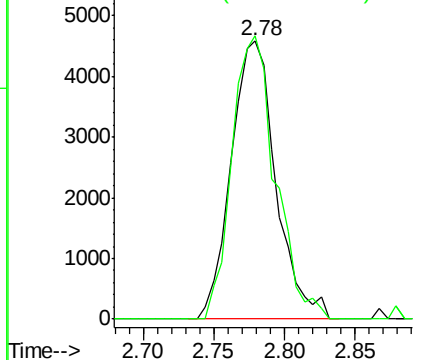
MMDadoda

11/4/2020 10:43:06 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.391 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD067501.D

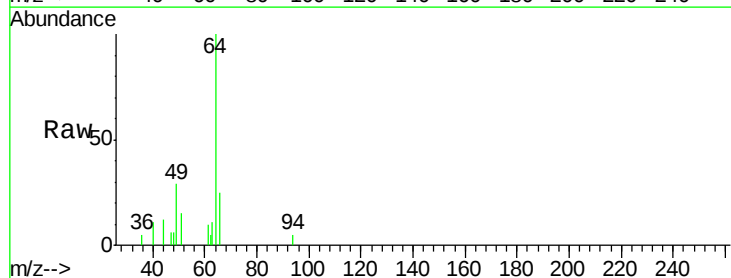
Acq: 03 Nov 2020 10:16

Tgt Ion: 64 Resp: 7099

Ion Ratio Lower Upper

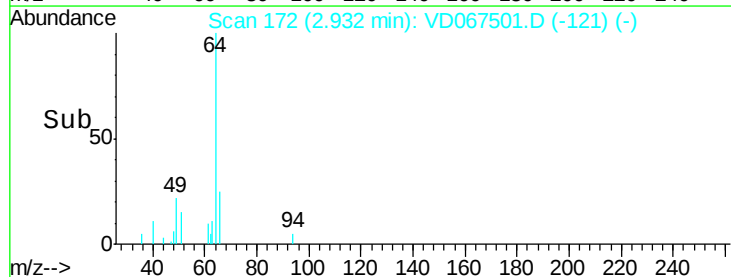
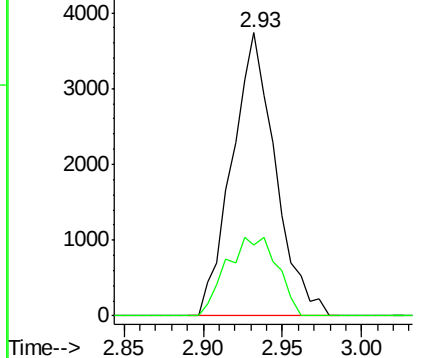
64 100

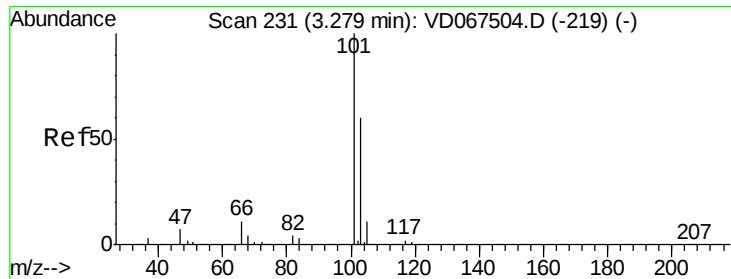
66 25.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

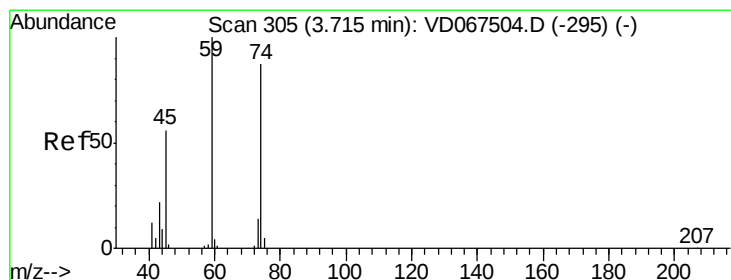
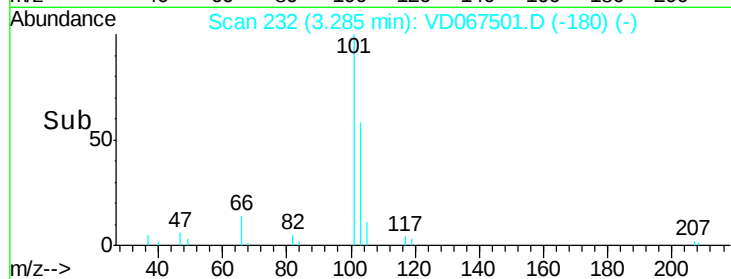
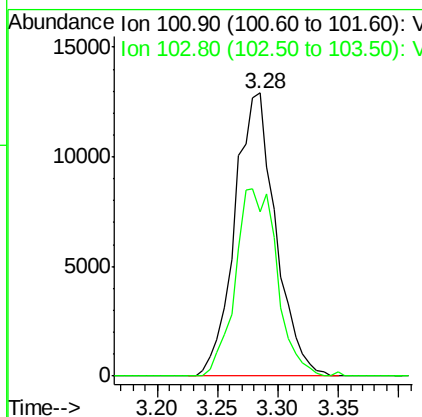
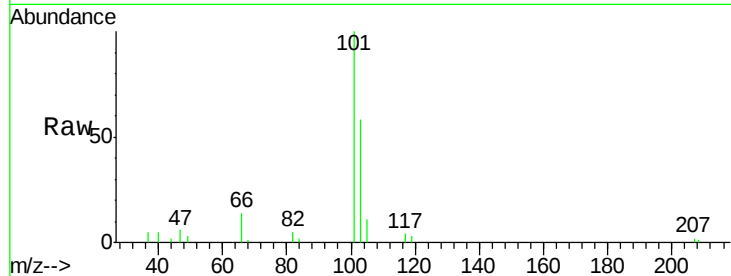
Trichlorofluoromethane
Concen: 5.511 ug/l
RT: 3.28 min Scan# 232
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.1	48.1	72.1

Manual Integrations
APPROVED

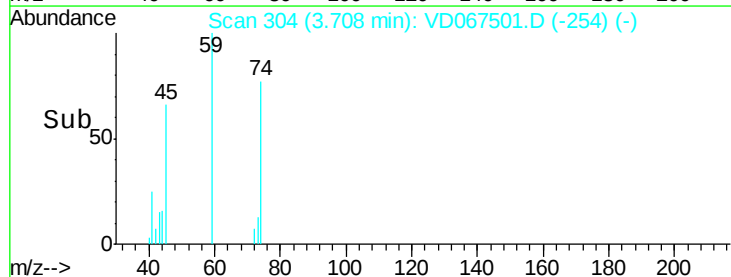
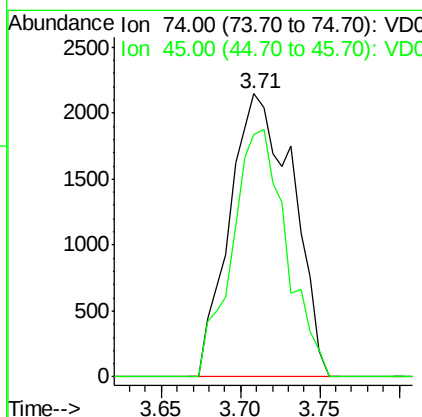
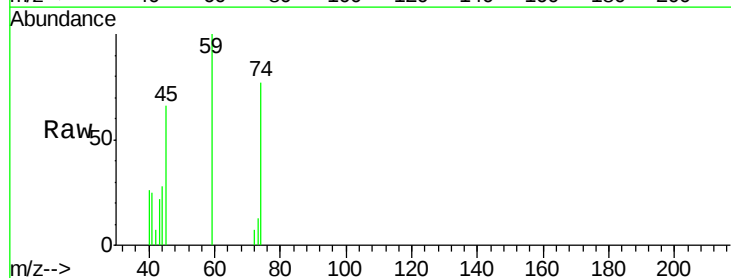
MMDadoda
11/4/2020 10:43:06 AM

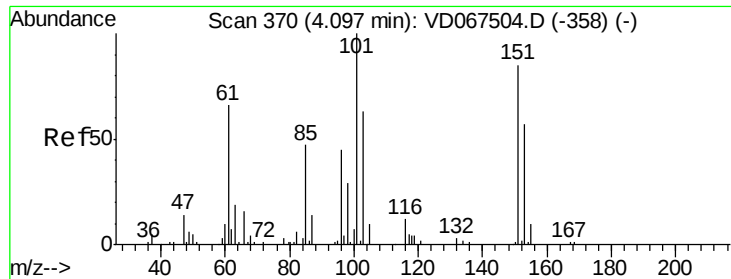


#8

Diethyl Ether
Concen: 5.334 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.3	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.331 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 14882

Ion Ratio Lower Upper

101 100

85 45.9 34.4 51.6

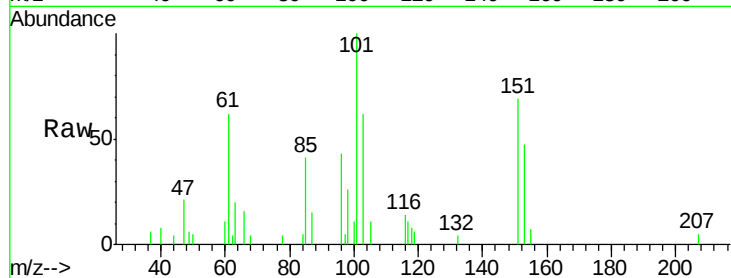
151 46.0 68.1 102.1#

Manual Integrations

APPROVED

MMDadoda

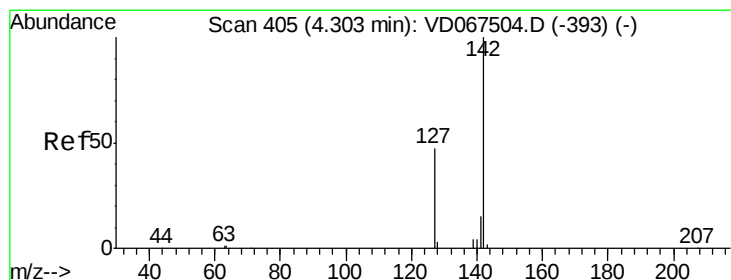
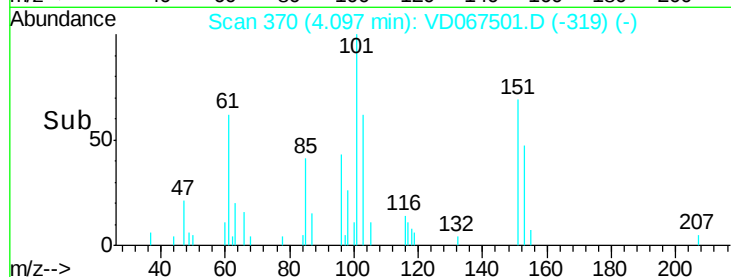
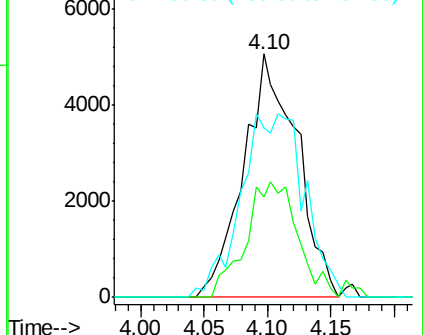
11/4/2020 10:43:06 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.072 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

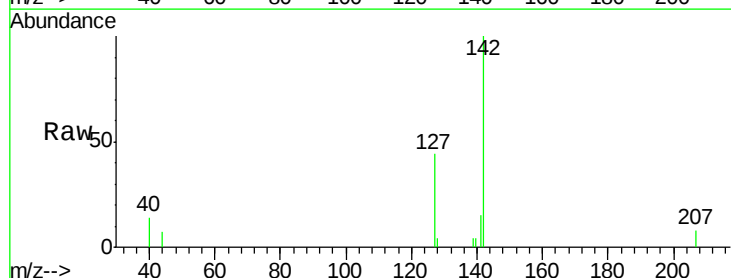
Tgt Ion:142 Resp: 12181

Ion Ratio Lower Upper

142 100

127 57.9 40.0 60.0

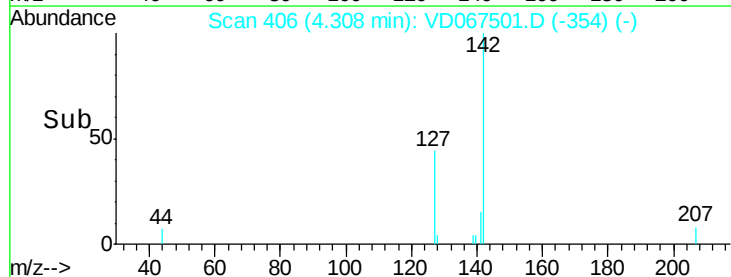
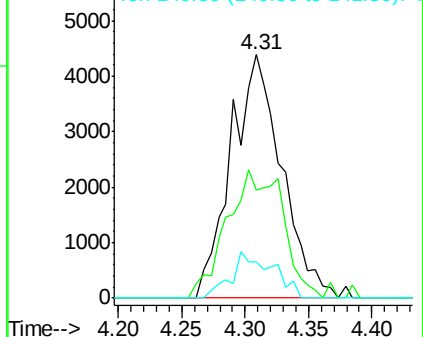
141 15.5 11.7 17.5

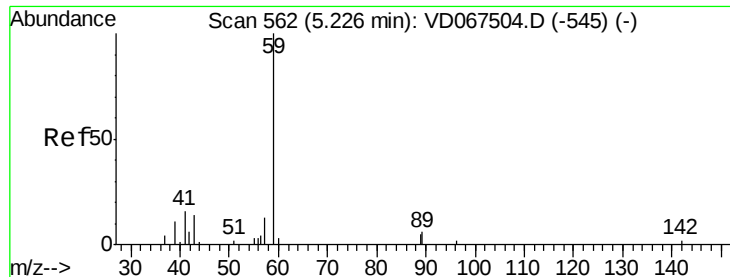


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





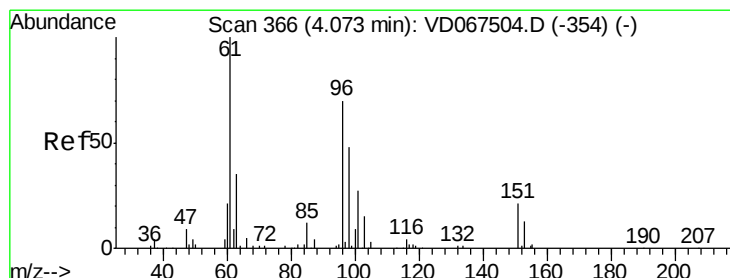
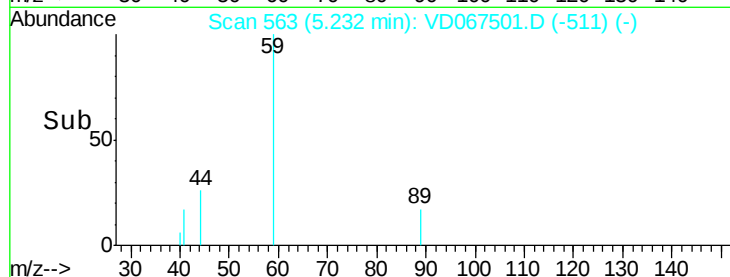
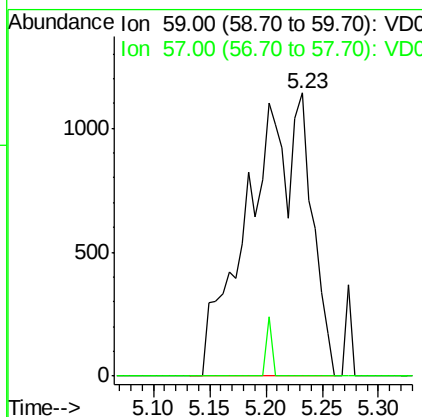
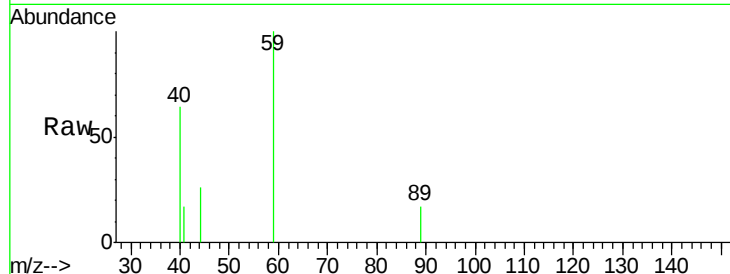
#11
Tert butyl alcohol
Concen: 31.624 ug/l m
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 4307
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

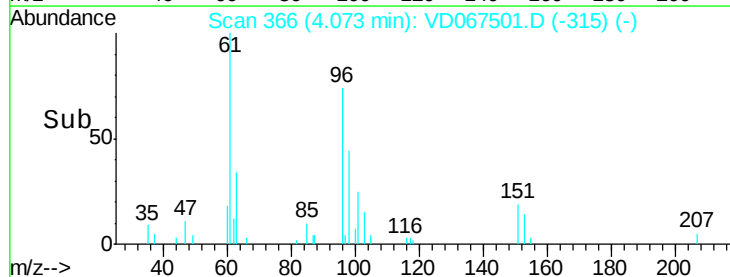
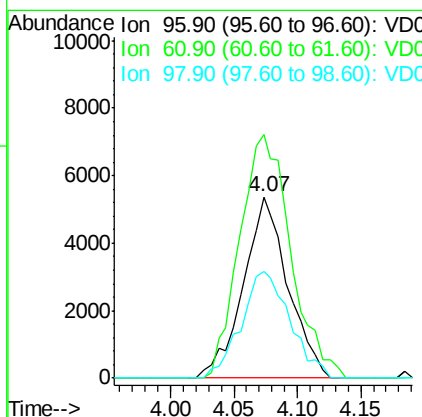
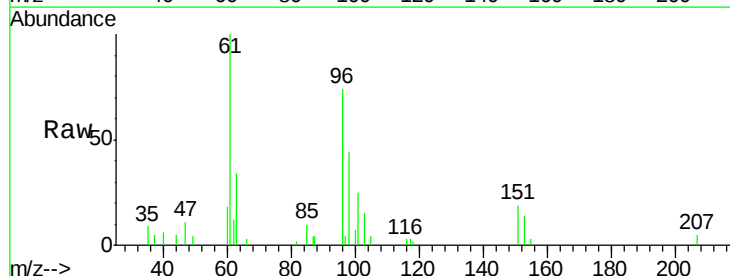
Manual Integrations
APPROVED

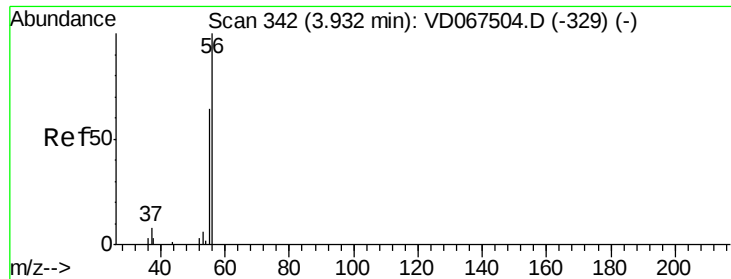
MMDadoda
11/4/2020 10:43:06 AM



#12
1,1-Dichloroethene
Concen: 5.122 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion: 96 Resp: 13151
Ion Ratio Lower Upper
96 100
61 134.5 114.5 171.7
98 59.0 54.5 81.7





#13

Acrolein

Concen: 20.076 ug/l m

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1962

Ion Ratio Lower Upper

56 100

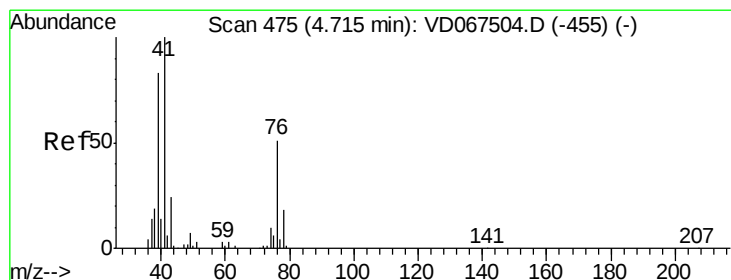
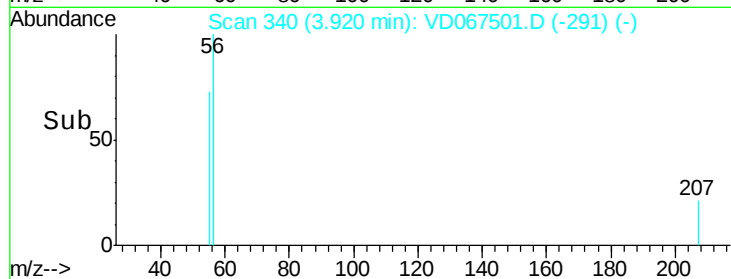
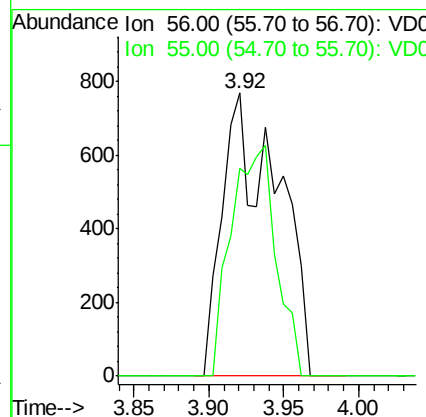
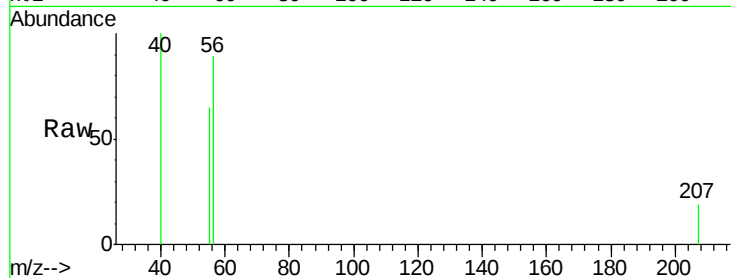
55 66.7 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

11/4/2020 10:43:06 AM



#14

Allyl chloride

Concen: 4.981 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

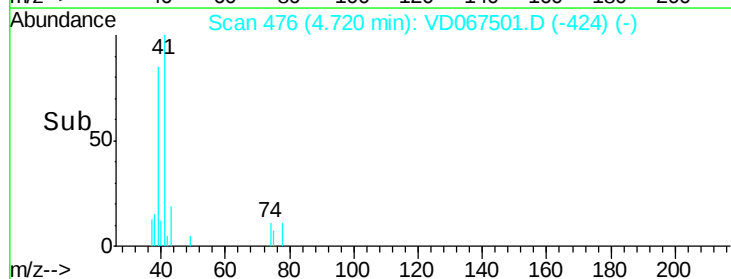
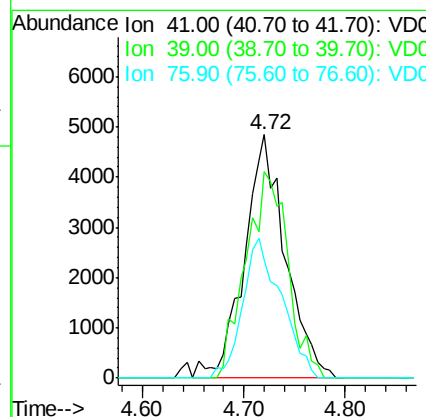
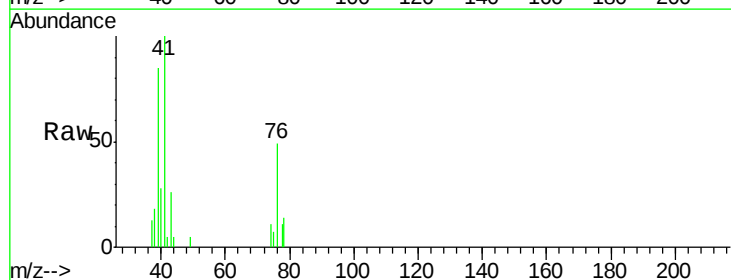
Tgt Ion: 41 Resp: 13687

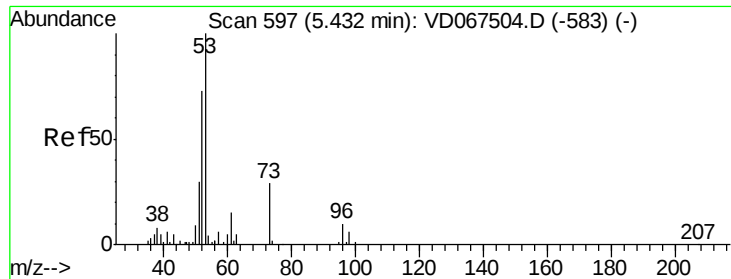
Ion Ratio Lower Upper

41 100

39 86.1 67.4 101.0

76 53.9 42.2 63.2





#15

Acrylonitrile

Concen: 25.511 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

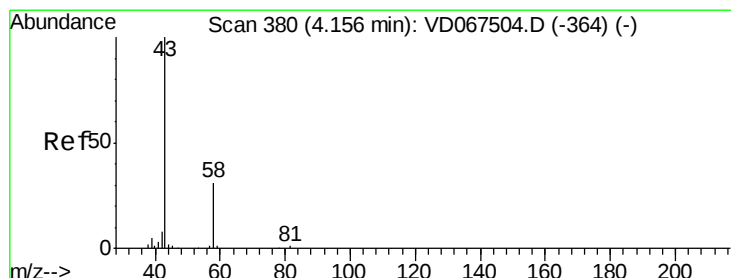
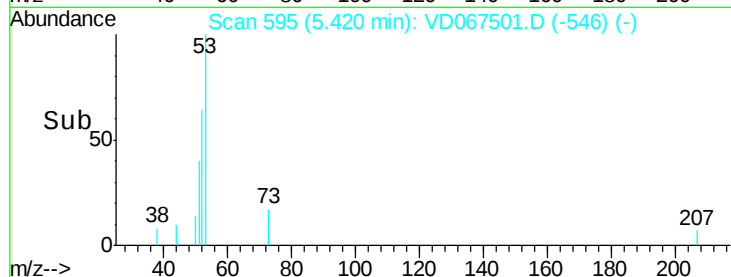
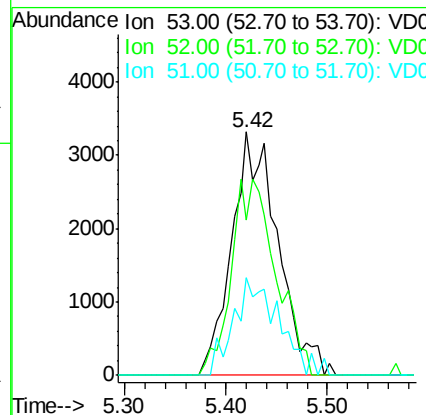
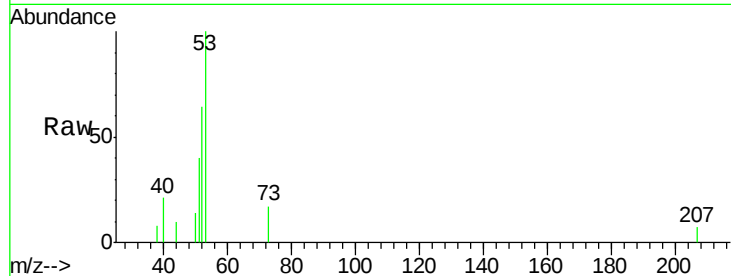
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10508
Ion	Ratio	Lower	Upper
53	100		
52	77.9	64.8	97.2
51	37.5	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM



#16

Acetone

Concen: 23.813 ug/l

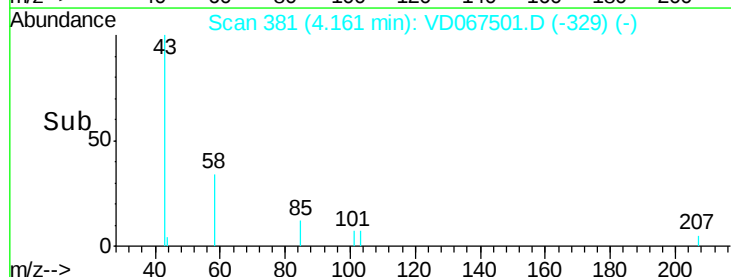
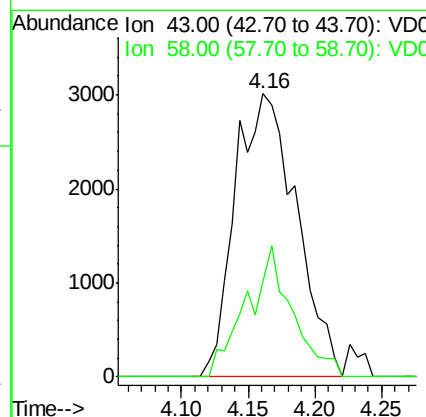
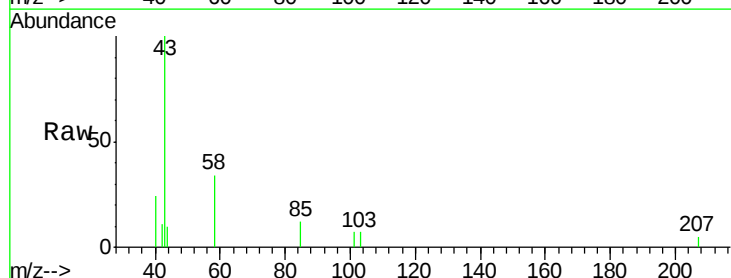
RT: 4.16 min Scan# 381

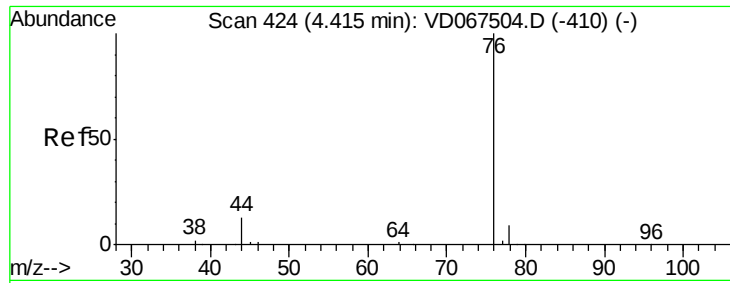
Delta R.T. 0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Tgt Ion:	43	Resp:	9585
Ion	Ratio	Lower	Upper
43	100		
58	33.7	25.2	37.8





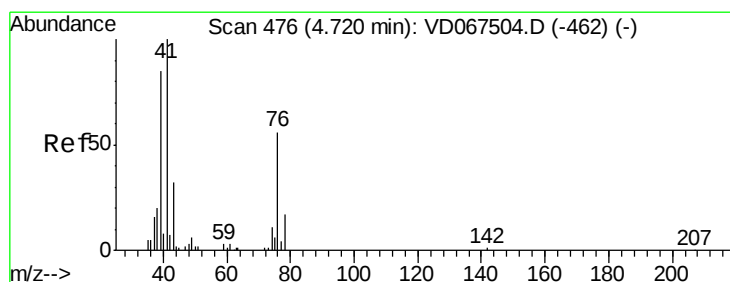
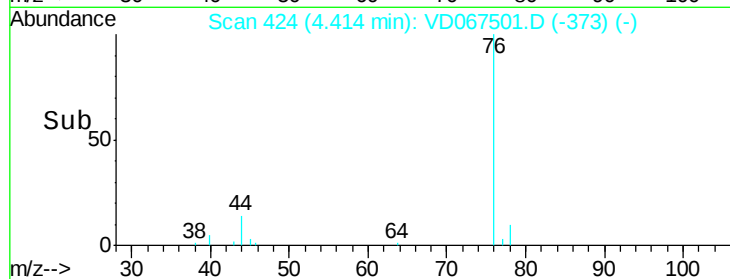
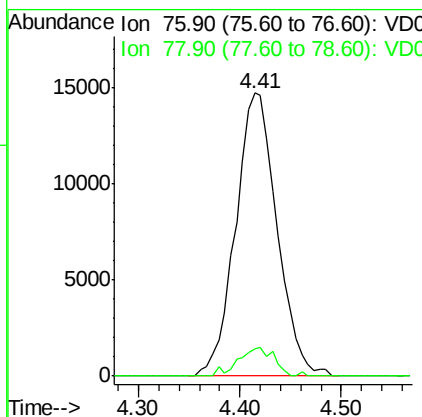
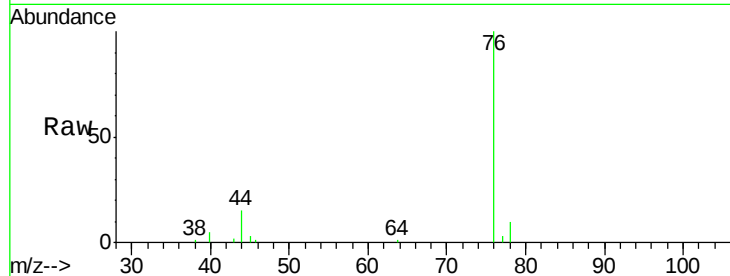
#17
Carbon Disulfide
Concen: 5.292 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 41634
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8

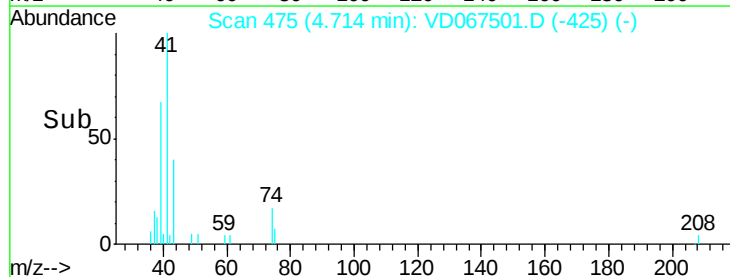
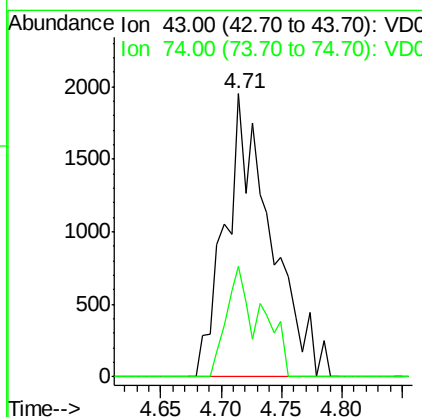
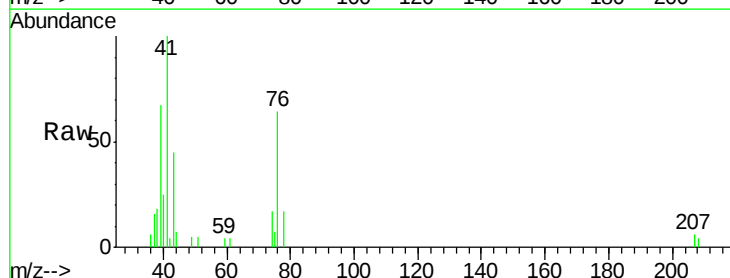
Manual Integrations
APPROVED

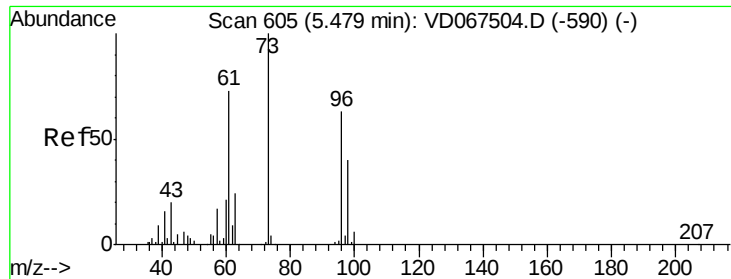
MMDadoda
11/4/2020 10:43:06 AM



#18
Methyl Acetate
Concen: 6.121 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion: 43 Resp: 5091
Ion Ratio Lower Upper
43 100
74 18.4 27.2 40.8#





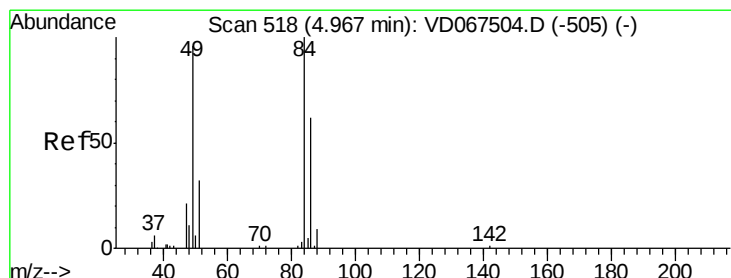
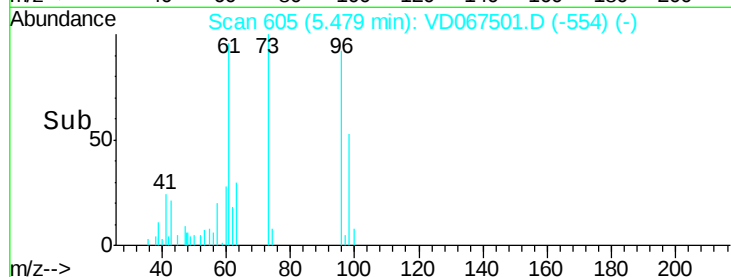
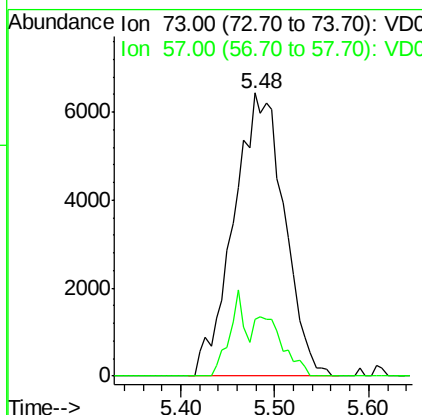
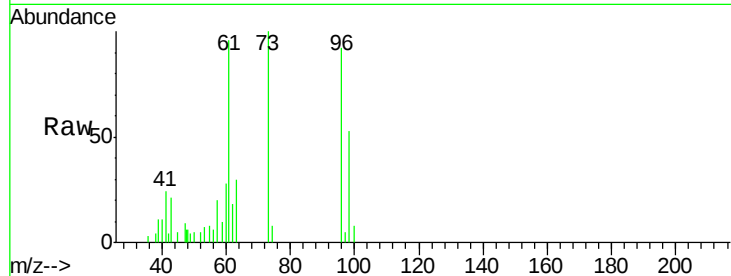
#19
Methvl tert-butvl Ether
Concen: 4.747 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 24039
Ion Ratio Lower Upper
73 100
57 19.9 13.4 20.0

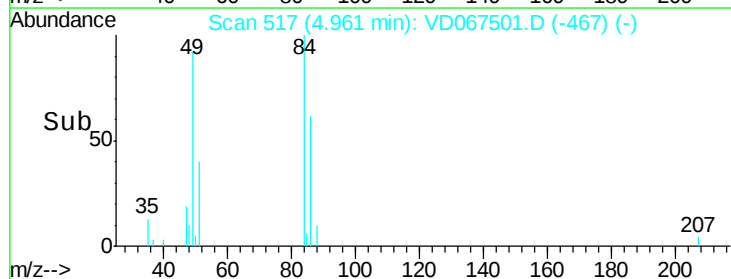
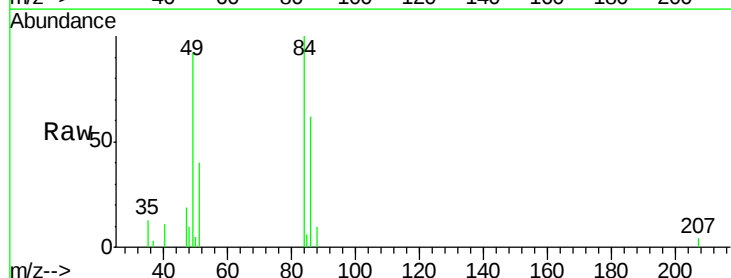
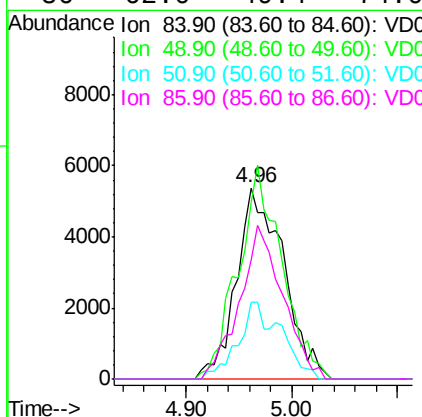
Manual Integrations
APPROVED

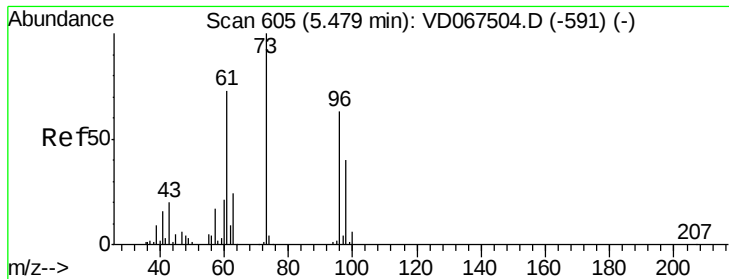
MMDadoda
11/4/2020 10:43:06 AM



#20
Methylene Chloride
Concen: 5.822 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion: 84 Resp: 16555
Ion Ratio Lower Upper
84 100
49 92.4 77.0 115.4
51 40.0 25.4 38.2#
86 62.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 5.427 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

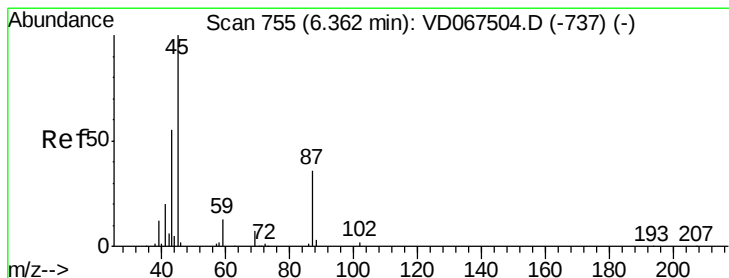
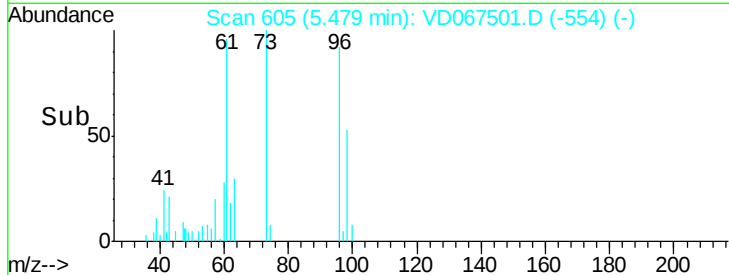
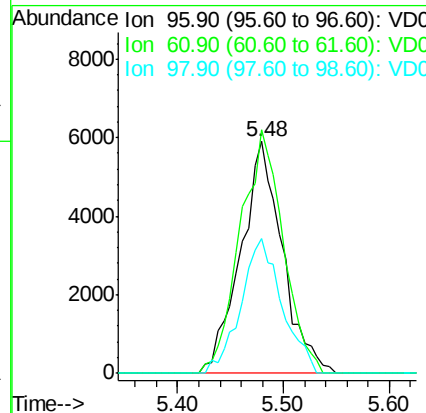
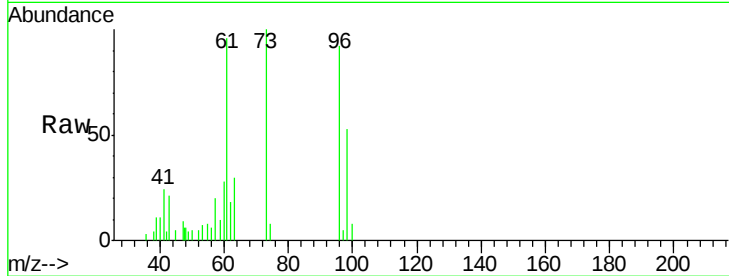
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16231
Ion	Ratio	Lower	Upper
96	100		
61	105.1	93.0	139.6
98	58.3	50.9	76.3

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM



#22

Diisopropyl ether

Concen: 4.825 ug/l

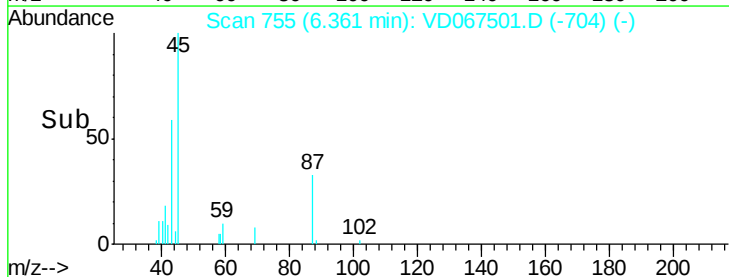
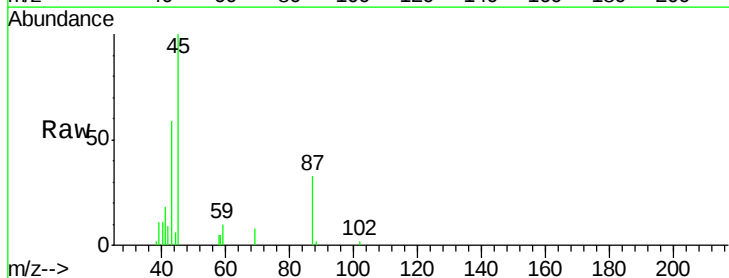
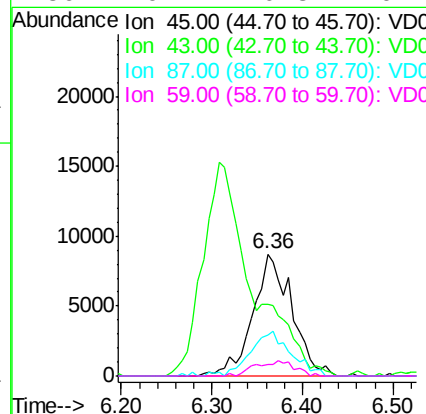
RT: 6.36 min Scan# 755

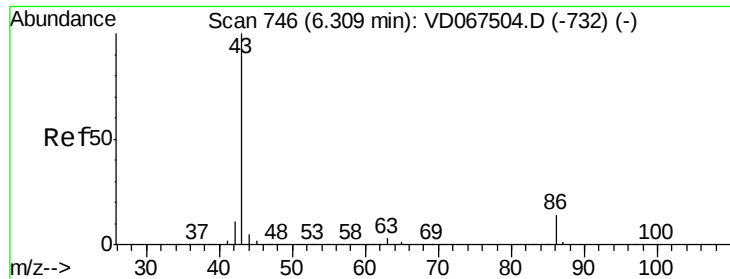
Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Tgt Ion:	45	Resp:	25836
Ion	Ratio	Lower	Upper
45	100		
43	58.9	46.2	69.4
87	33.5	29.4	44.2
59	9.7	10.8	16.2#





#23

Vinyl Acetate

Concen: 20.295 ug/l m

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 56997

Ion Ratio Lower Upper

43 100

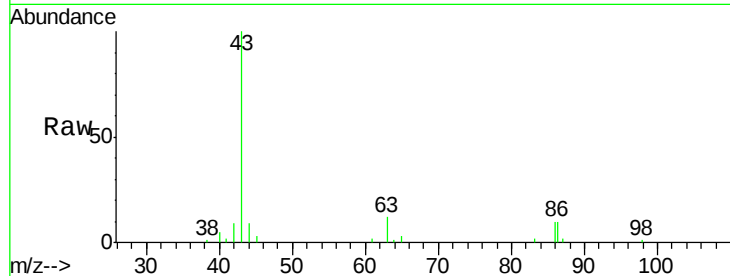
86 10.4 11.6 17.4#

Manual Integrations

APPROVED

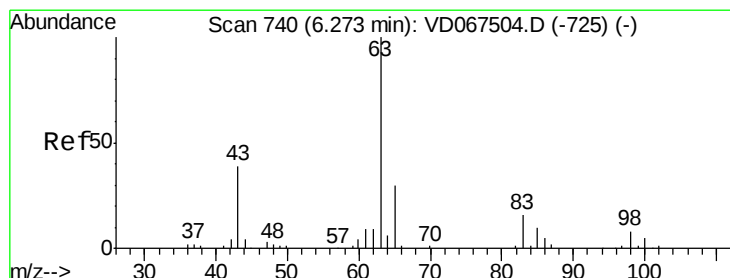
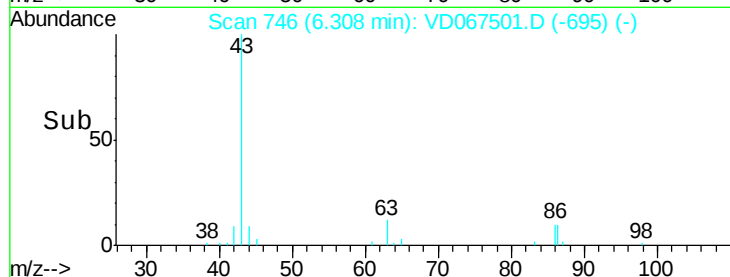
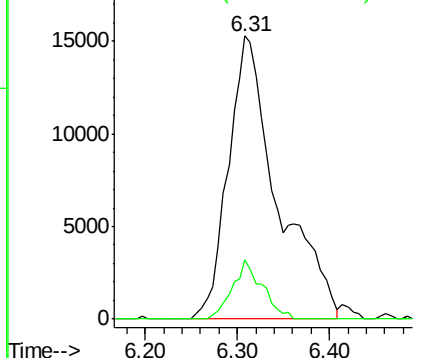
MMDadoda

11/4/2020 10:43:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.183 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

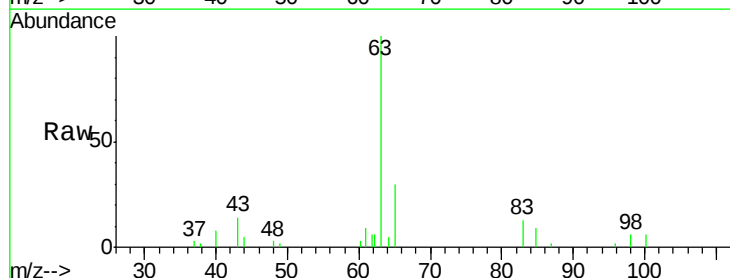
Tgt Ion: 63 Resp: 22707

Ion Ratio Lower Upper

63 100

98 5.6 3.9 11.5

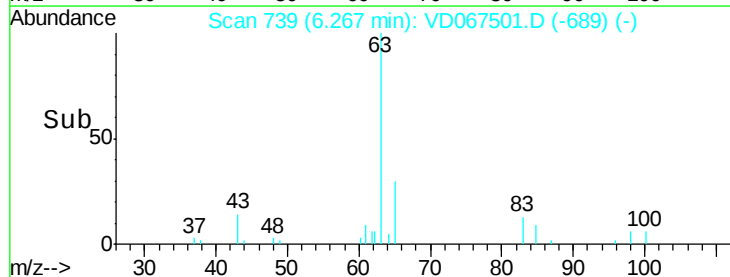
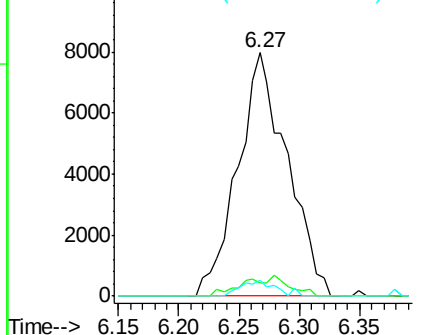
100 6.4 2.6 7.8

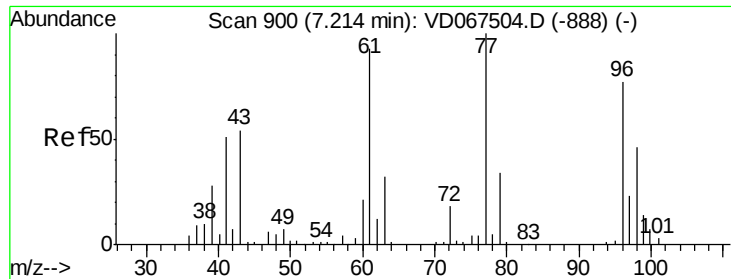


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





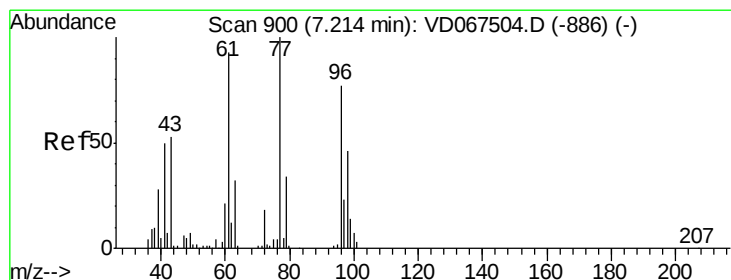
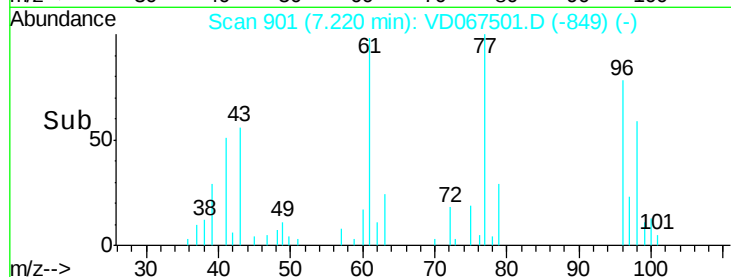
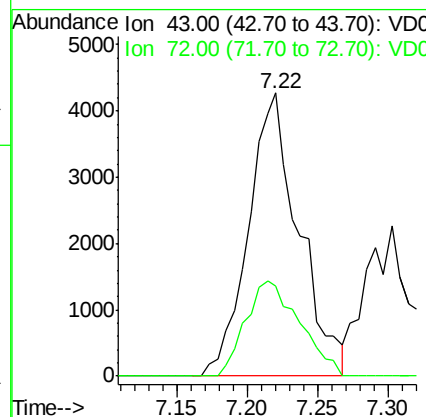
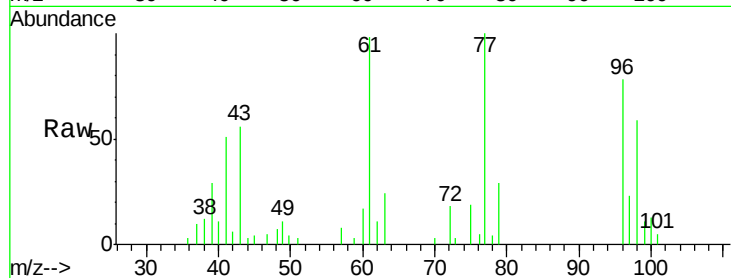
#25
2-Butanone
Concen: 24.797 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 10665
Ion Ratio Lower Upper
43 100
72 31.8 26.4 39.6

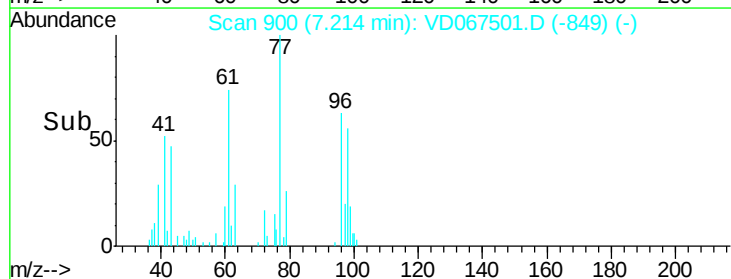
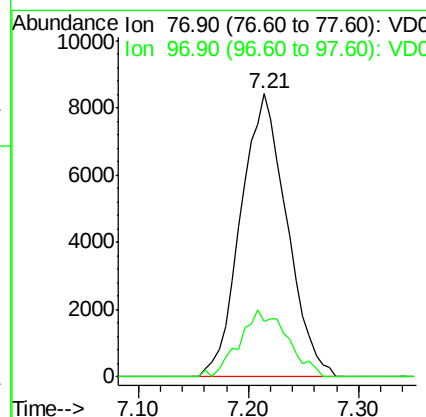
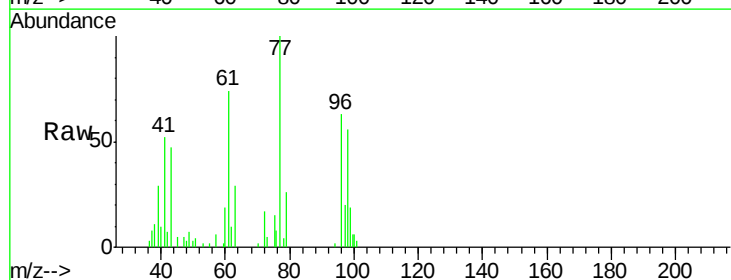
Manual Integrations
APPROVED

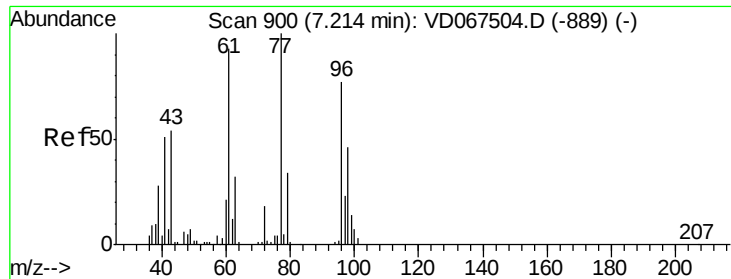
MMDadoda
11/4/2020 10:43:06 AM



#26
2,2-Dichloropropane
Concen: 5.334 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion: 77 Resp: 24662
Ion Ratio Lower Upper
77 100
97 24.4 11.1 33.3





#27

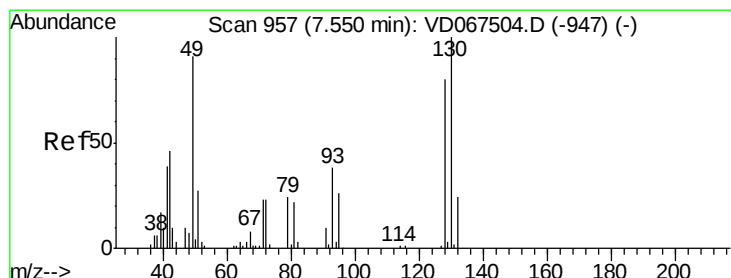
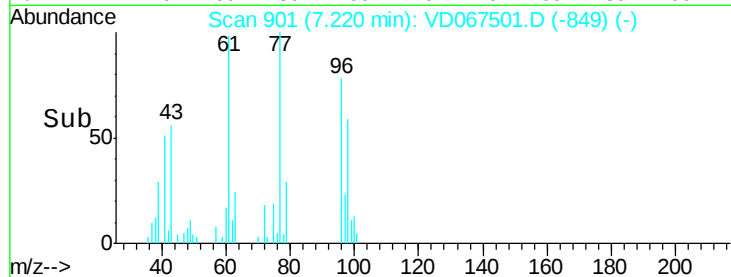
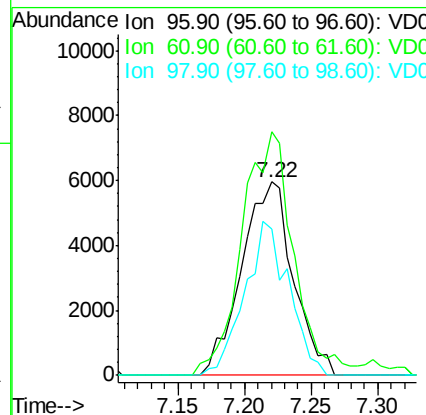
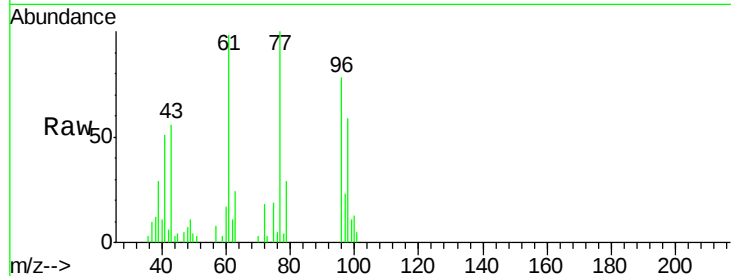
cis-1,2-Dichloroethene
Concen: 5.148 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.5	0.0	251.6
98	67.6	0.0	128.0

Manual Integrations
APPROVED

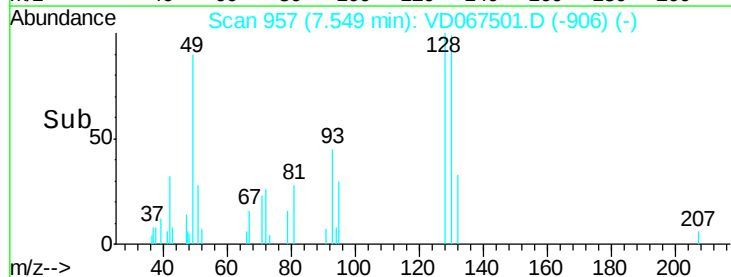
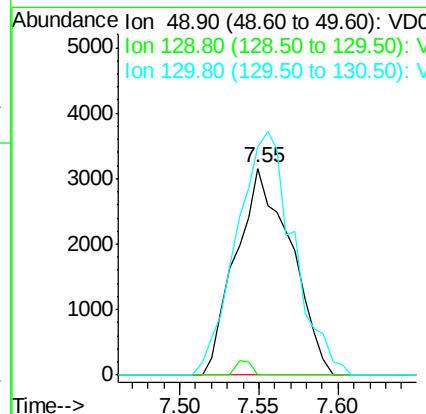
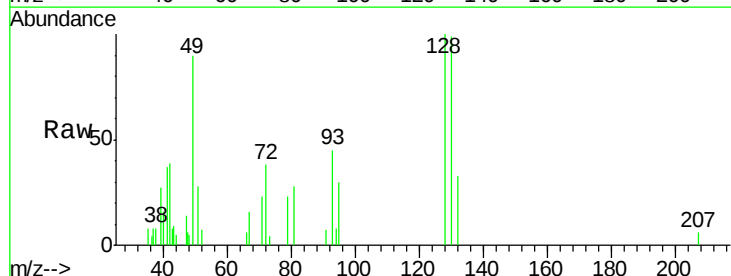
MMDadoda
11/4/2020 10:43:06 AM

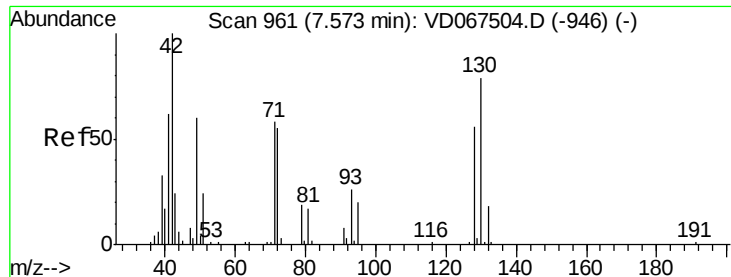


#28

Bromochloromethane
Concen: 4.894 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	6.4
130	121.4	94.6	142.0





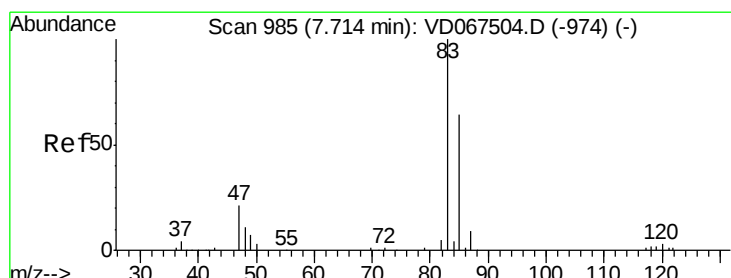
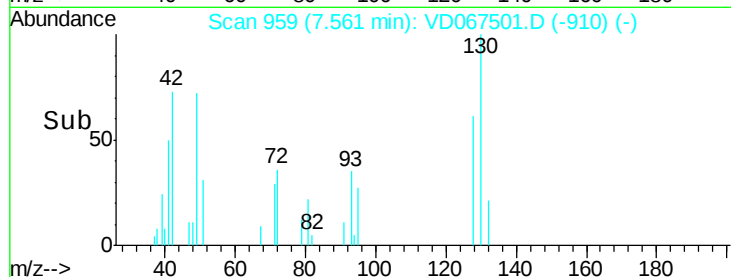
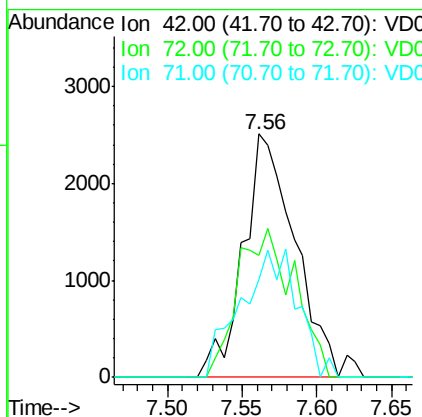
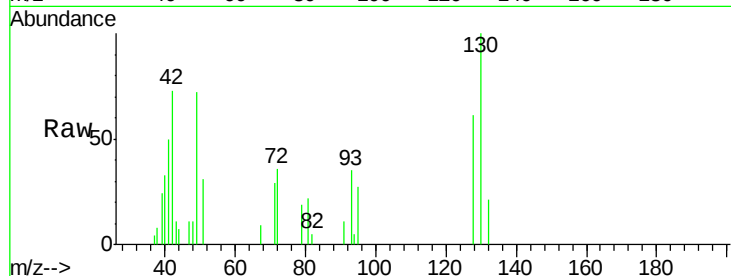
#29
Tetrahydrofuran
Concen: 23.285 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	5999
Ion	Ratio	Lower	Upper
42	100		
72	67.5	46.3	69.5
71	58.3	44.0	66.0

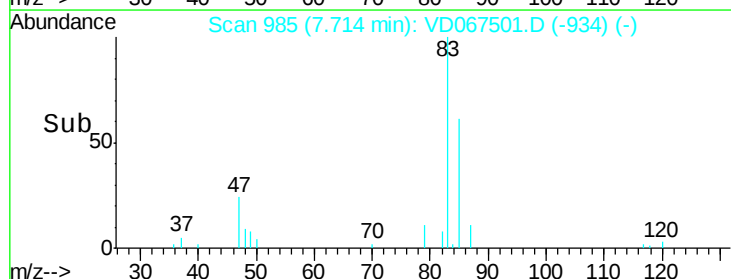
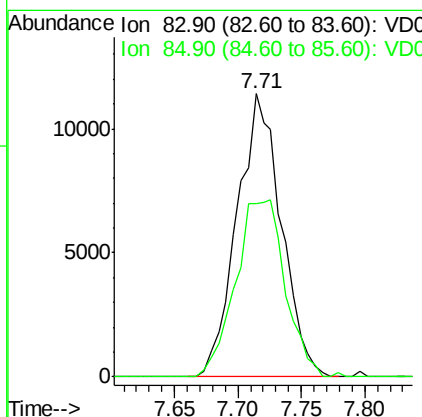
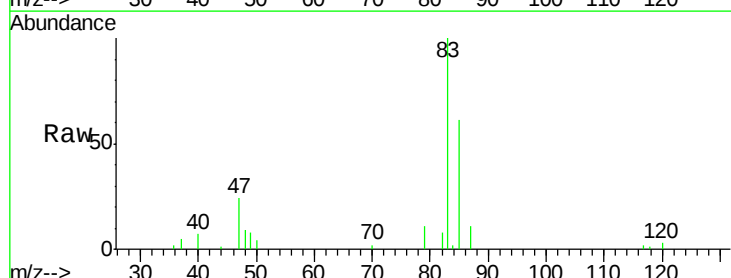
Manual Integrations
APPROVED

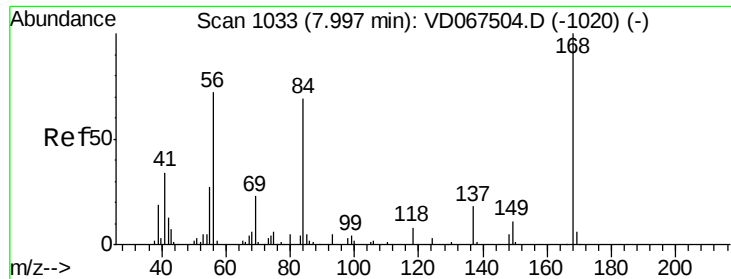
MMDadoda
11/4/2020 10:43:06 AM



#30
Chloroform
Concen: 5.283 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion:	83	Resp:	27609
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.5	77.3





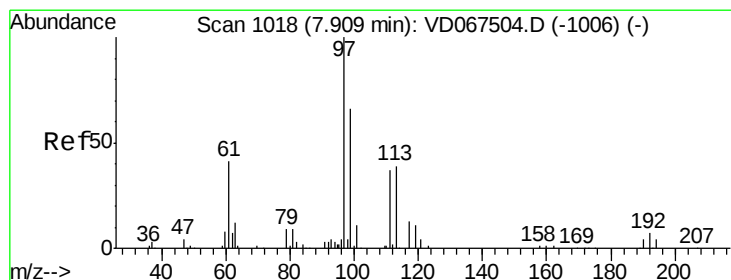
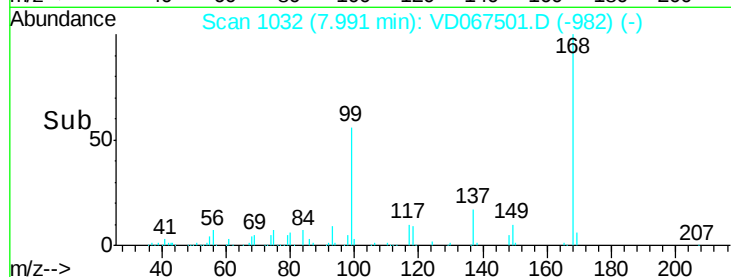
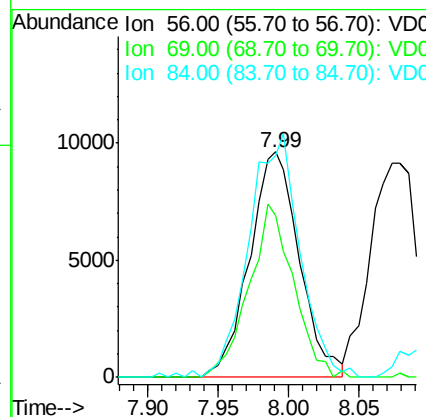
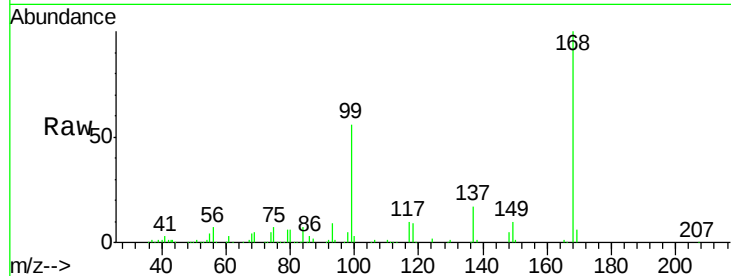
#31
Cyclohexane
Concen: 6.116 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	71.4	25.9	38.9#
84	96.0	76.2	114.4

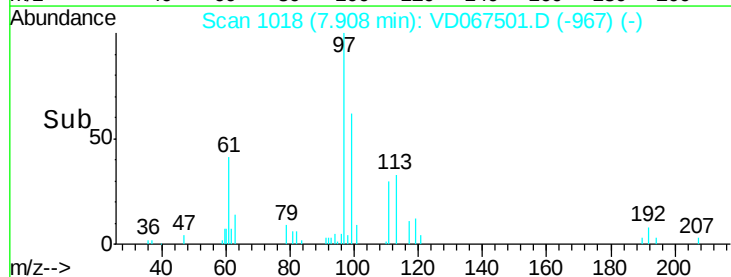
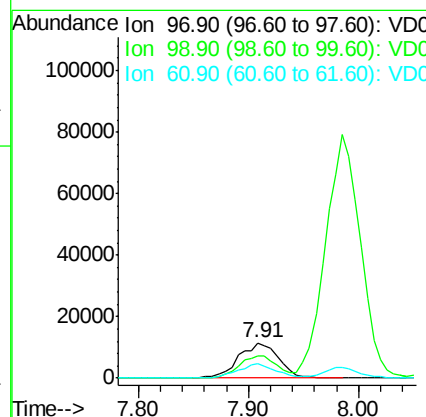
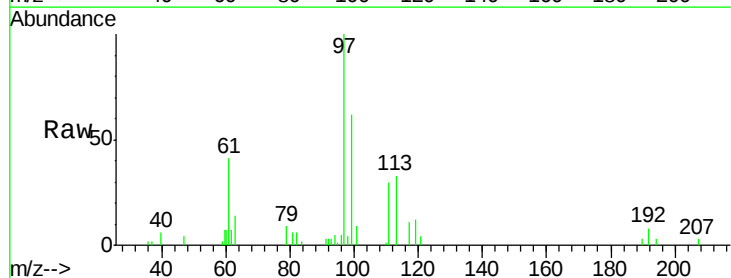
Manual Integrations
APPROVED

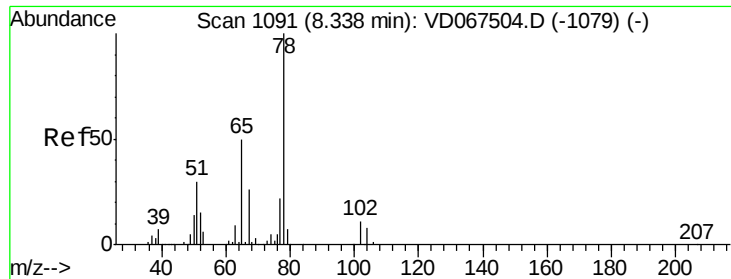
MMDadoda
11/4/2020 10:43:06 AM



#32
1,1,1-Trichloroethane
Concen: 5.385 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.8	77.6
61	40.1	30.5	45.7





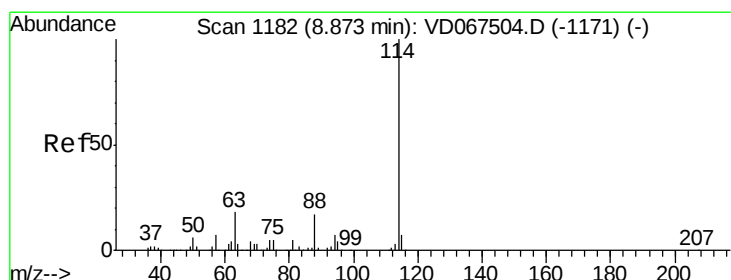
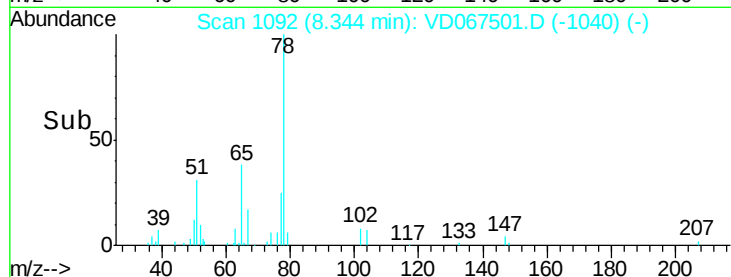
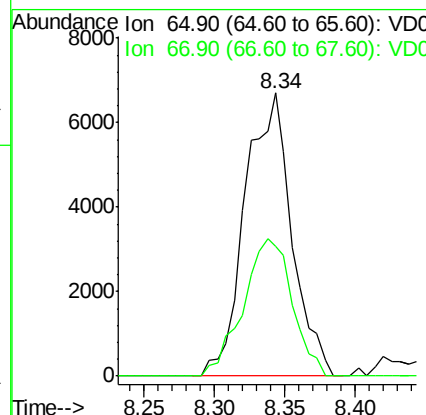
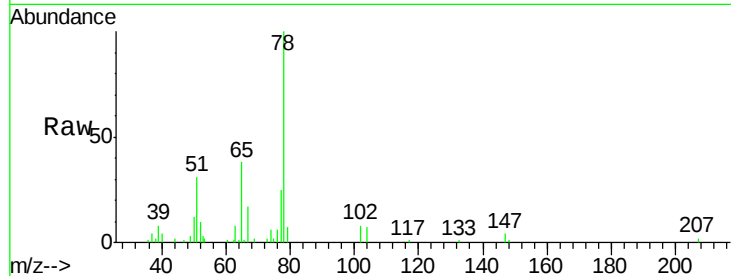
#33
 1,2-Dichloroethane-d4
 Concen: 5.772 ug/l
 RT: 8.34 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.8	0.0	99.4	

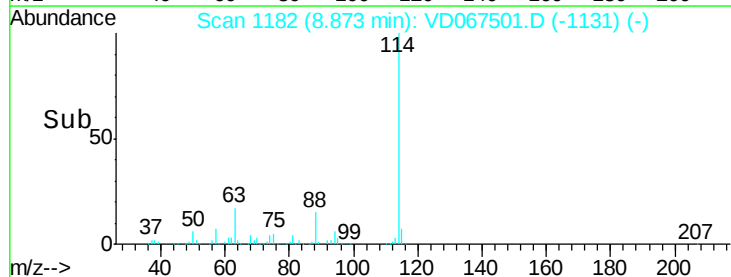
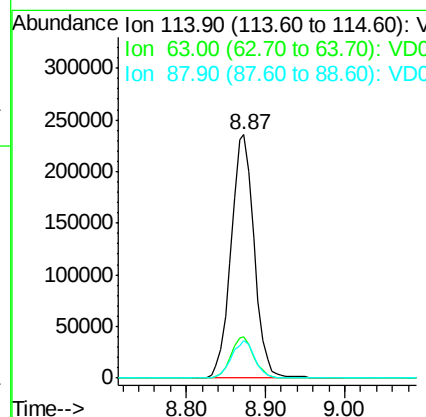
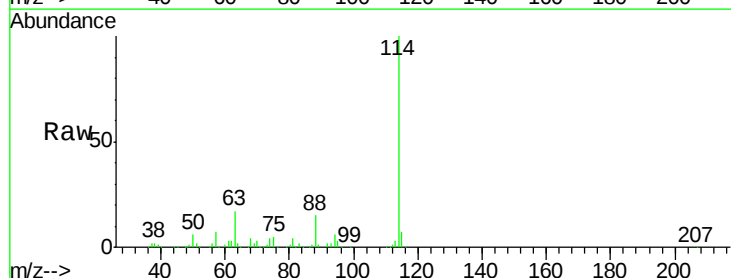
Manual Integrations
 APPROVED

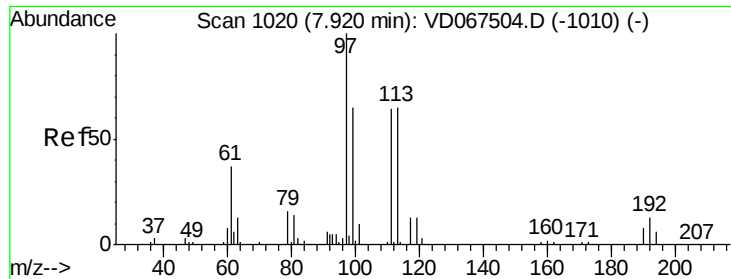
MMDadoda
 11/4/2020 10:43:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.8	0.0	35.0	
88	15.4	0.0	33.0	





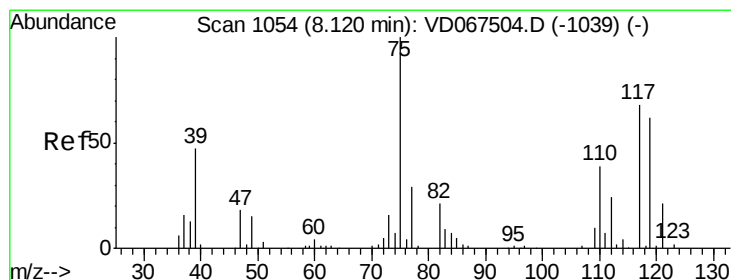
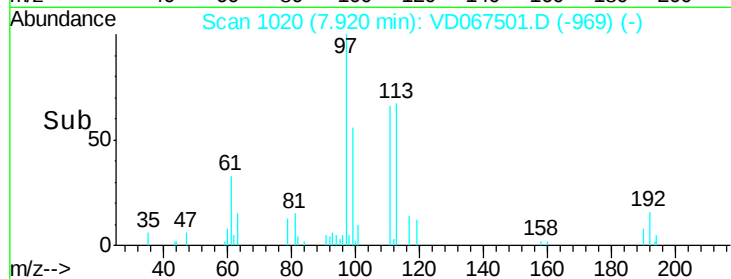
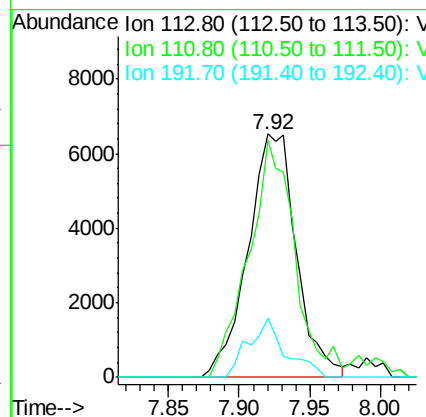
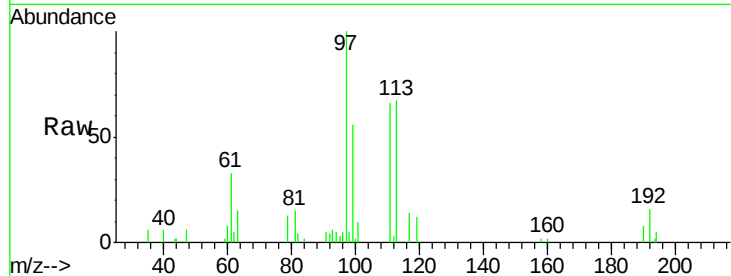
#35
 Dibromofluoromethane
 Concen: 5.501 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	93.5	80.0	120.0
192	18.4	16.3	24.5

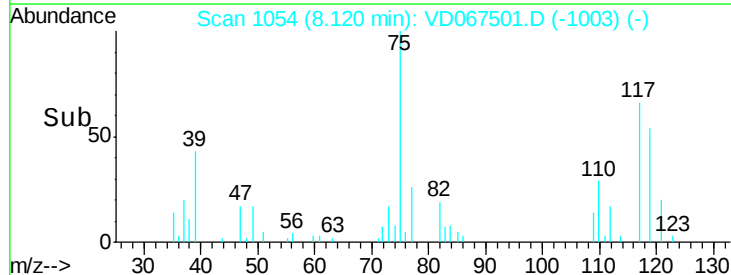
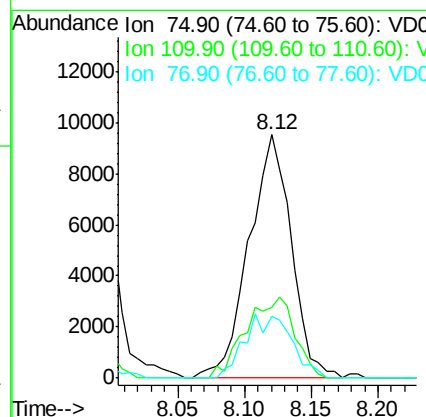
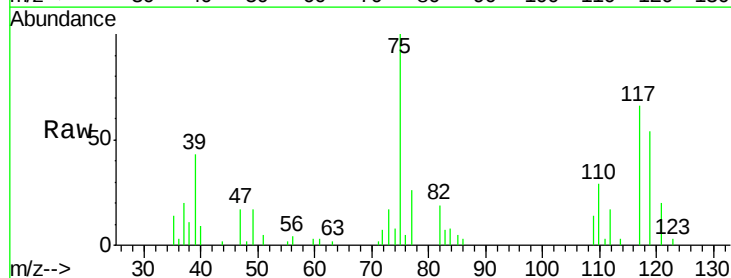
Manual Integrations
 APPROVED

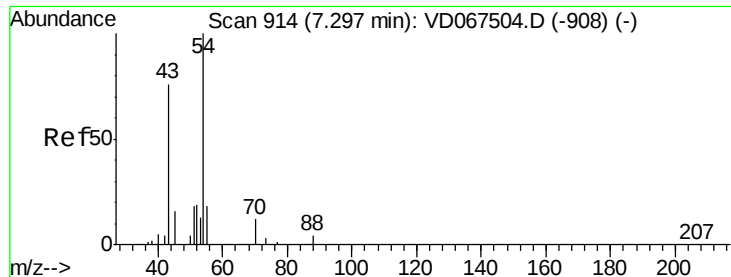
MMDadoda
 11/4/2020 10:43:06 AM



#36
 1,1-Dichloropropene
 Concen: 5.151 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.9	59.7
77	28.8	24.8	37.2





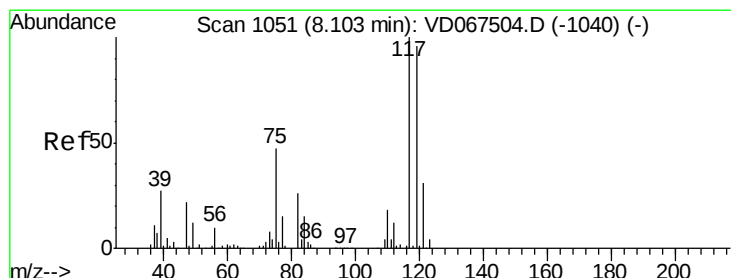
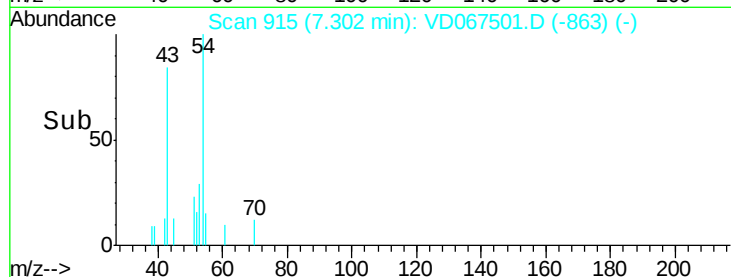
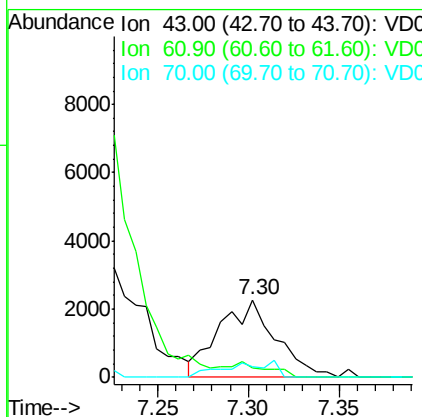
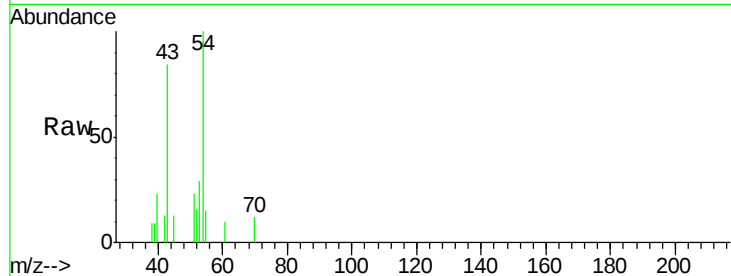
#37
Ethyl Acetate
Concen: 4.632 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	12.8	19.2#
70	17.5	11.7	17.5#

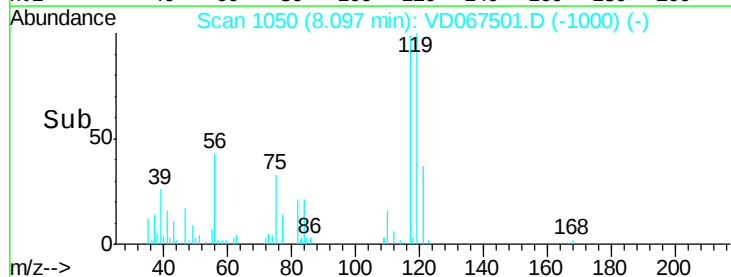
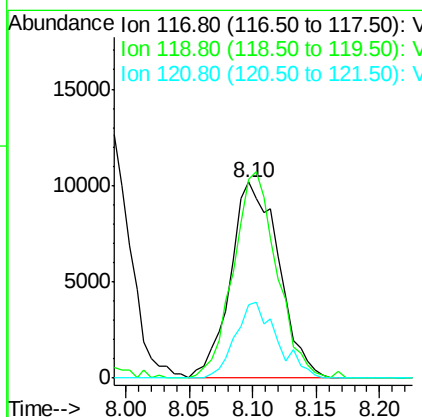
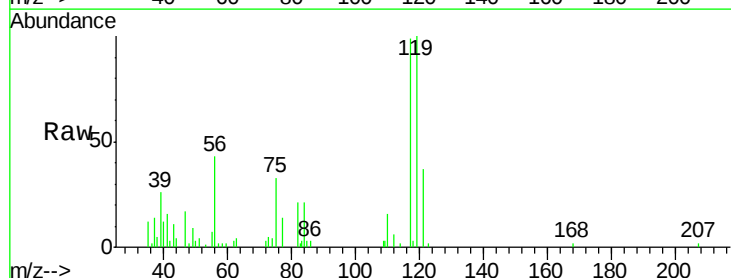
Manual Integrations
APPROVED

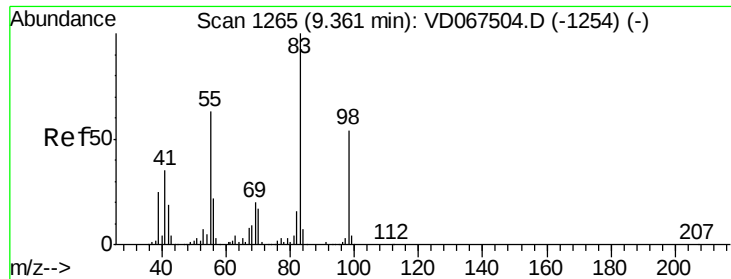
MMDadoda
11/4/2020 10:43:06 AM



#38
Carbon Tetrachloride
Concen: 5.103 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.4	76.9	115.3
121	37.7	24.5	36.7#





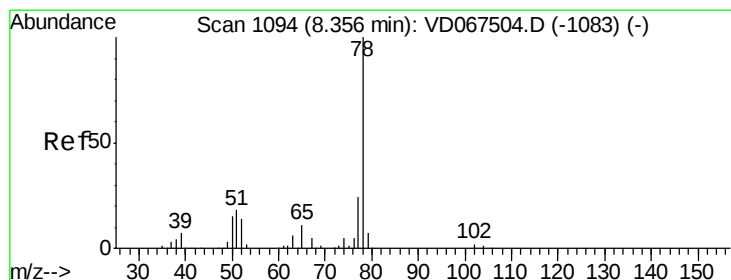
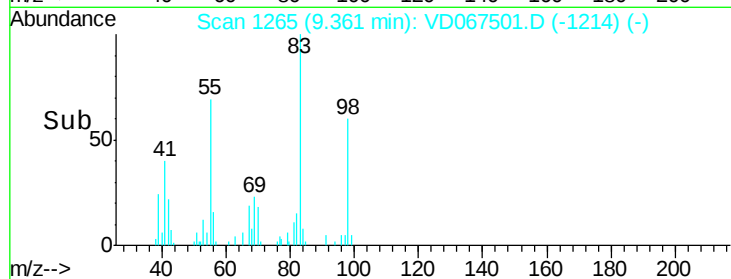
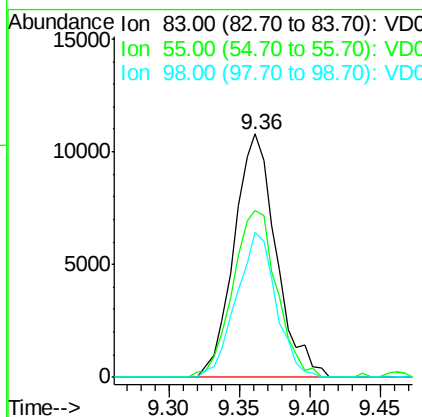
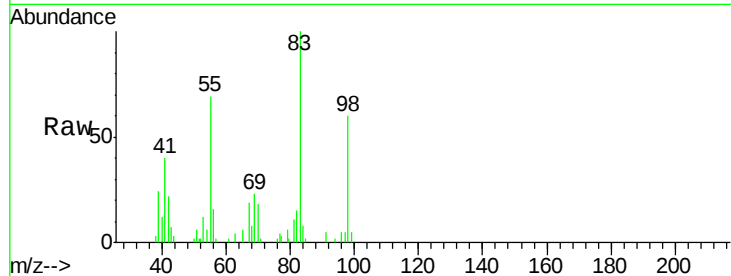
#39
Methvlcvclohexane
Concen: 4.694 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	50.5	75.7
98	59.7	43.4	65.0

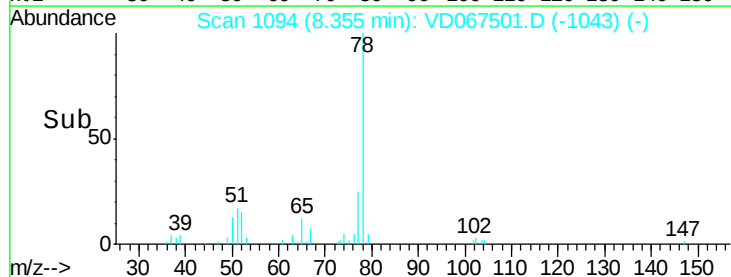
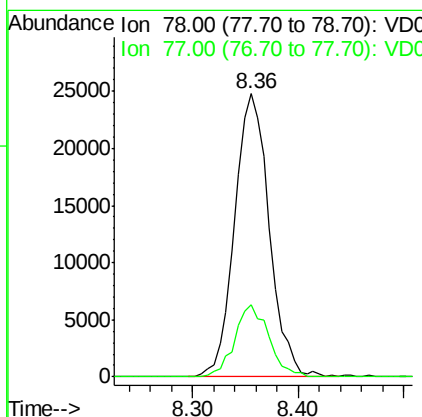
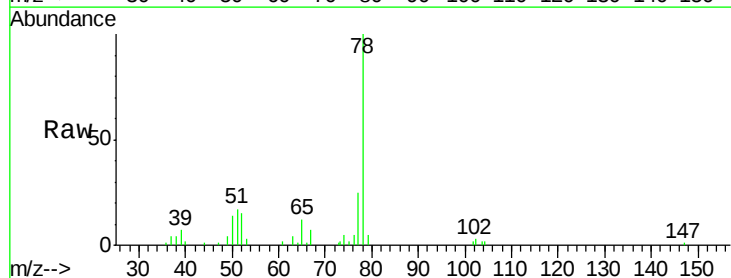
Manual Integrations
APPROVED

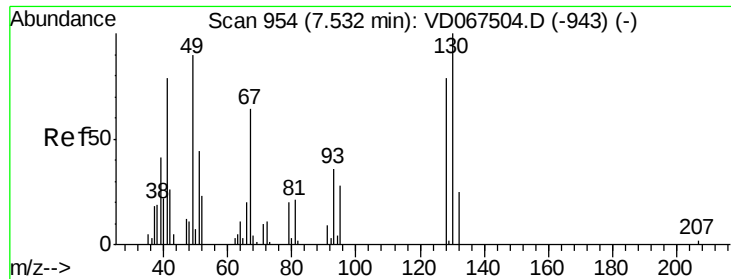
MMDadoda
11/4/2020 10:43:06 AM



#40
Benzene
Concen: 5.118 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.1	28.7





#41

Methacrylonitrile

Concen: 6.084 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 3229

Ion Ratio Lower Upper

41 100

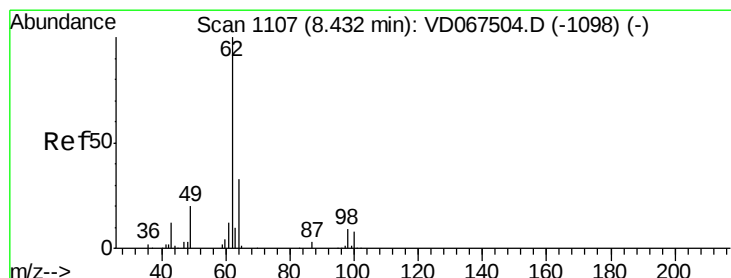
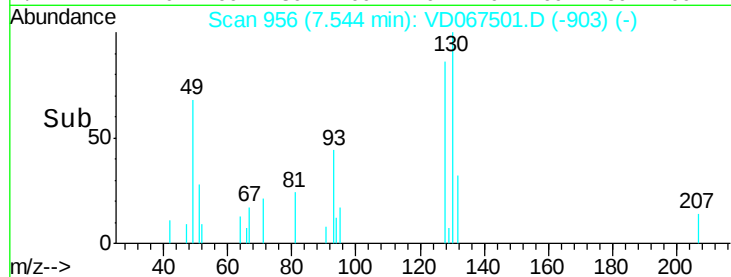
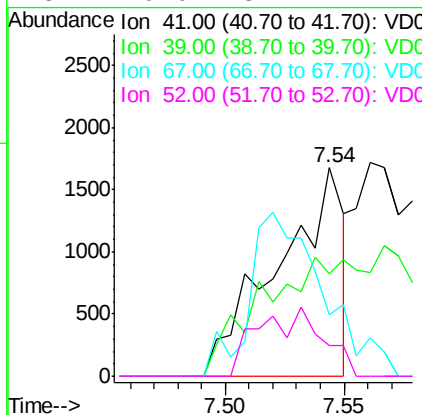
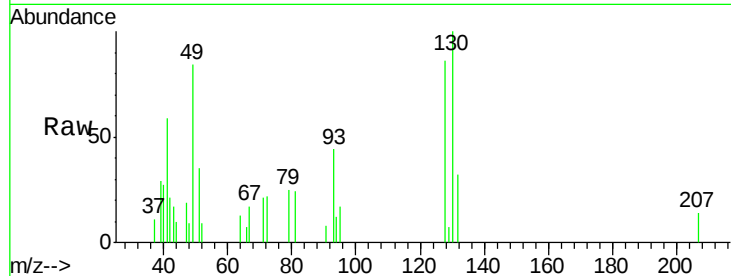
39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM



#42

1,2-Dichloroethane

Concen: 5.190 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067501.D

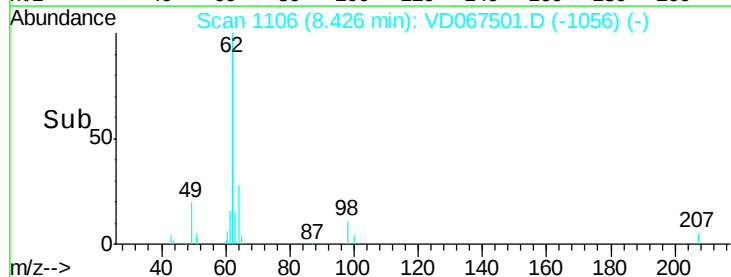
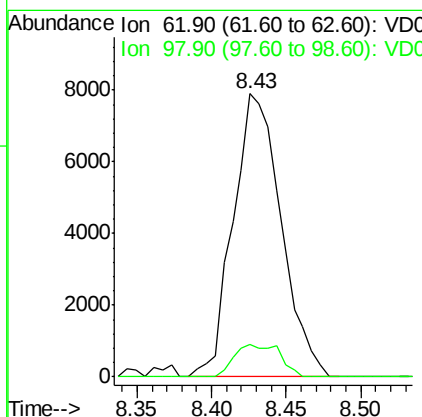
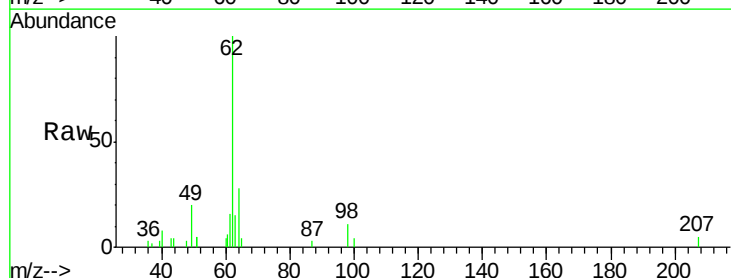
Acq: 03 Nov 2020 10:16

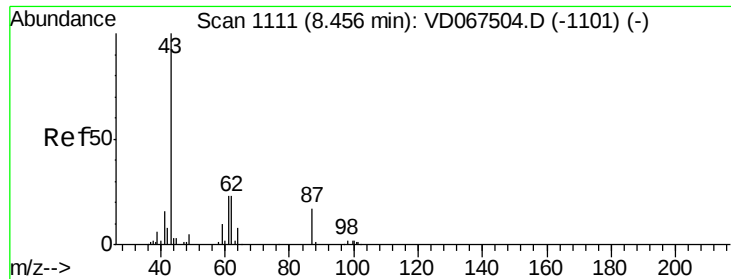
Tgt Ion: 62 Resp: 17652

Ion Ratio Lower Upper

62 100

98 10.8 0.0 19.8





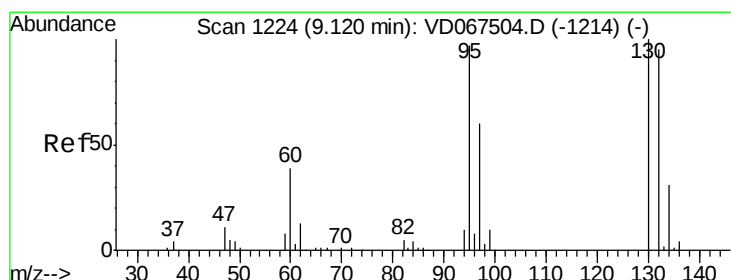
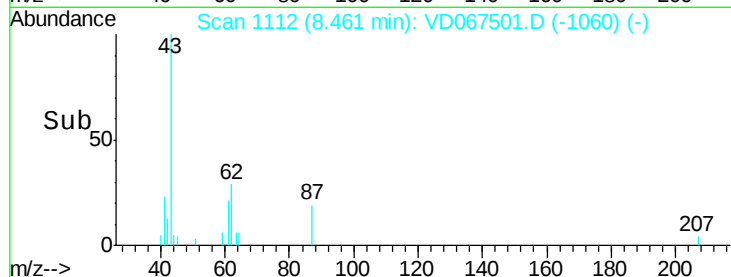
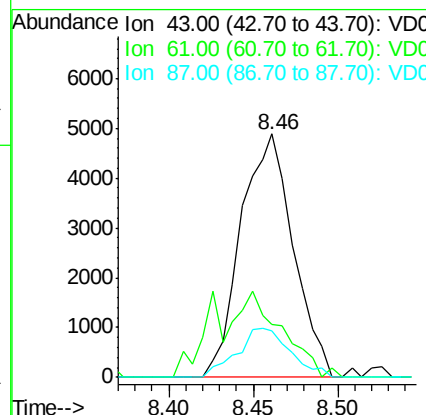
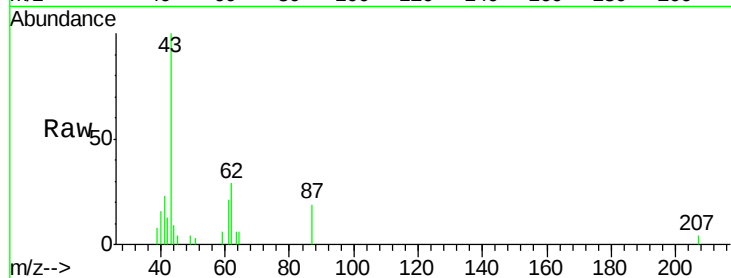
#43
Isopropyl Acetate
Concen: 5.024 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	10482
Ion Ratio	100	Lower	Upper
43	100		
61	31.4	30.5	45.7
87	20.7	14.7	22.1

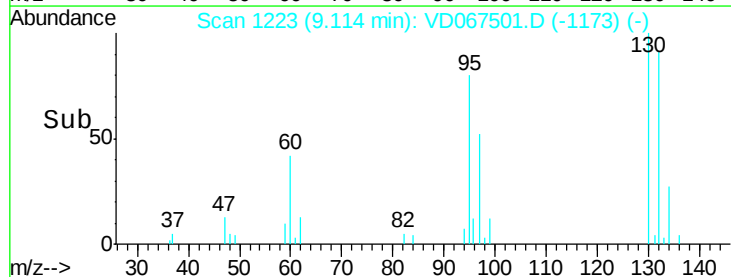
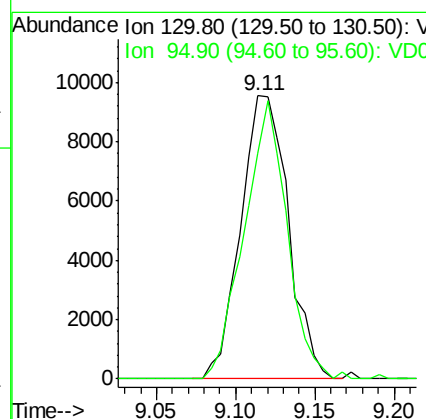
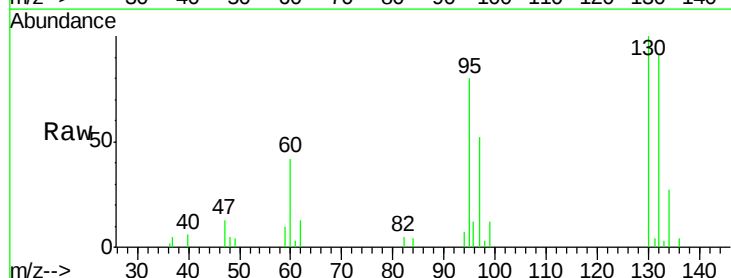
Manual Integrations
APPROVED

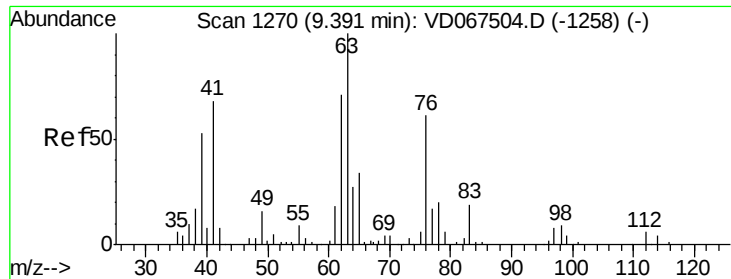
MMDadoda
11/4/2020 10:43:06 AM



#44
Trichloroethene
Concen: 5.506 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	130	Resp	19929
Ion Ratio	100	Lower	Upper
130	100		
95	79.8	0.0	194.4





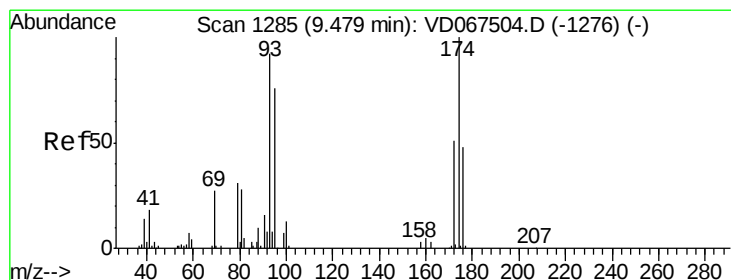
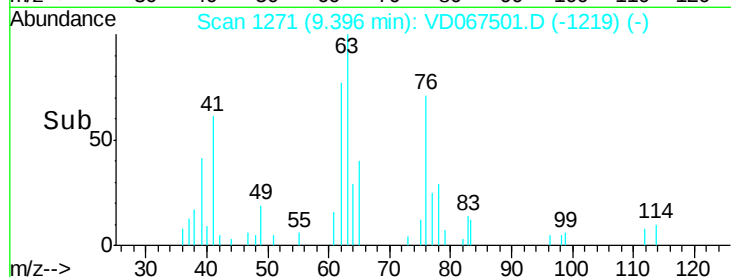
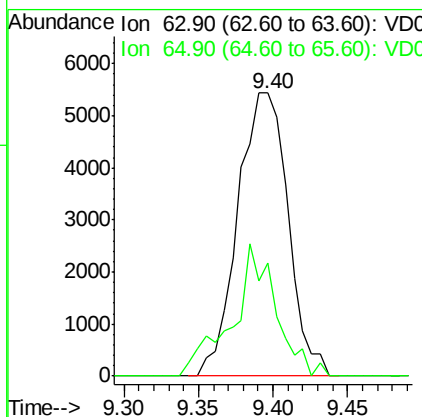
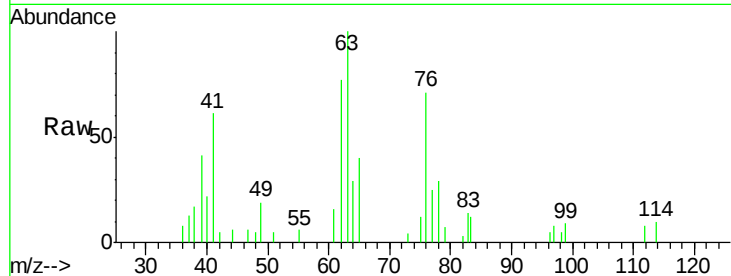
#45
 1,2-Dichloropropane
 Concen: 5.326 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	39.9	26.9	40.3

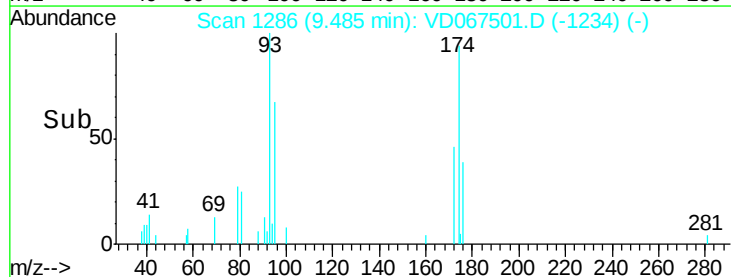
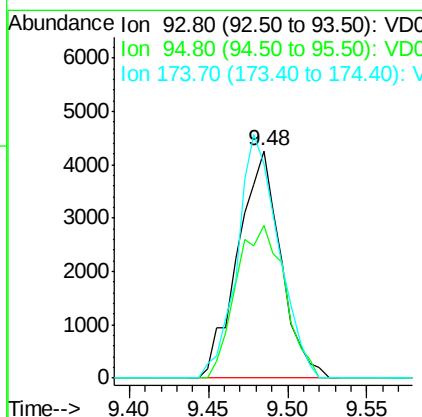
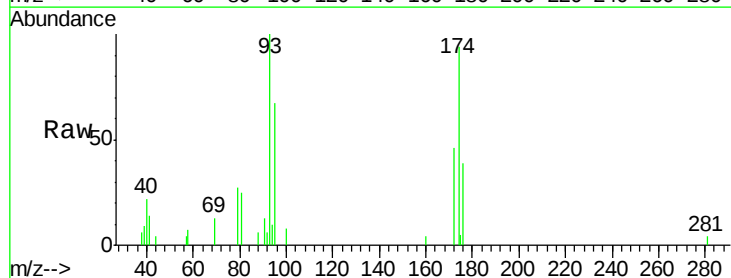
Manual Integrations
 APPROVED

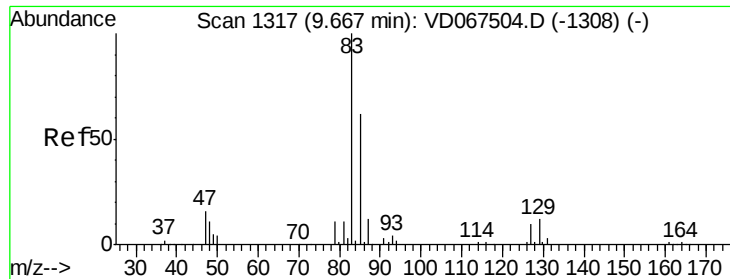
MMDadoda
 11/4/2020 10:43:06 AM



#46
 Dibromomethane
 Concen: 5.300 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	76.2	66.4	99.6
174	103.0	88.2	132.4





#47

Bromodichloromethane

Concen: 5.174 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

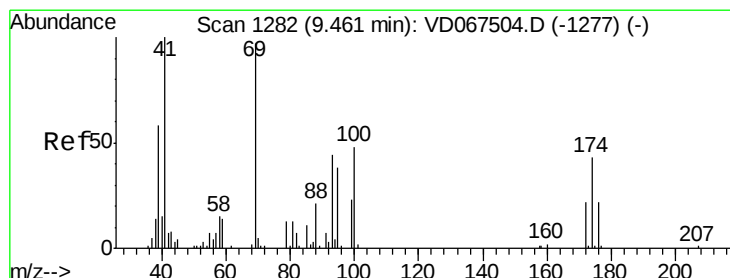
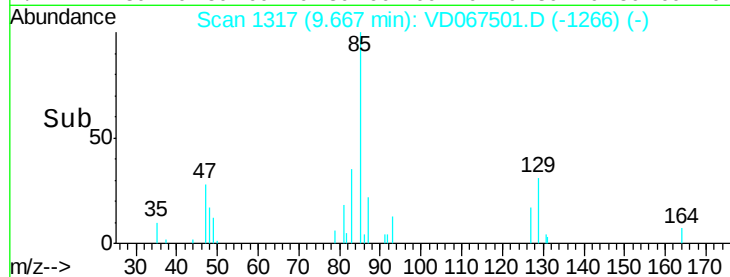
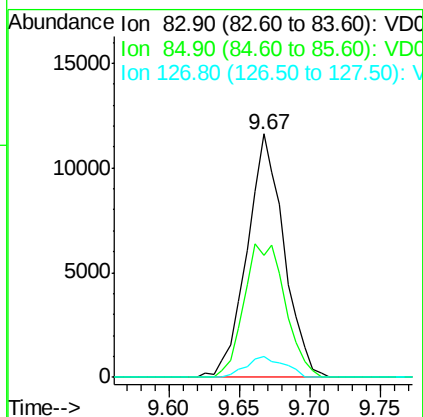
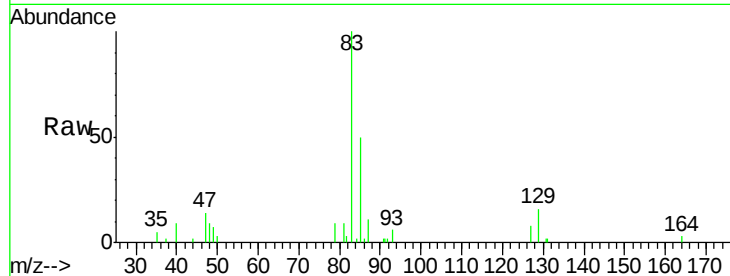
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21281
Ion	Ratio	Lower	Upper
83	100		
85	50.0	49.4	74.2
127	8.5	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM



#48

Methyl methacrylate

Concen: 5.113 ug/l

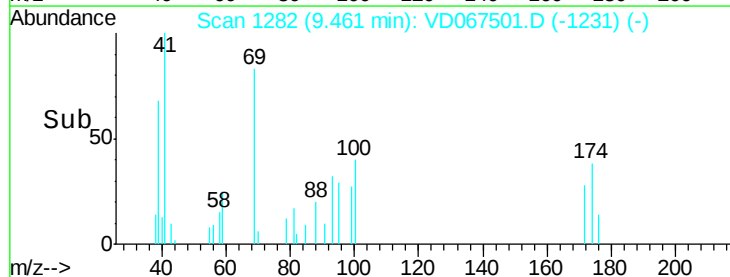
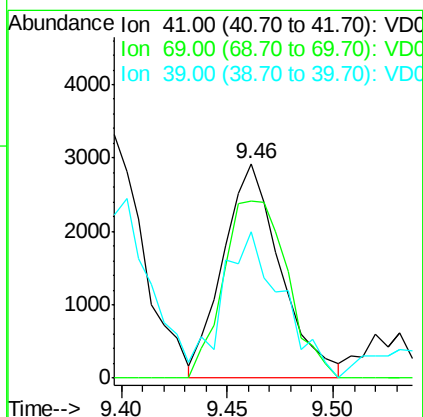
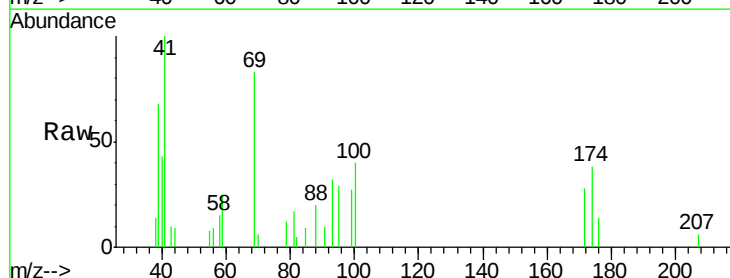
RT: 9.46 min Scan# 1282

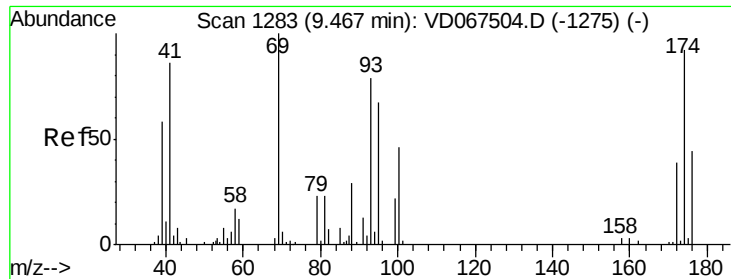
Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Tgt Ion:	41	Resp:	5509
Ion	Ratio	Lower	Upper
41	100		
69	92.8	80.6	121.0
39	70.3	50.2	75.4





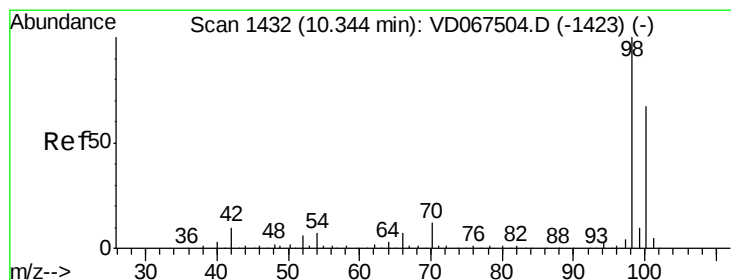
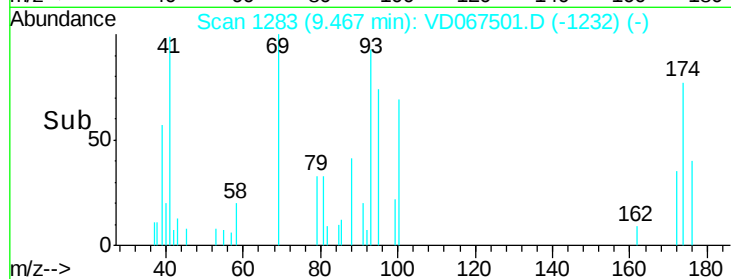
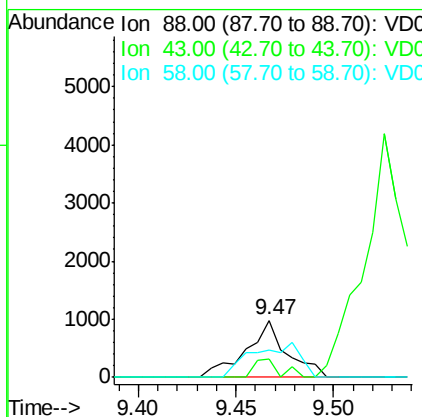
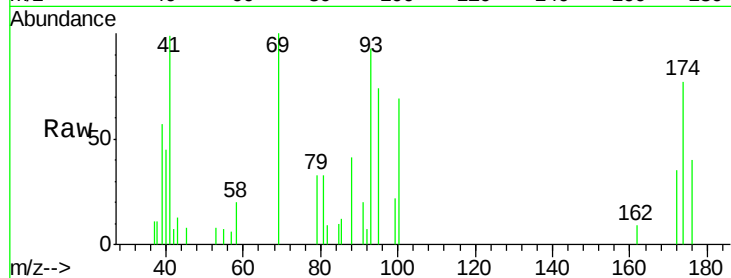
#49
1,4-Dioxane
Concen: 91.196 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	19.8	23.6	35.4#
58	72.4	44.7	67.1#

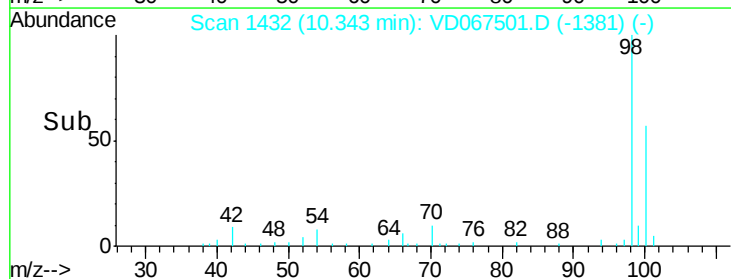
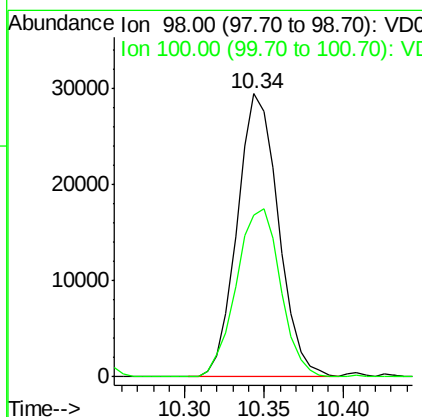
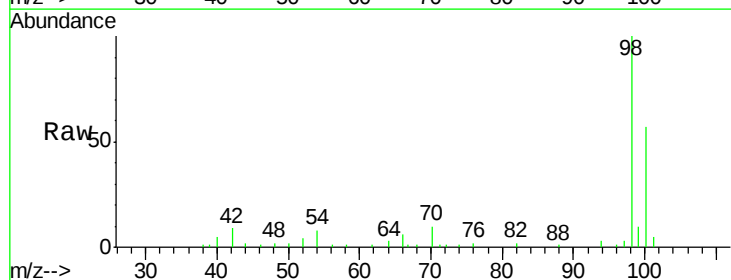
Manual Integrations
APPROVED

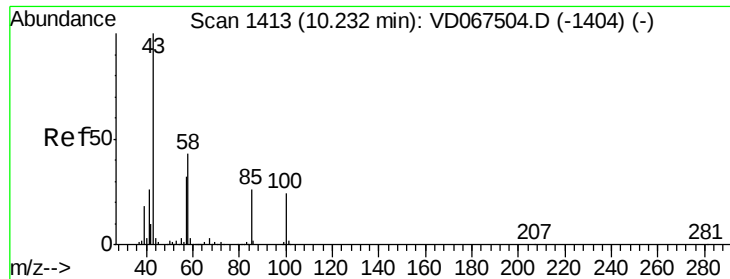
MMDadoda
11/4/2020 10:43:06 AM



#50
Toluene-d8
Concen: 5.281 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 23.984 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23934

Ion Ratio Lower Upper

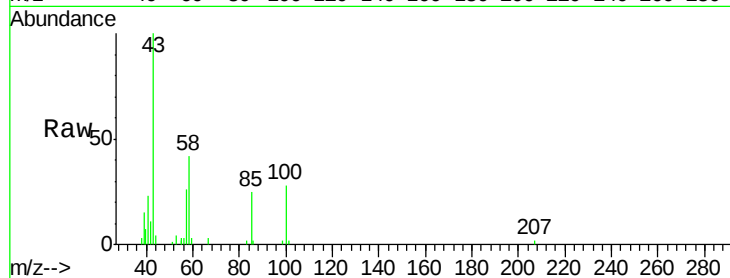
43 100

58 42.6 35.6 53.4

Manual Integrations
APPROVED

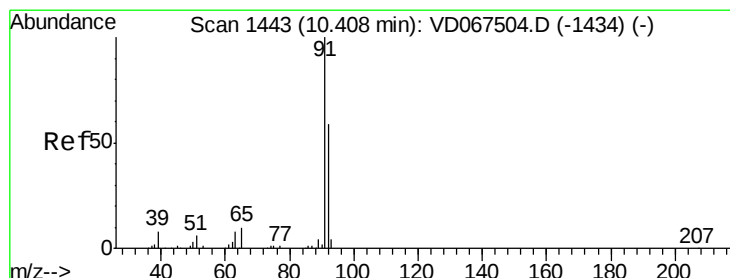
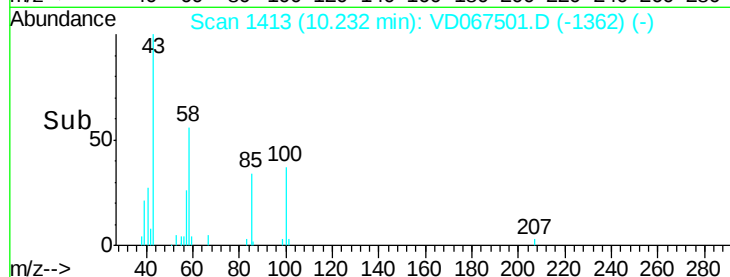
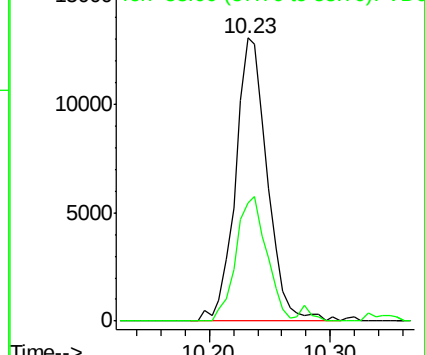
MMDadoda

11/4/2020 10:43:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 4.867 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067501.D

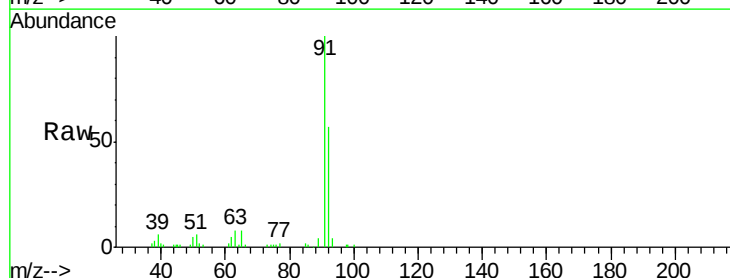
Acq: 03 Nov 2020 10:16

Tgt Ion: 92 Resp: 35889

Ion Ratio Lower Upper

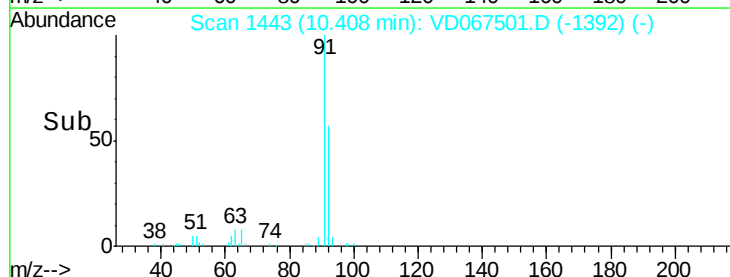
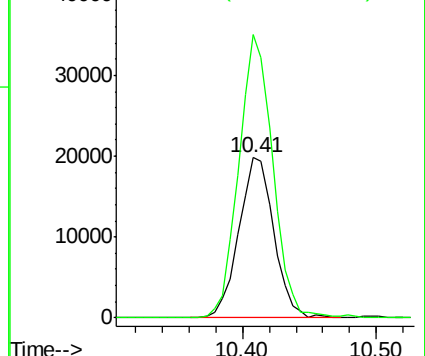
92 100

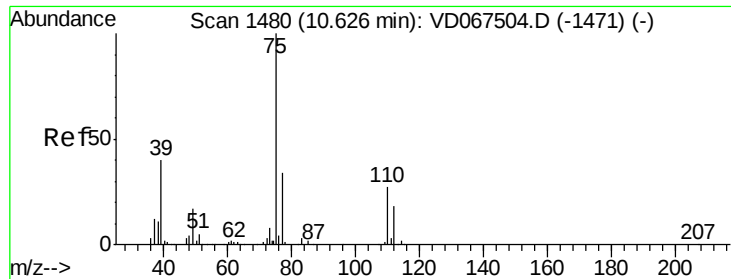
91 171.6 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





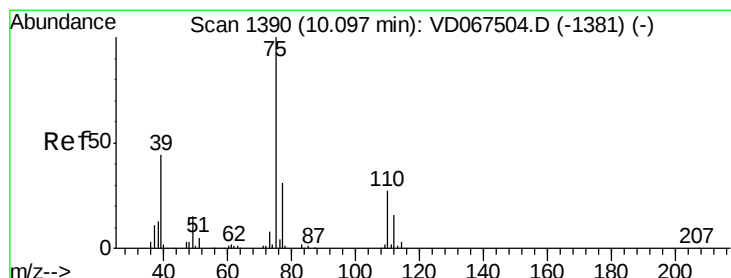
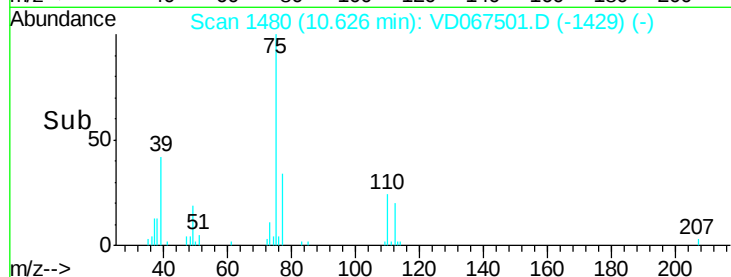
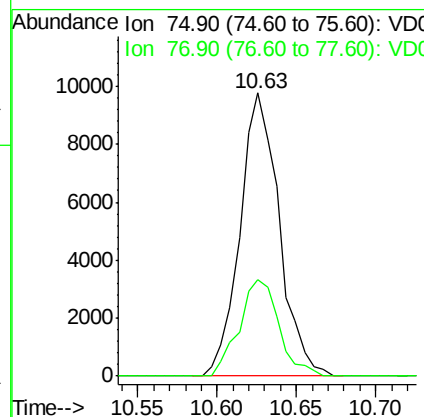
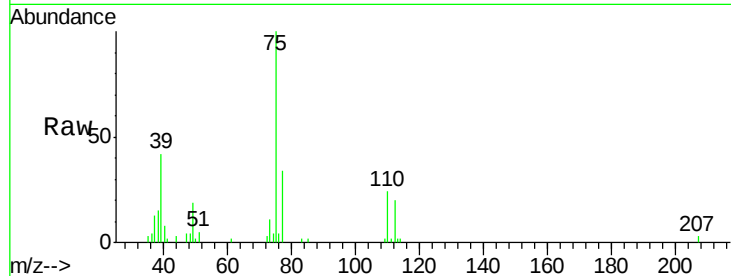
#53
 t-1,3-Dichloropropene
 Concen: 4.749 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 16731
 Ion Ratio Lower Upper
 75 100
 77 34.0 27.0 40.6

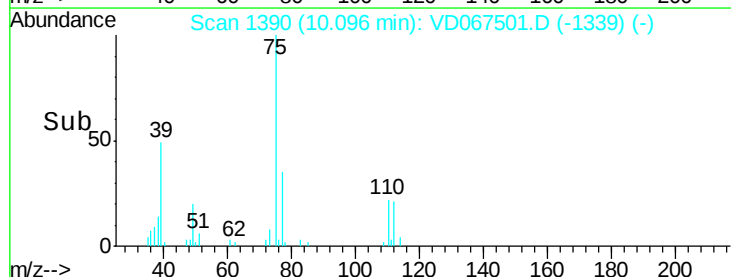
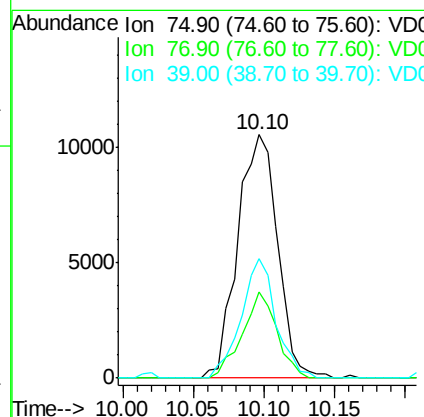
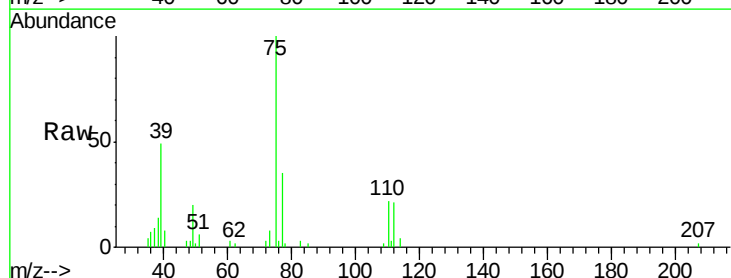
Manual Integrations
 APPROVED

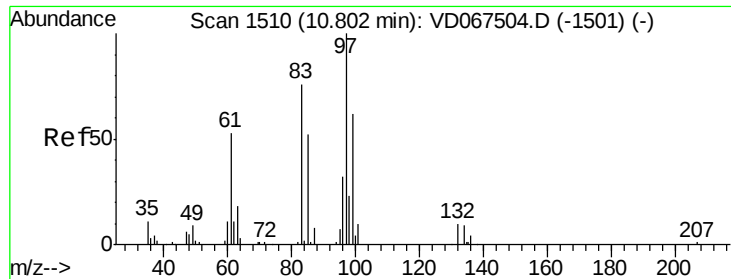
MMDadoda
 11/4/2020 10:43:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.979 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion: 75 Resp: 20838
 Ion Ratio Lower Upper
 75 100
 77 35.2 24.4 36.6
 39 48.9 35.6 53.4





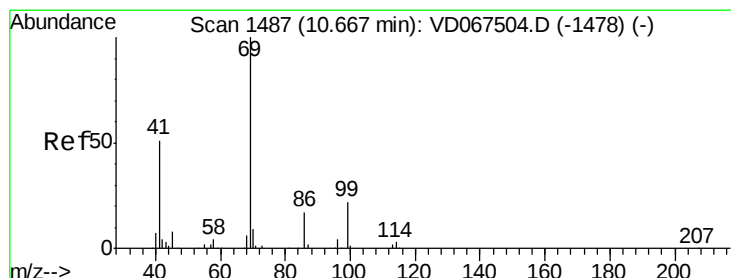
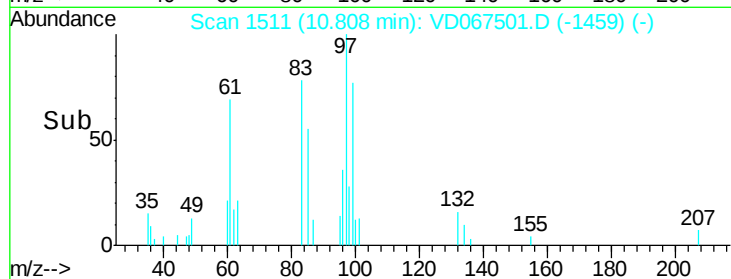
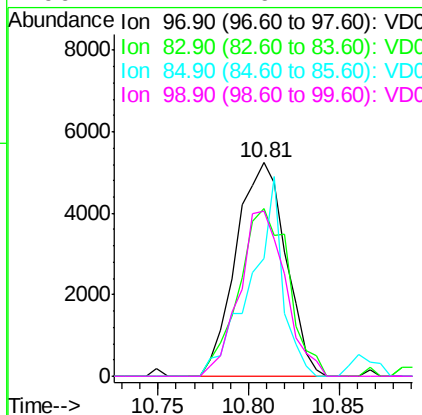
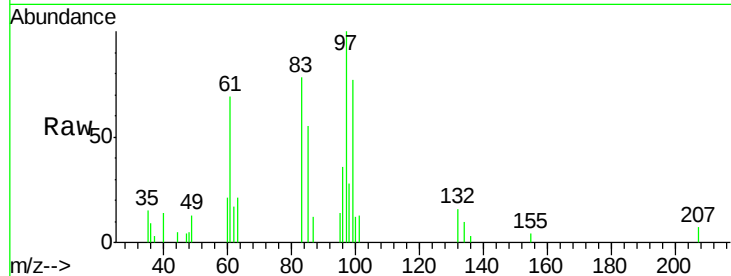
#55
 1,1,2-Trichloroethane
 Concen: 4.991 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9993
Ion	Ratio	Lower	Upper
97	100		
83	78.3	61.0	91.6
85	55.1	41.5	62.3
99	77.4	49.4	74.2#

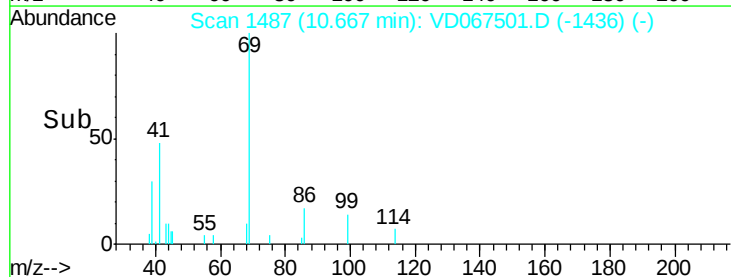
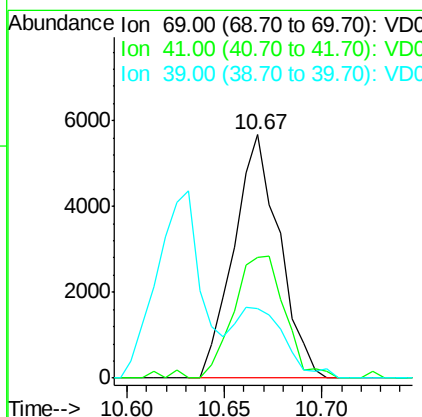
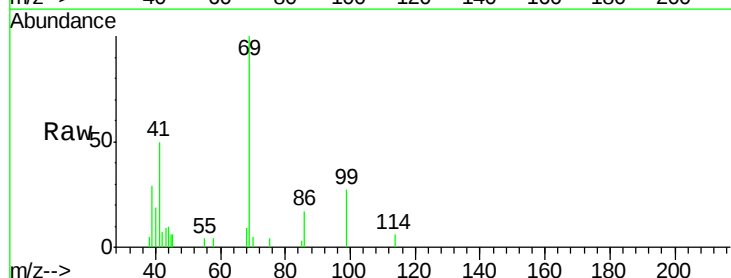
Manual Integrations
 APPROVED

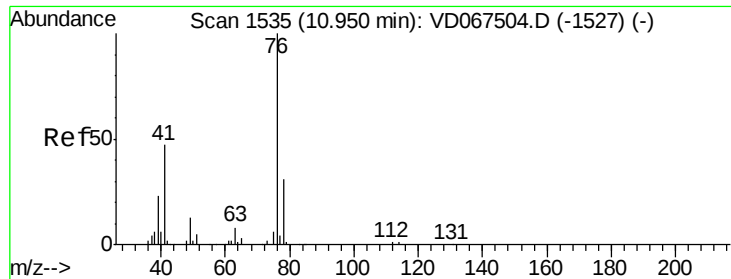
MMDadoda
 11/4/2020 10:43:06 AM



#56
 Ethyl methacrylate
 Concen: 4.433 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion:	69	Resp:	9165
Ion	Ratio	Lower	Upper
69	100		
41	56.1	45.4	68.0
39	32.1	27.4	41.0





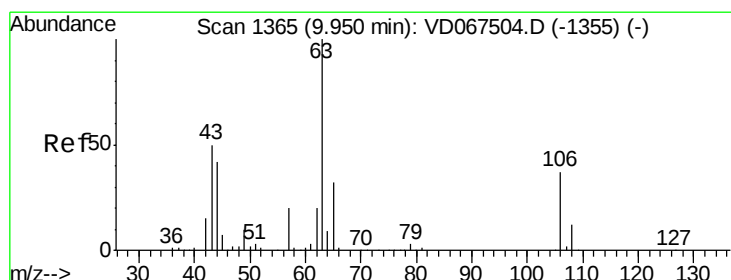
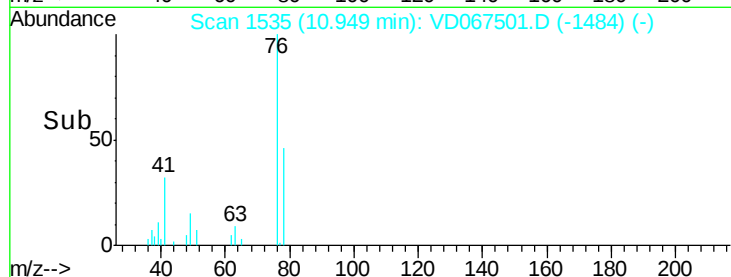
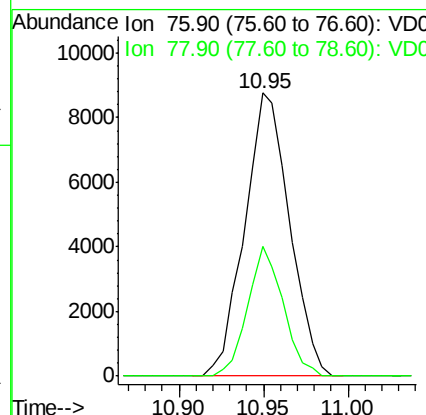
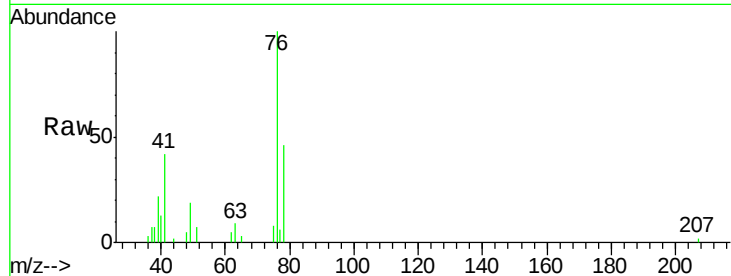
#57
 1,3-Dichloropropane
 Concen: 5.013 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	36.3	26.1	39.1

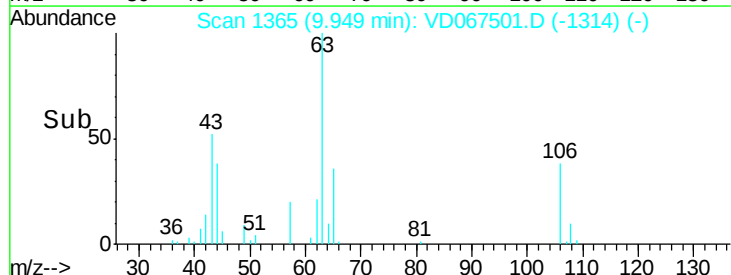
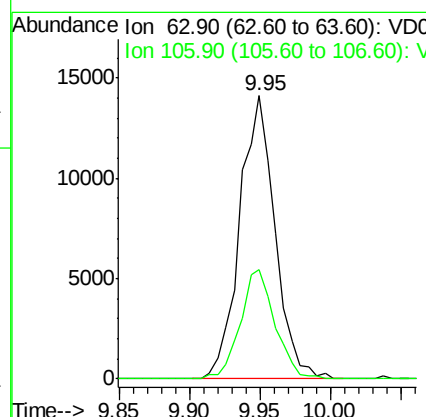
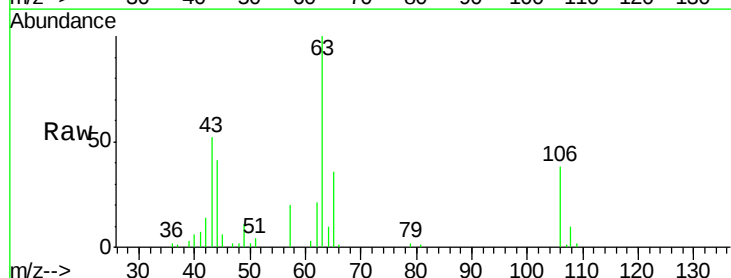
Manual Integrations
 APPROVED

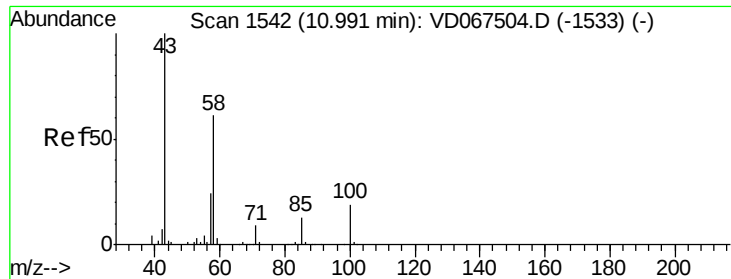
MMDadoda
 11/4/2020 10:43:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.543 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	38.0	29.2	43.8





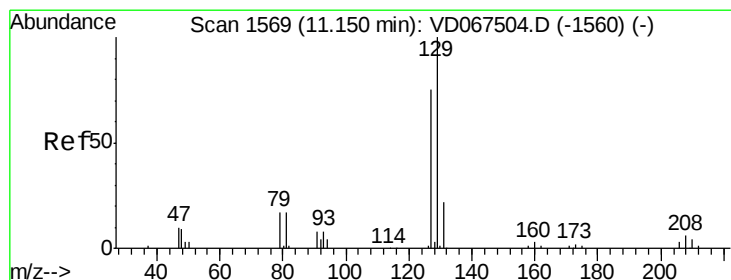
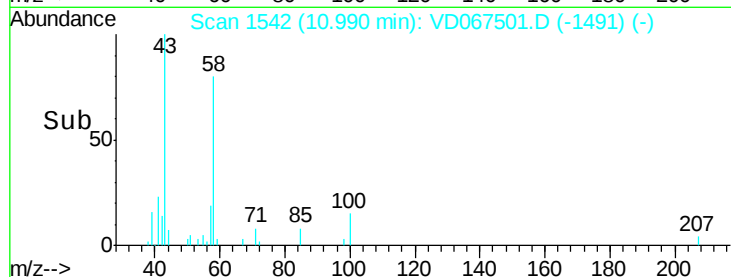
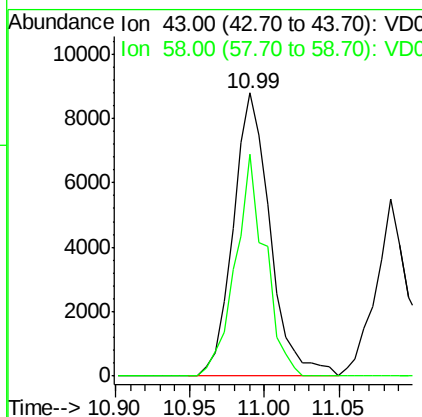
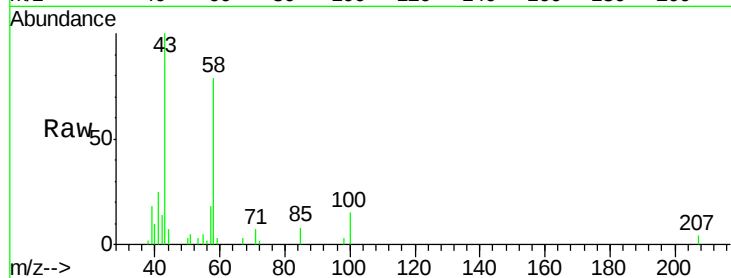
#59
2-Hexanone
Concen: 21.678 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	15126
Ion Ratio	43	100	
Lower	58	63.6	30.3
Upper			90.9

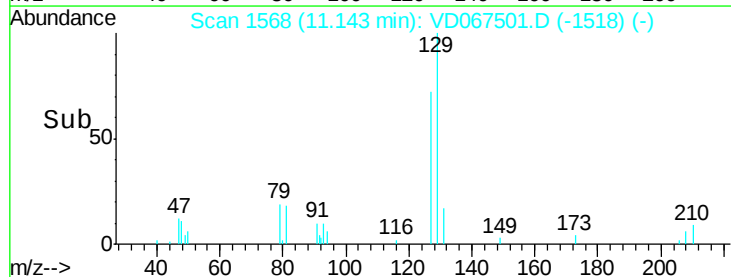
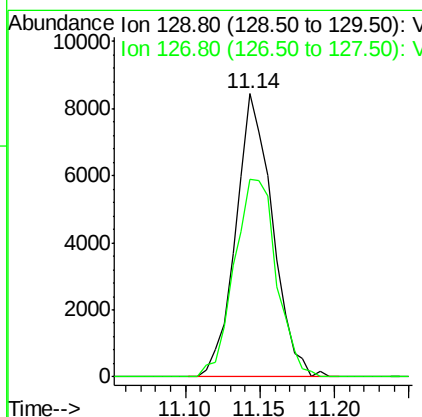
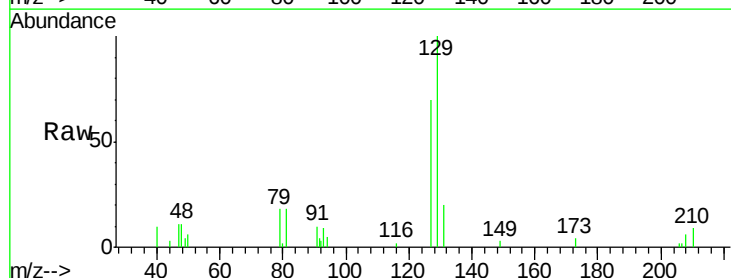
Manual Integrations
APPROVED

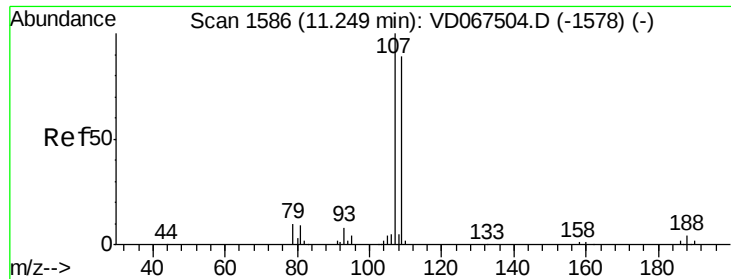
MMDadoda
11/4/2020 10:43:06 AM



#60
Dibromochloromethane
Concen: 4.855 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	129	Resp	14381
Ion Ratio	129	100	
Lower	127	80.3	38.0
Upper			114.1





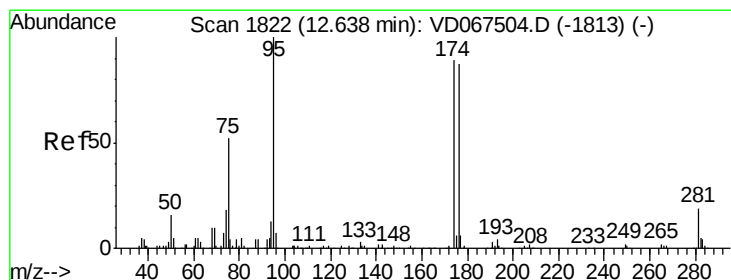
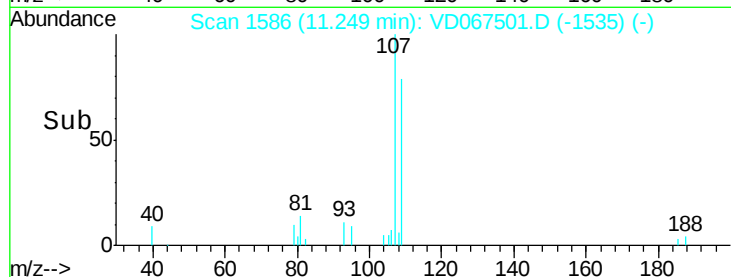
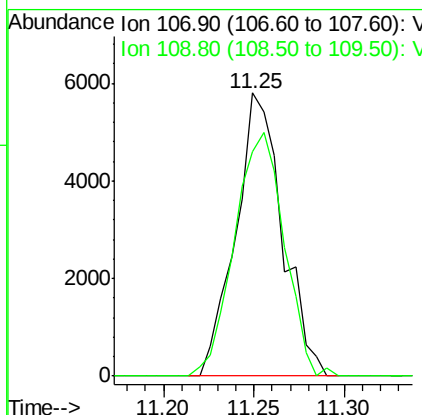
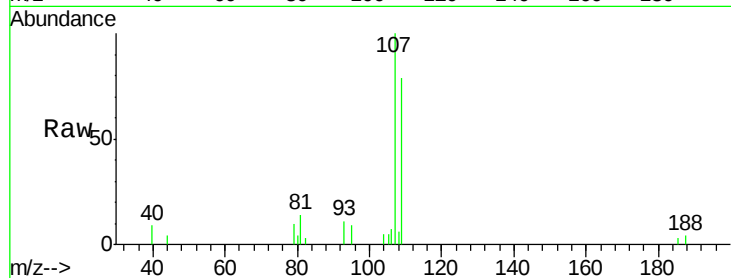
#61
 1,2-Dibromoethane
 Concen: 5.169 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	74.6	111.8

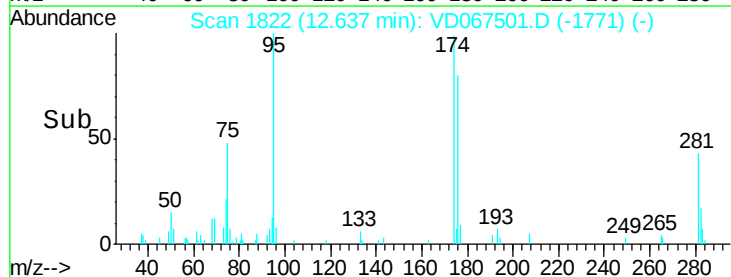
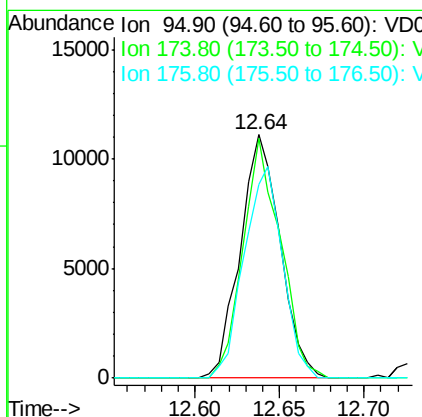
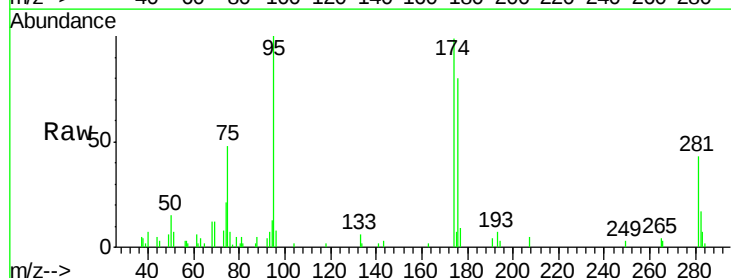
Manual Integrations
 APPROVED

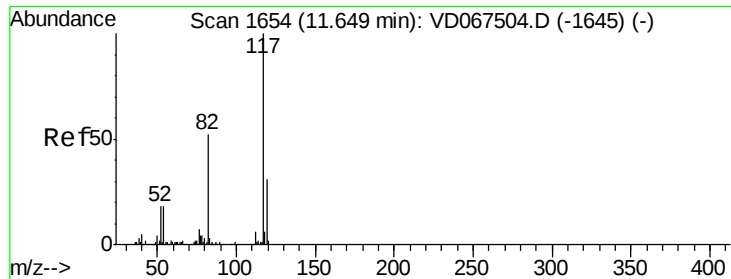
MMDadoda
 11/4/2020 10:43:06 AM



#62
 4-Bromofluorobenzene
 Concen: 5.278 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	177.8
176	83.6	0.0	172.0





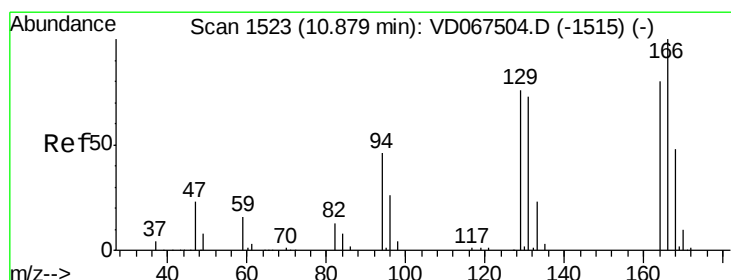
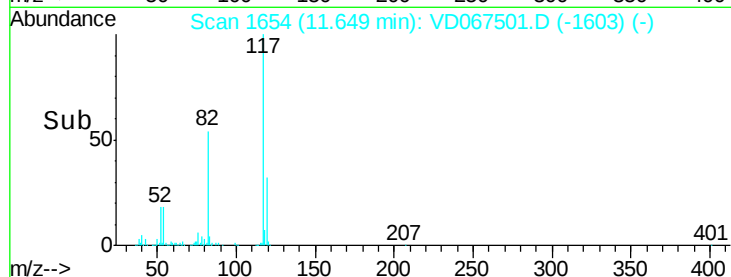
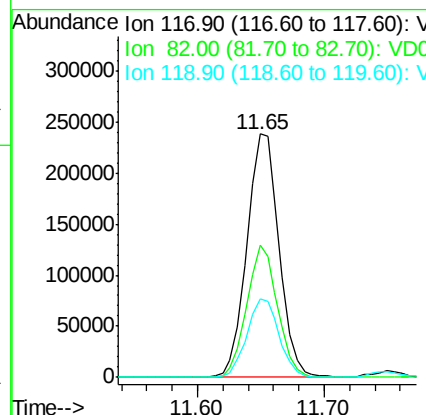
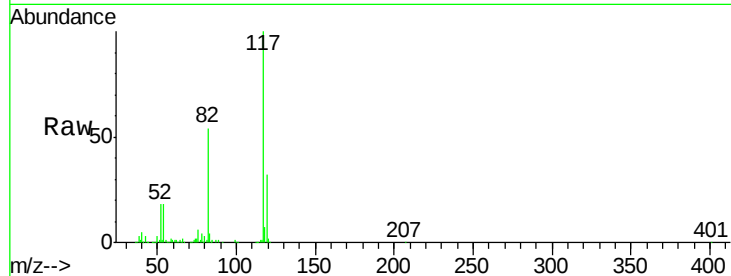
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	41.6	62.4
119	32.2	25.1	37.7

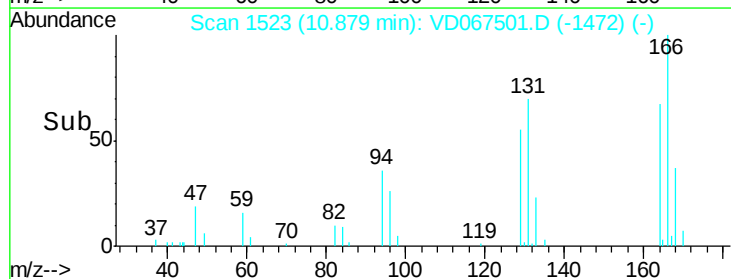
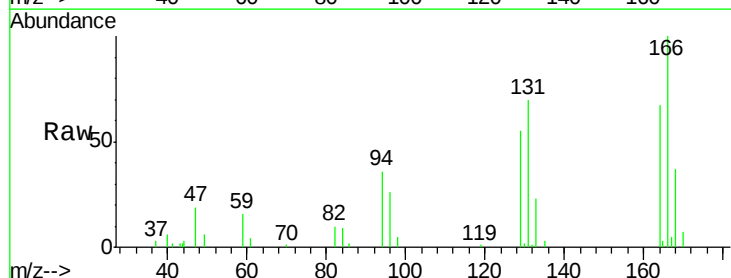
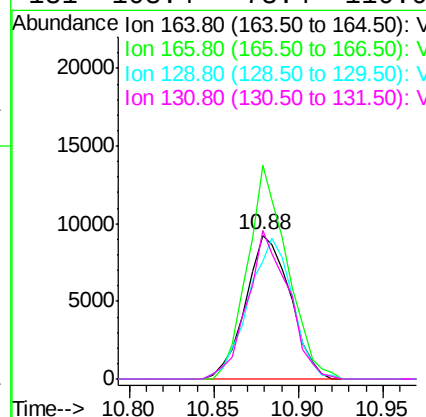
Manual Integrations
APPROVED

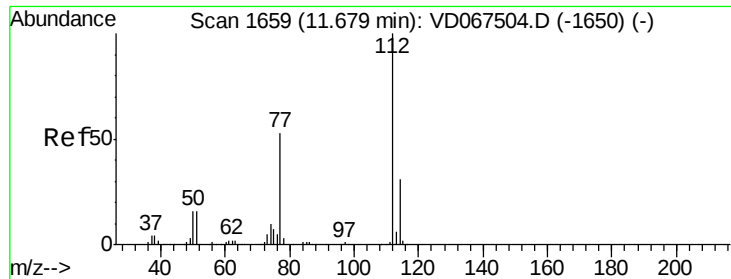
MMDadoda
11/4/2020 10:43:06 AM



#64
Tetrachloroethene
Concen: 5.442 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	148.7	99.9	149.9
129	82.2	75.5	113.3
131	103.4	73.4	110.0





#65

Chlorobenzene

Concen: 5.175 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 41847

Ion Ratio Lower Upper

112 100

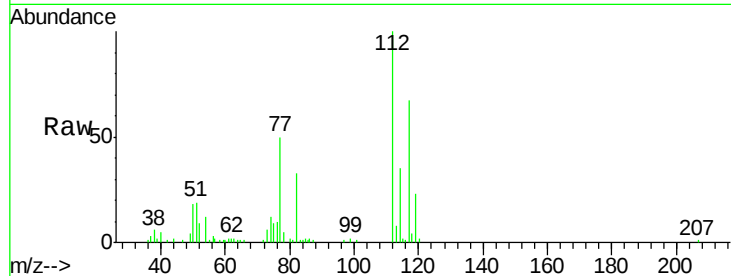
114 34.9 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

11/4/2020 10:43:06 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

25000

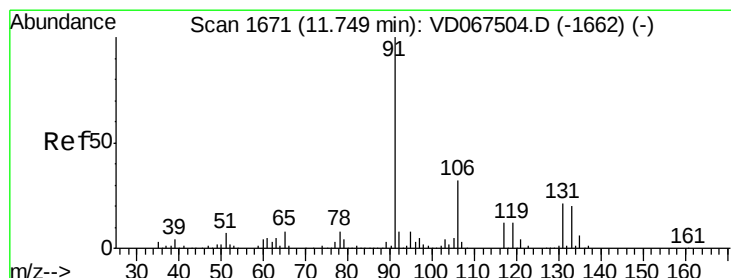
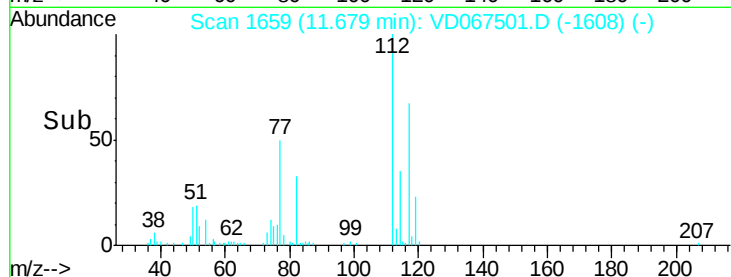
20000

15000

10000

5000

Time--> 11.60 11.65 11.70 11.75



#66

1,1,1,2-Tetrachloroethane

Concen: 5.264 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

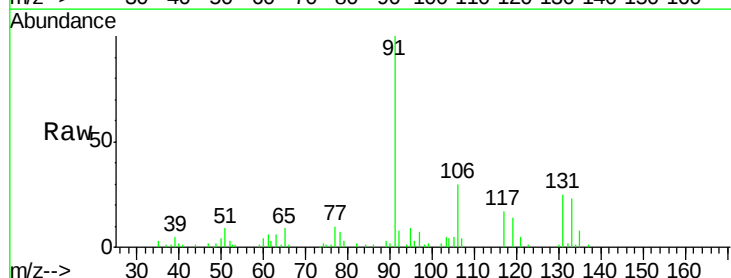
Tgt Ion:131 Resp: 16777

Ion Ratio Lower Upper

131 100

133 98.2 48.0 144.0

119 61.1 30.1 90.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

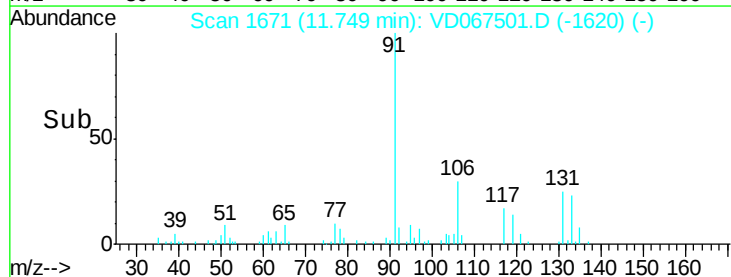
80000

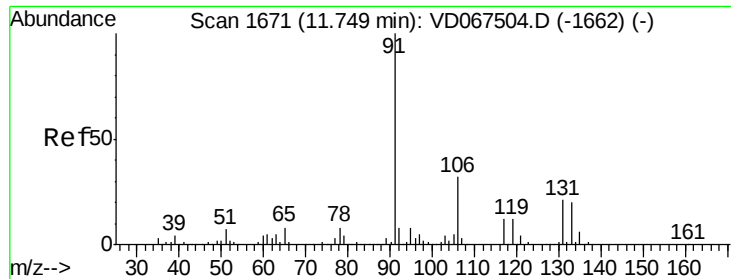
60000

40000

20000

Time--> 11.70 11.75 11.80





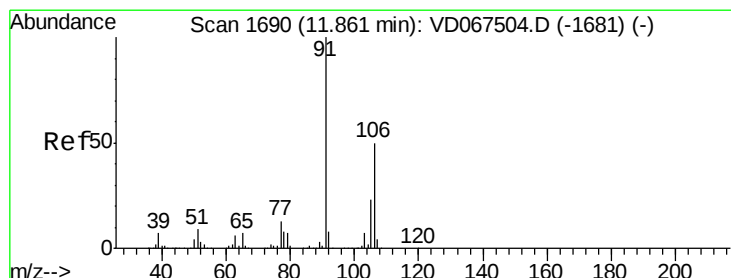
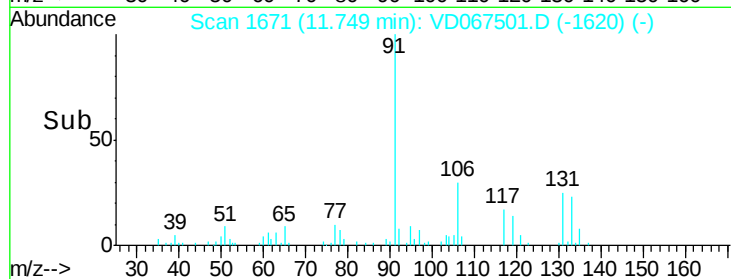
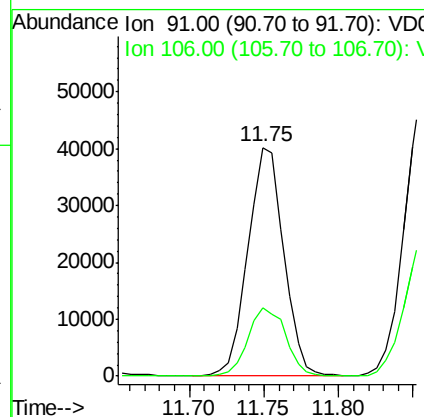
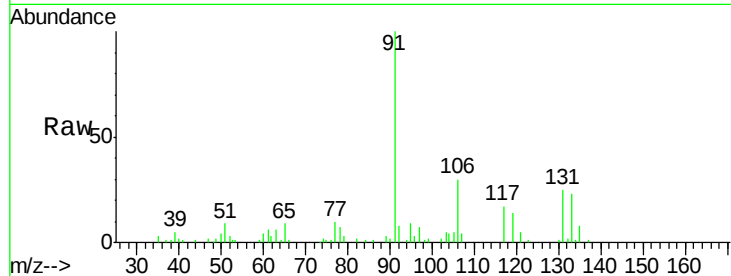
#67
Ethyl Benzene
Concen: 4.823 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.7	38.5

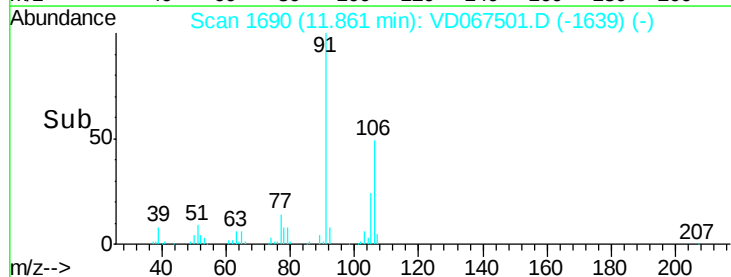
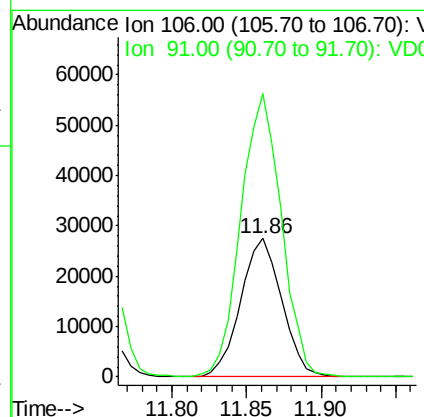
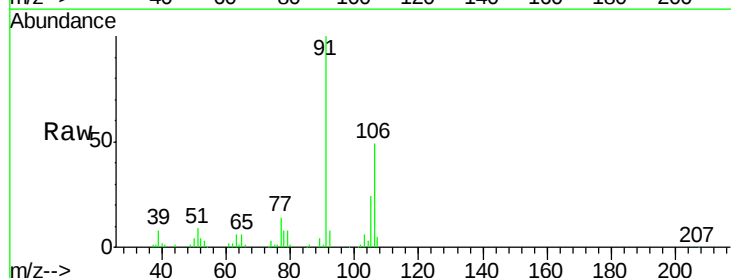
Manual Integrations
APPROVED

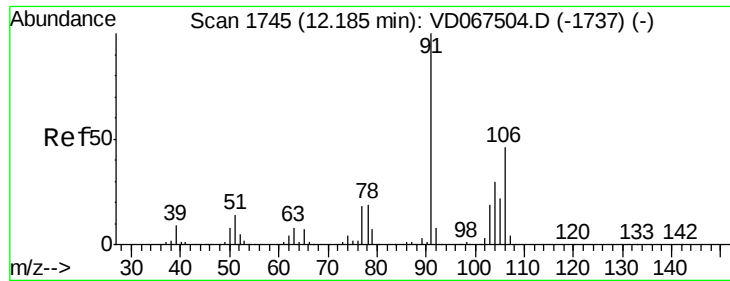
MMDadoda
11/4/2020 10:43:06 AM



#68
m/p-Xylenes
Concen: 9.750 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.0	162.6	244.0





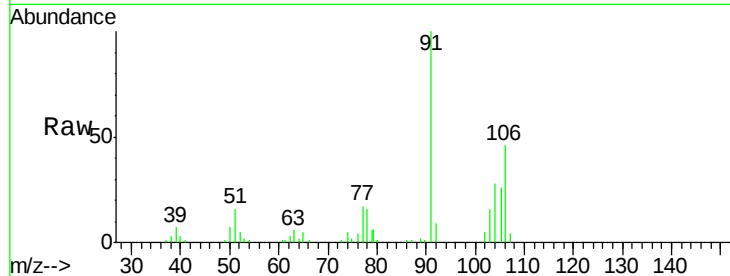
#69
o-Xylene
Concen: 4.690 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

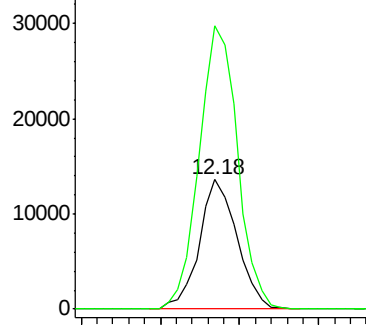
Tot Ion:106 Resp: 22542
Ion Ratio Lower Upper
106 100
91 221.7 107.1 321.1

Manual Integrations
APPROVED

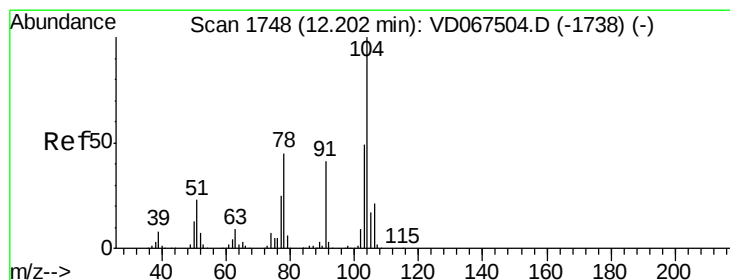
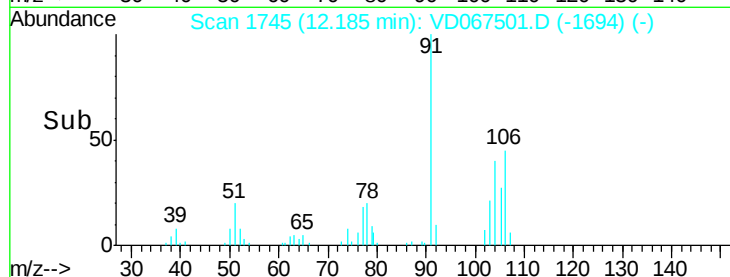
MMDadoda
11/4/2020 10:43:06 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

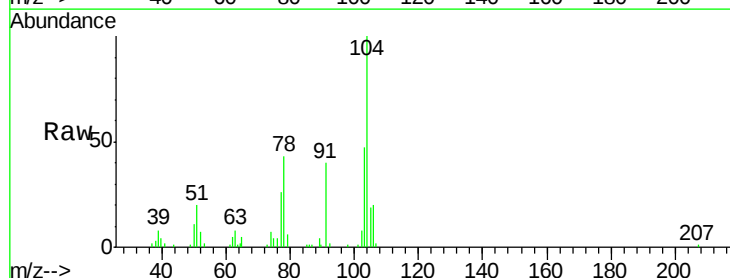


Time--> 12.10 12.15 12.20 12.25

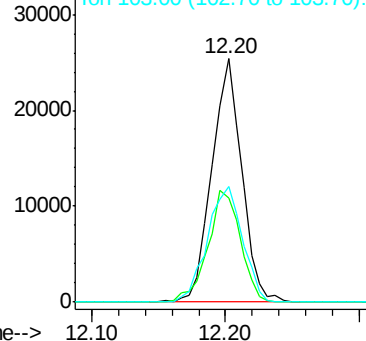


#70
Styrene
Concen: 4.681 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

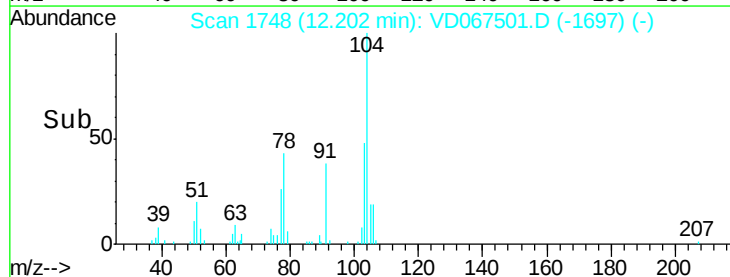
Tgt Ion:104 Resp: 39201
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.8
103 55.7 43.9 65.9

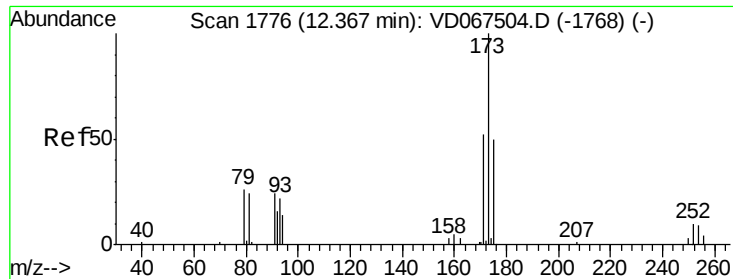


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20





#71

Bromoform

Concen: 4.848 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7879

Ion Ratio Lower Upper

173 100

175 55.4 24.1 72.2

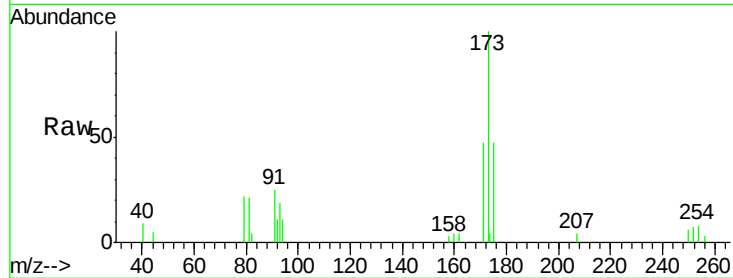
254 0.7 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

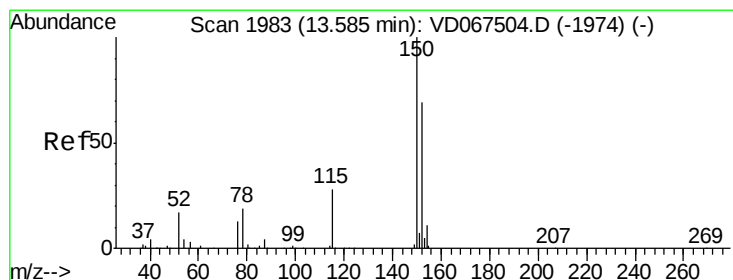
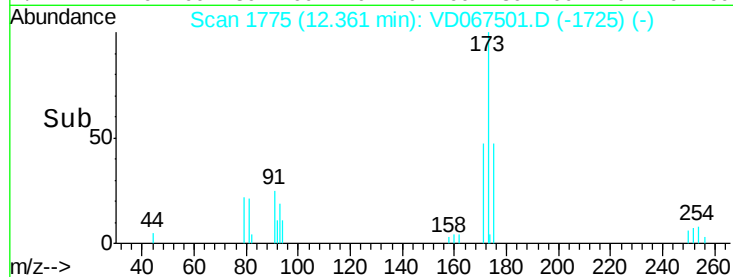
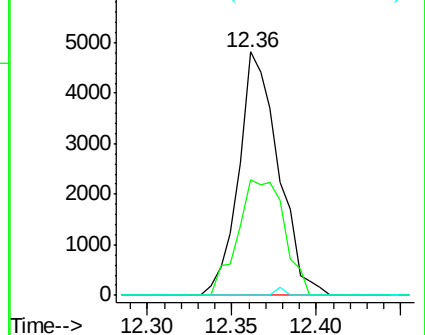
11/4/2020 10:43:06 AM



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: VD067501.D

Acq: 03 Nov 2020 10:16

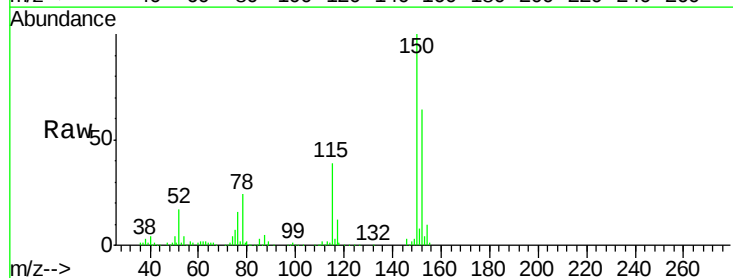
Tgt Ion:152 Resp: 214434

Ion Ratio Lower Upper

152 100

115 59.0 29.3 88.0

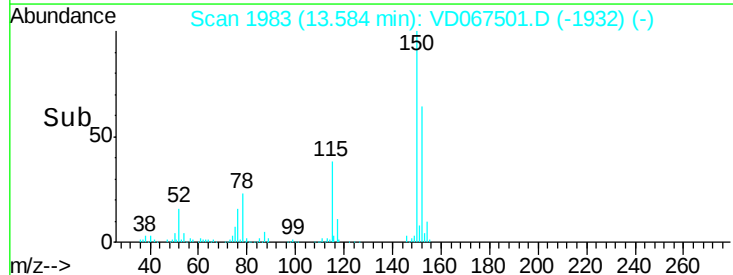
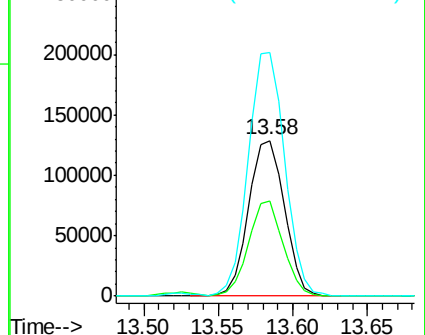
150 159.0 0.0 338.2

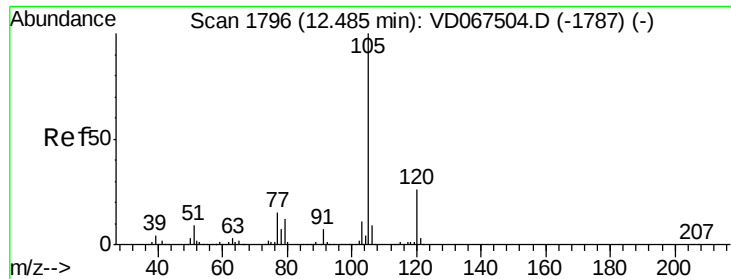


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





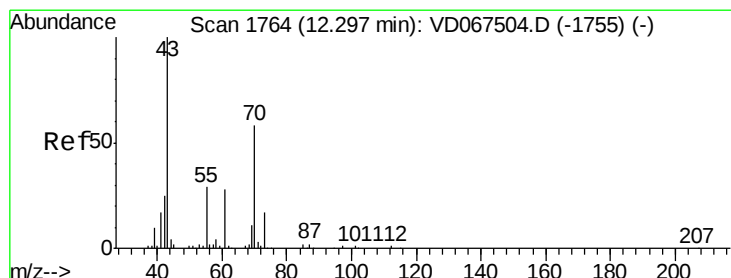
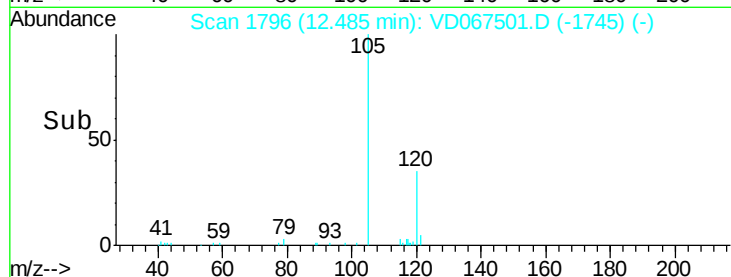
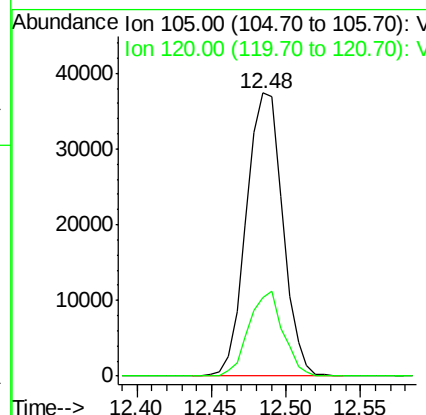
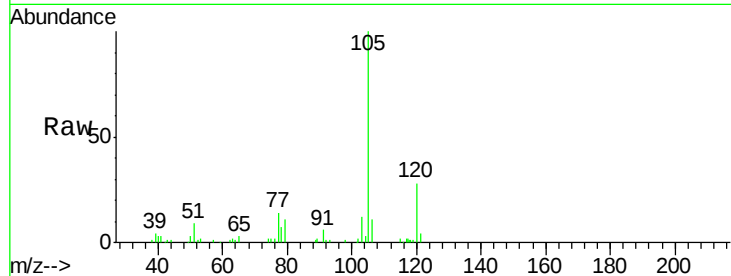
#73
Isopropylbenzene
Concen: 4.556 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.2	39.6

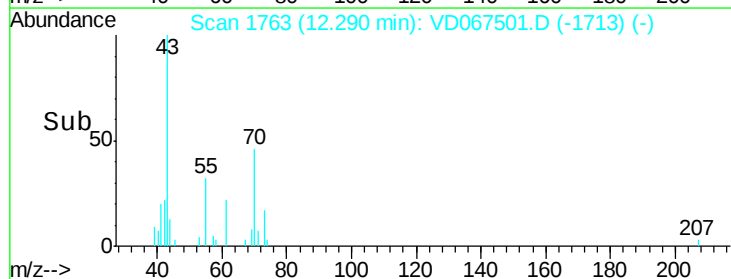
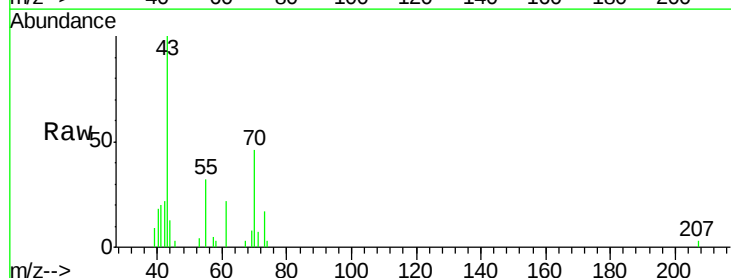
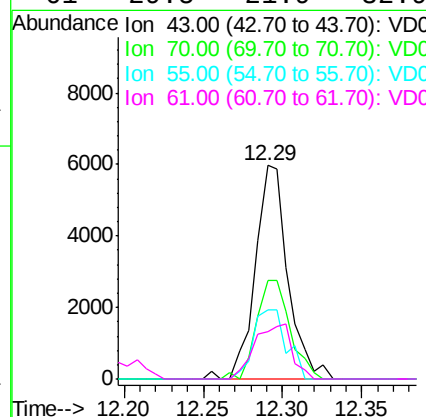
Manual Integrations
APPROVED

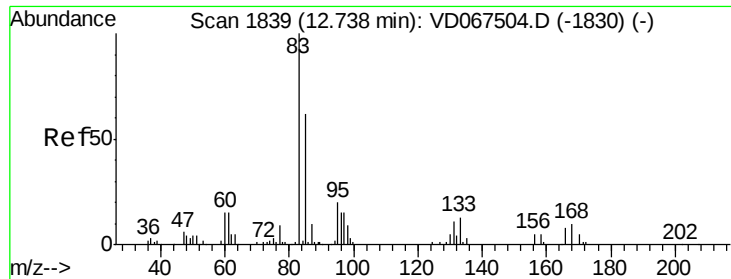
MMDadoda
11/4/2020 10:43:06 AM



#74
N-ethyl acetate
Concen: 4.677 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.7	42.6	64.0
55	33.0	23.7	35.5
61	29.5	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.222 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

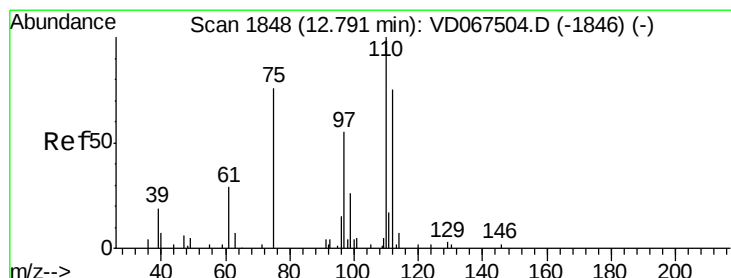
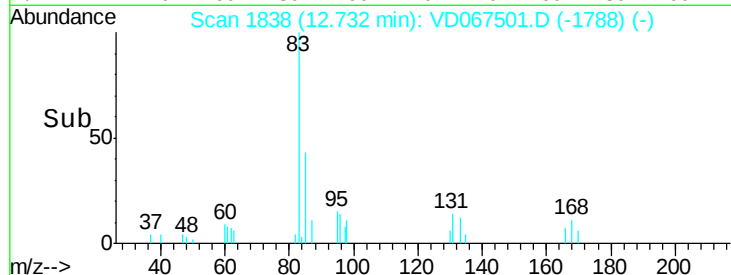
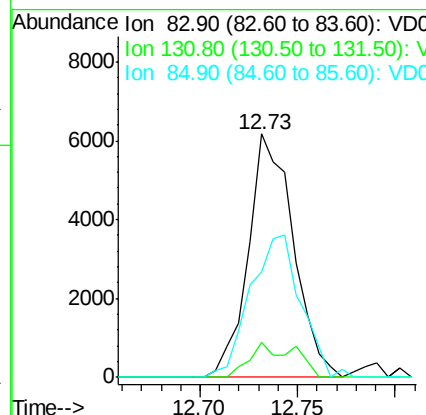
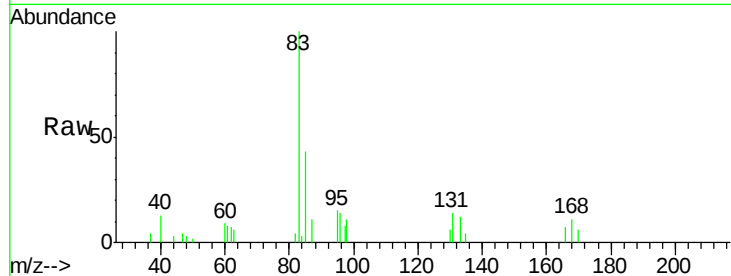
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9869
Ion Ratio	Lower	Upper	
83	100		
131	13.9	7.1	21.3
85	65.6	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM



#76

1,2,3-Trichloropropane

Concen: 3.766 ug/l m

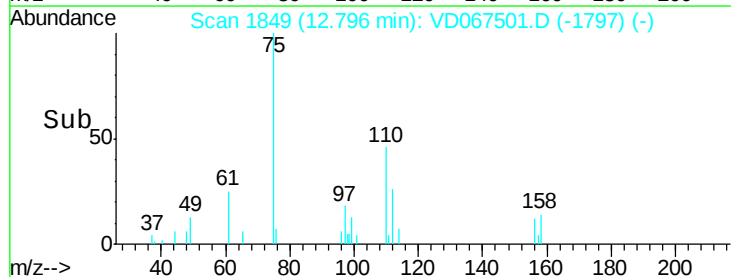
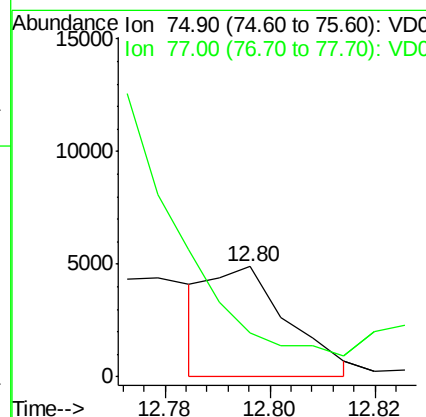
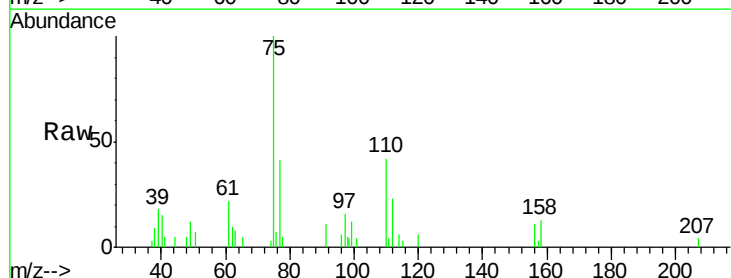
RT: 12.80 min Scan# 1849

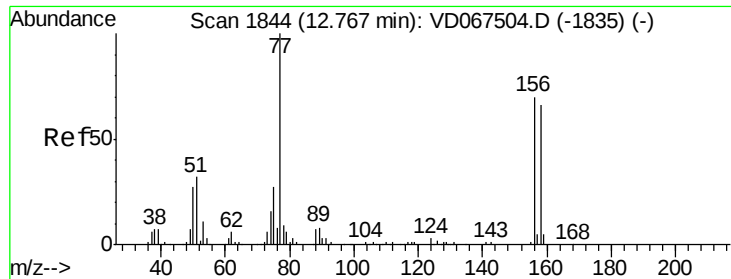
Delta R.T. 0.01 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Tgt Ion:	75	Resp:	5093
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.961 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

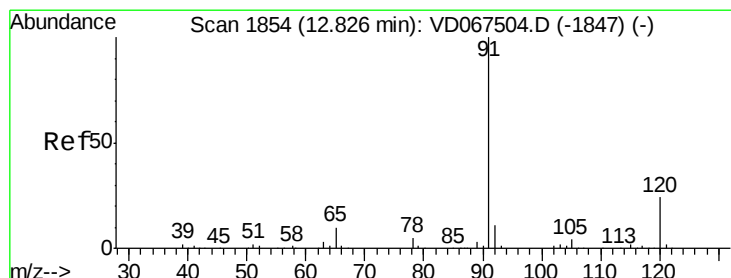
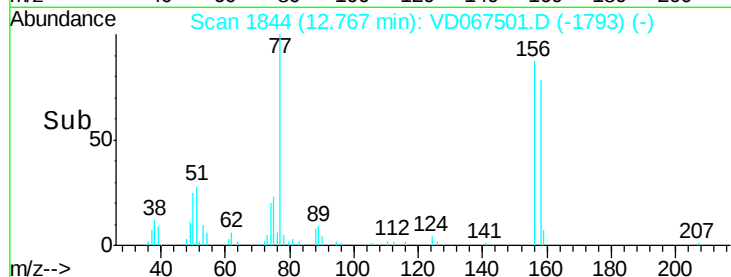
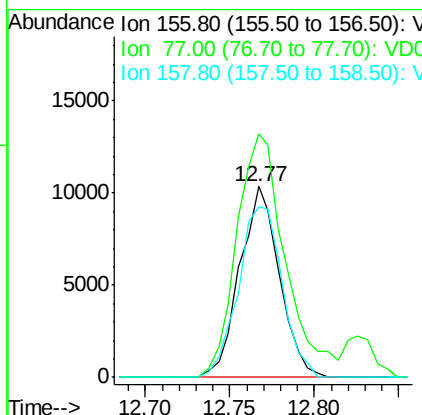
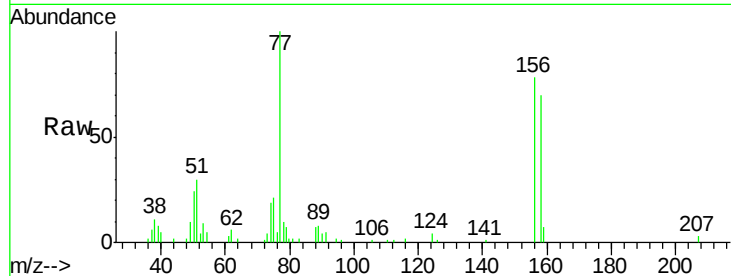
VSTDIC005

Tot Ion:156 Resp: 16885

Ion	Ratio	Lower	Upper
156	100		
77	156.3	77.8	233.5
158	98.9	47.9	143.7

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM



#78

n-propylbenzene

Concen: 4.663 ug/l

RT: 12.83 min Scan# 1854

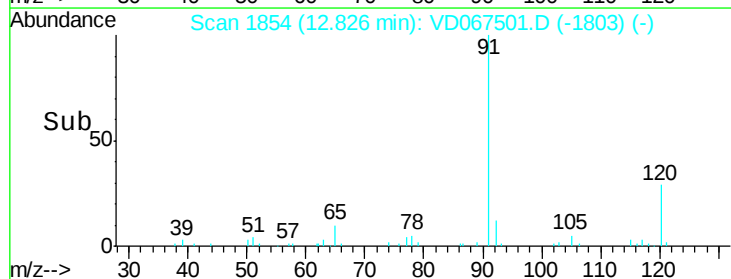
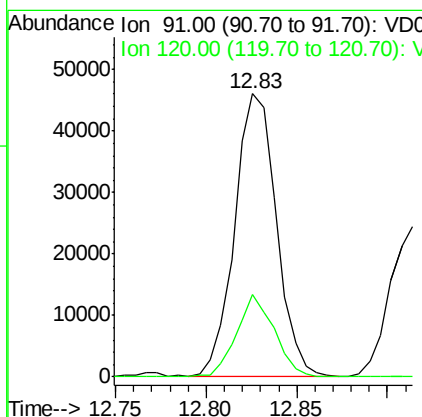
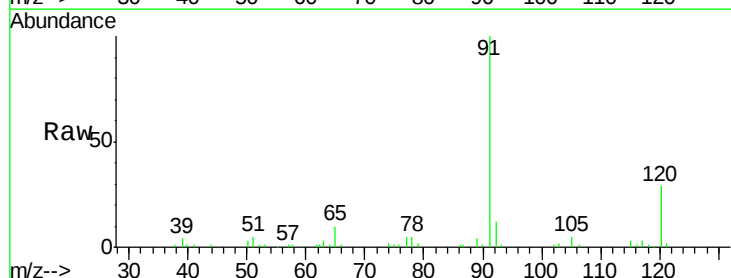
Delta R.T. -0.00 min

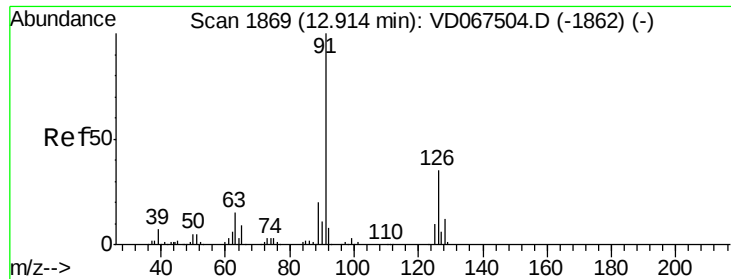
Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Tgt Ion: 91 Resp: 73916

Ion	Ratio	Lower	Upper
91	100		
120	26.3	12.2	36.4





#79

2-Chlorotoluene

Concen: 4.723 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 42532

Ion Ratio Lower Upper

91 100

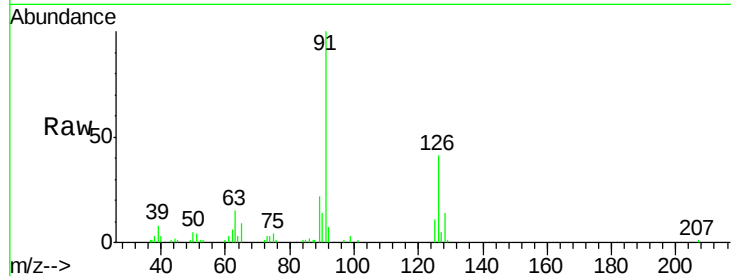
126 37.7 17.8 53.4

Manual Integrations

APPROVED

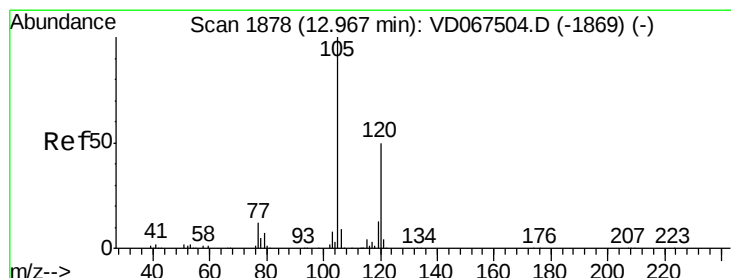
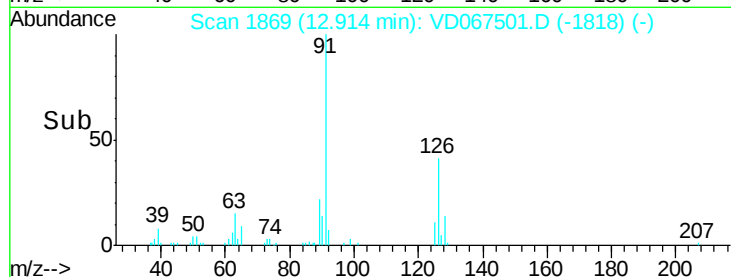
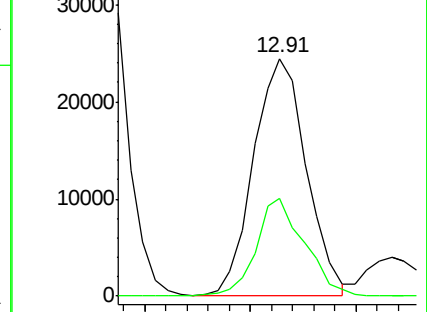
MMDadoda

11/4/2020 10:43:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VD067501.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD067501.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.526 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067501.D

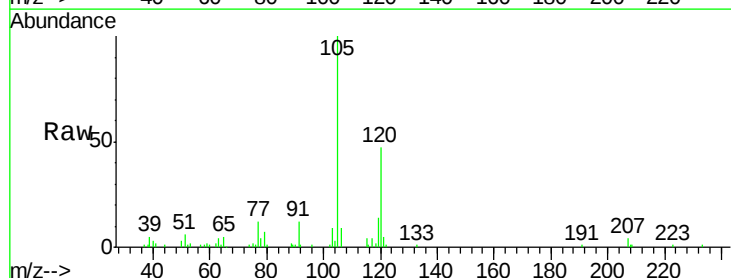
Acq: 03 Nov 2020 10:16

Tgt Ion: 105 Resp: 53581

Ion Ratio Lower Upper

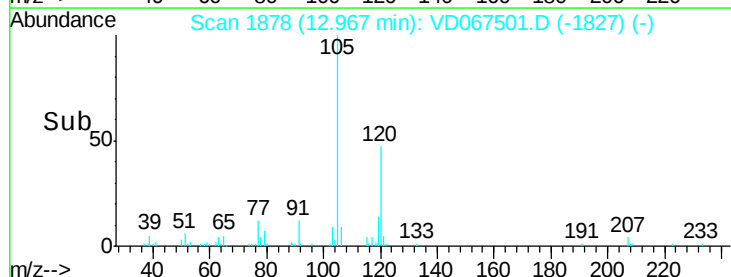
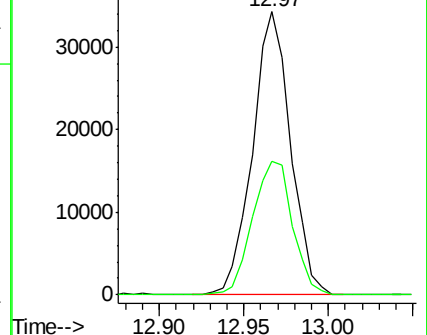
105 100

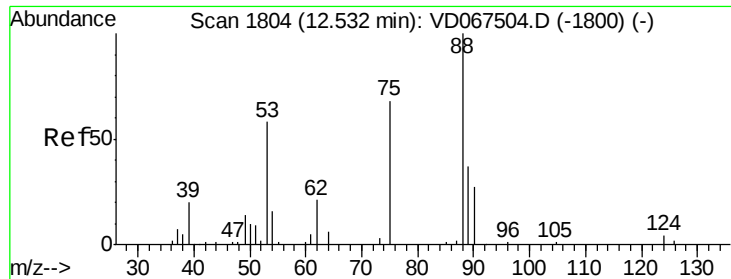
120 49.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067501.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD067501.D (-1827) (-)





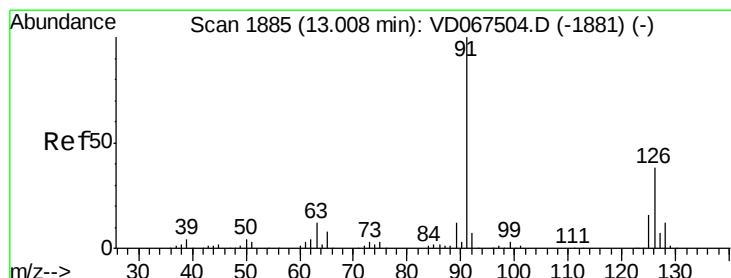
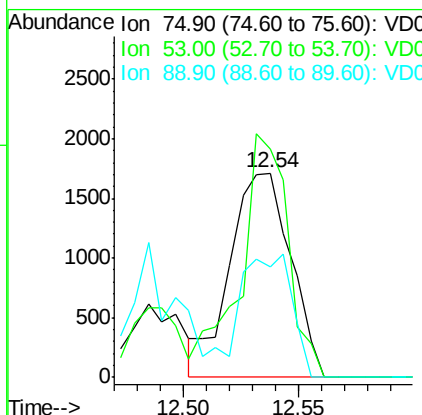
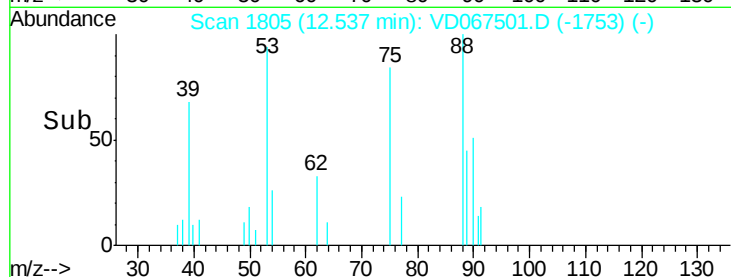
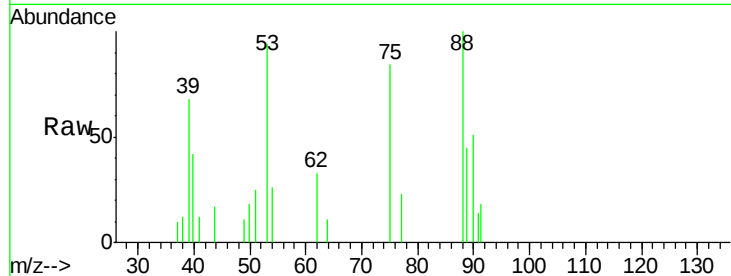
#81
trans-1,4-Dichloro-2-butene
Concen: 4.930 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 3141
Ion Ratio Lower Upper
75 100
53 94.4 75.9 113.9
89 48.2 44.6 67.0

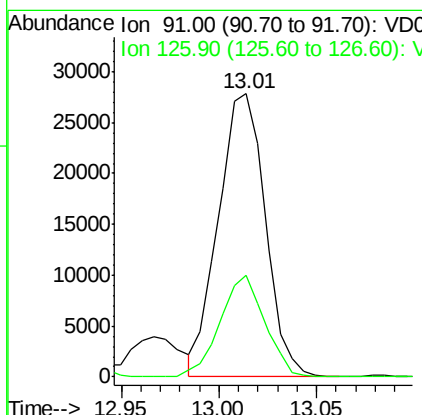
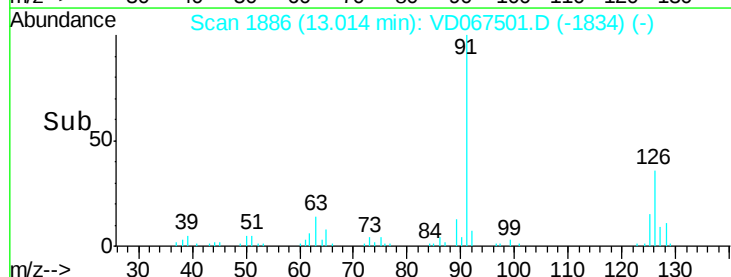
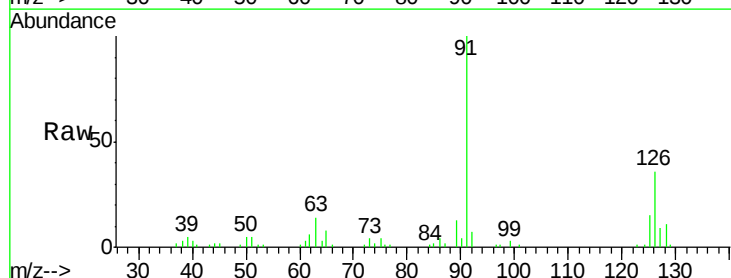
Manual Integrations
APPROVED

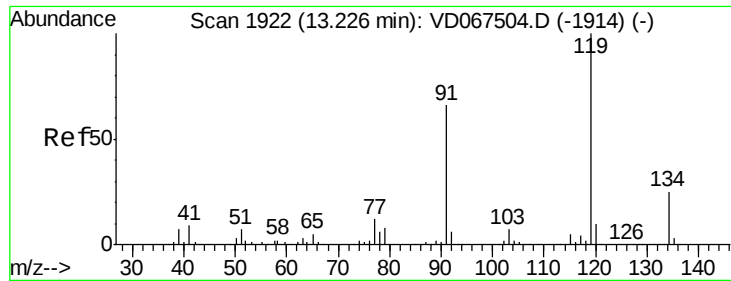
MMDadoda
11/4/2020 10:43:06 AM



#82
4-Chlorotoluene
Concen: 4.804 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion: 91 Resp: 46398
Ion Ratio Lower Upper
91 100
126 34.0 17.9 53.7





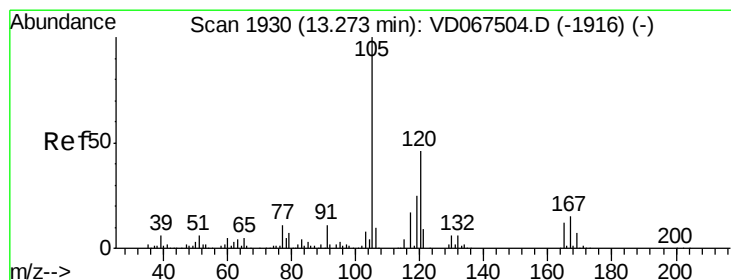
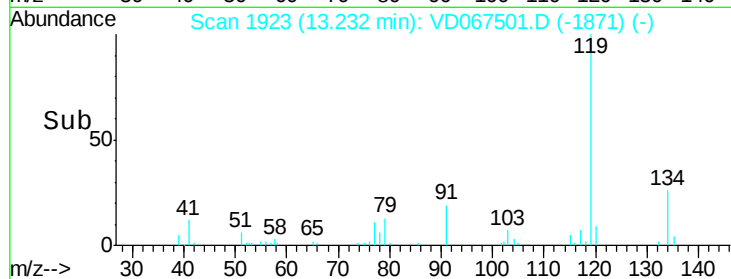
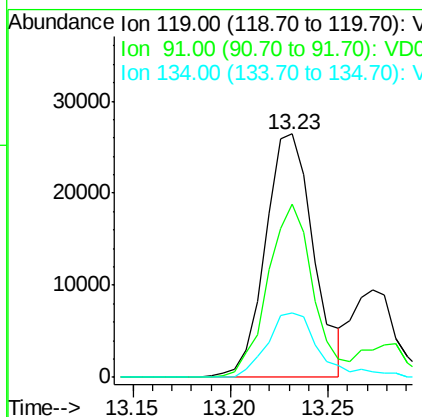
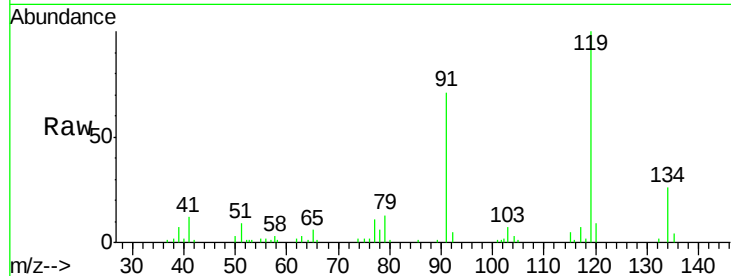
#83
tert-Butylbenzene
Concen: 4.521 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	32.7	98.1
134	28.5	13.4	40.2

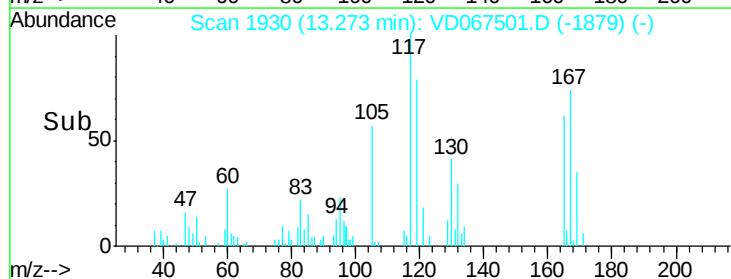
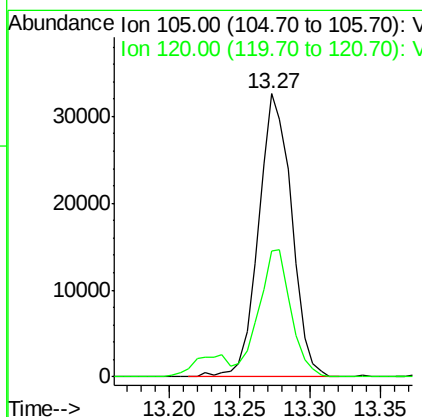
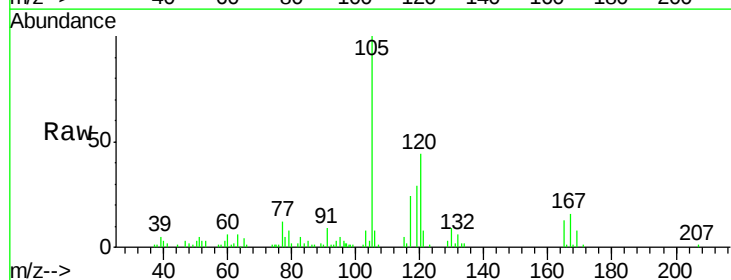
Manual Integrations
APPROVED

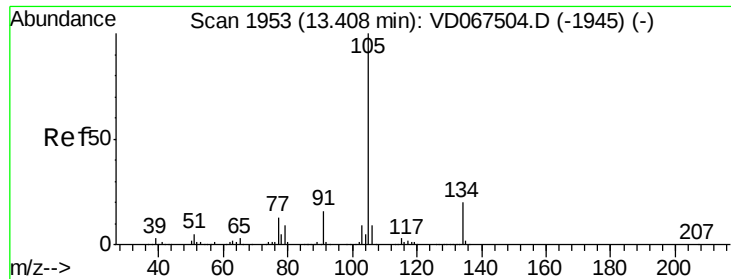
MMDadoda
11/4/2020 10:43:06 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.559 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85

sec-Butylbenzene

Concen: 4.632 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 62735

Ion Ratio Lower Upper

105 100

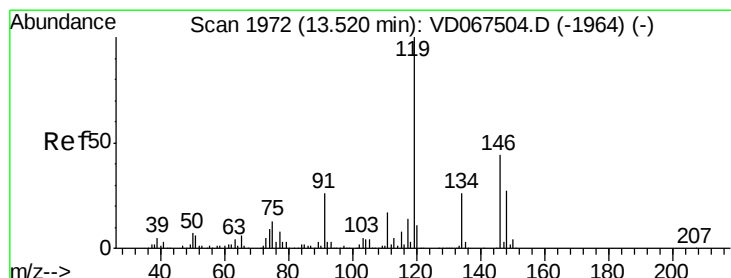
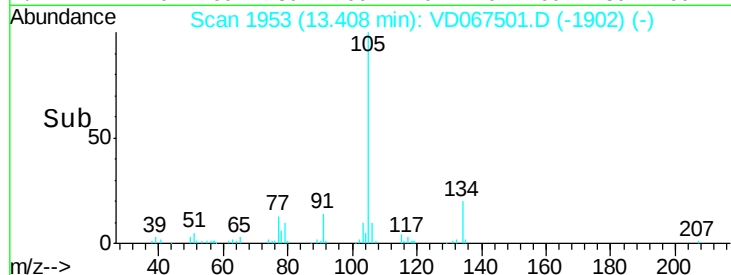
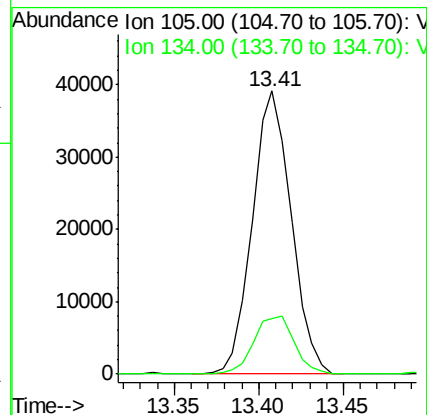
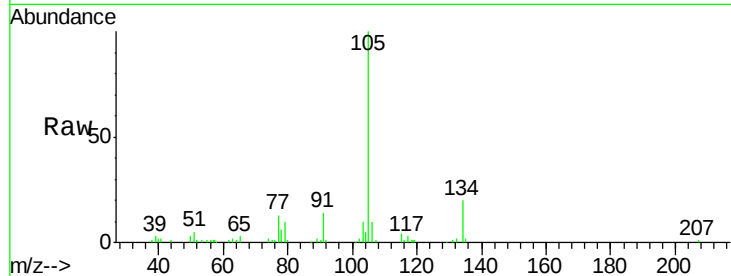
134 21.2 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

11/4/2020 10:43:06 AM



#86

p-Isopropyltoluene

Concen: 4.616 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067501.D

Acq: 03 Nov 2020 10:16

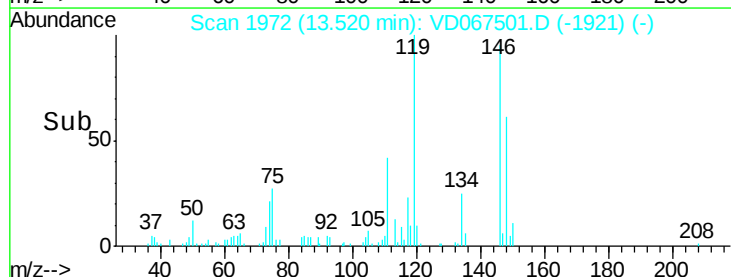
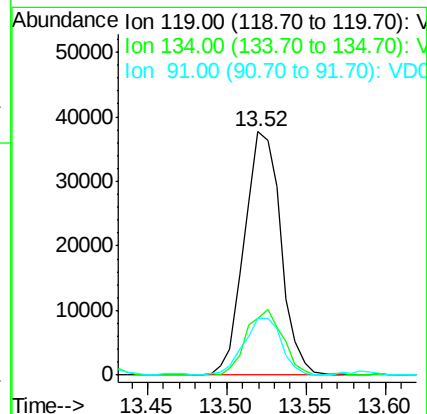
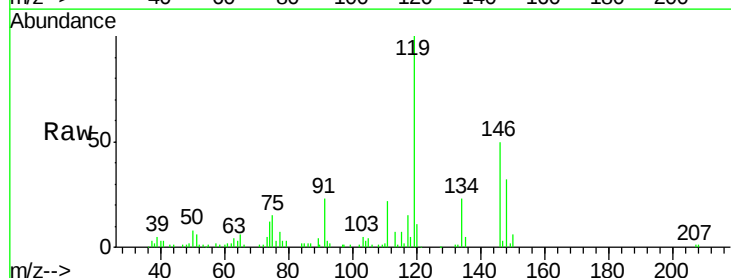
Tgt Ion:119 Resp: 60372

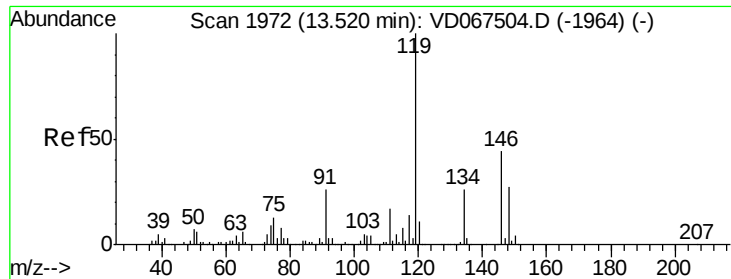
Ion Ratio Lower Upper

119 100

134 26.8 13.1 39.3

91 24.4 12.2 36.4





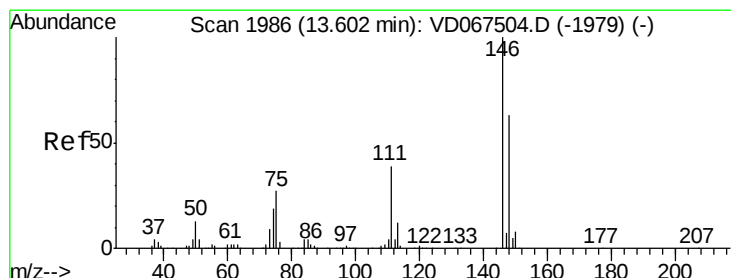
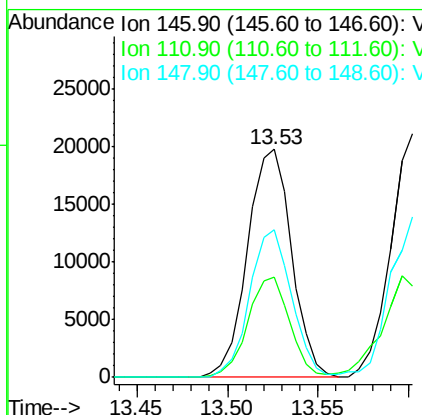
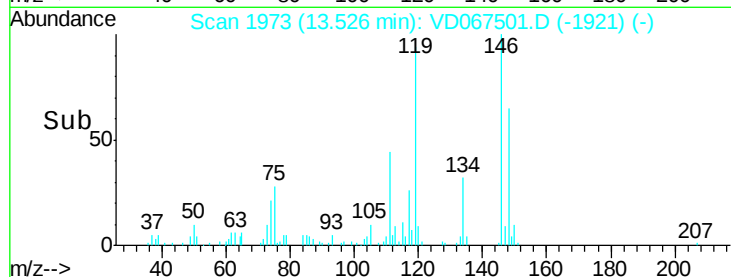
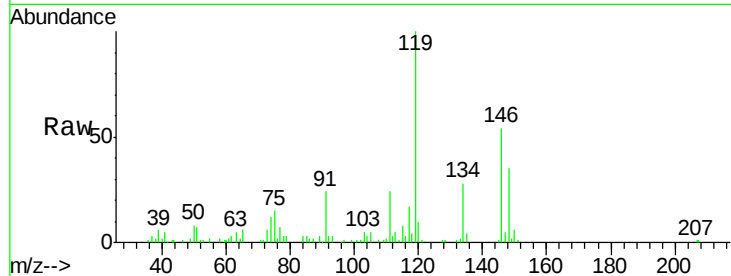
#87
 1,3-Dichlorobenzene
 Concen: 5.133 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	60.8
148	62.0	31.9	95.9

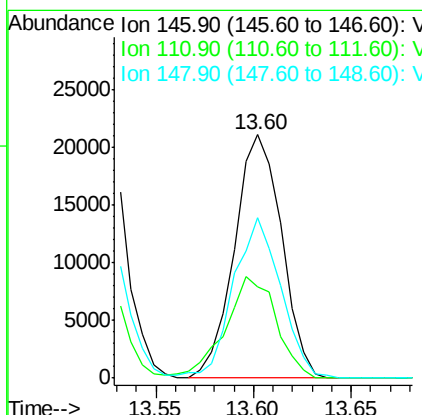
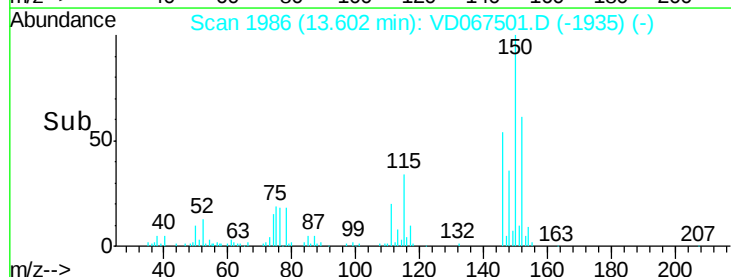
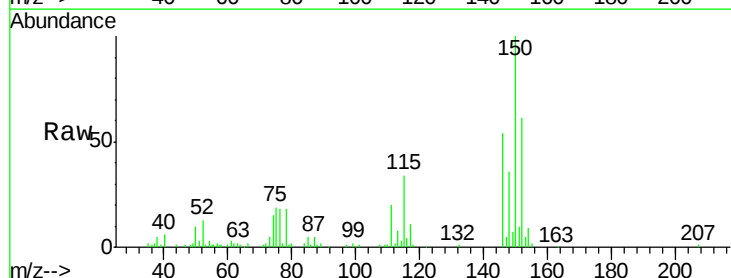
Manual Integrations
 APPROVED

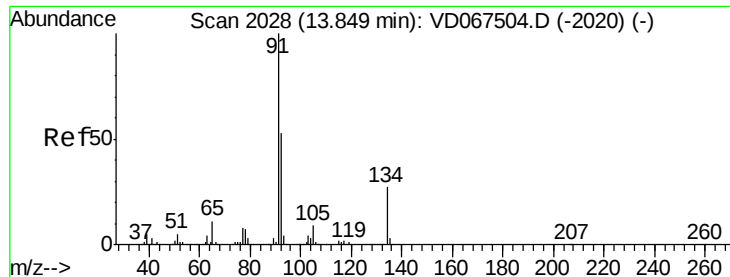
MMDadoda
 11/4/2020 10:43:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.377 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.6	58.7
148	66.3	31.8	95.4





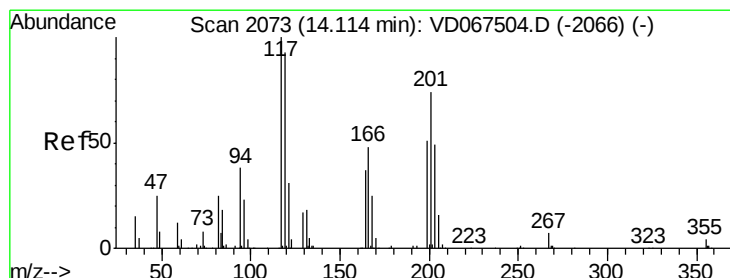
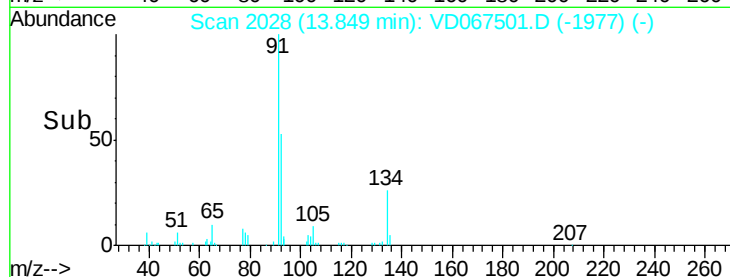
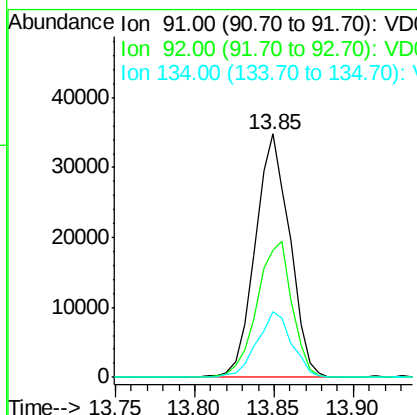
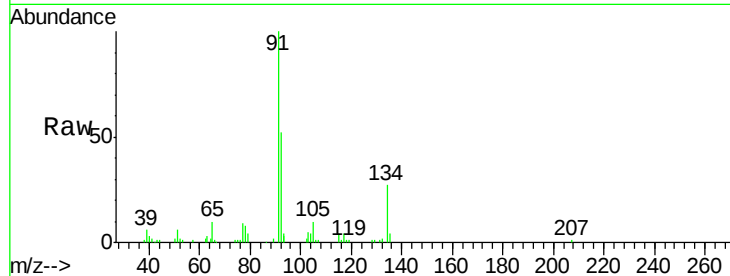
#89
n-Butylbenzene
Concen: 4.672 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.7	26.6	79.8
134	27.1	14.1	42.2

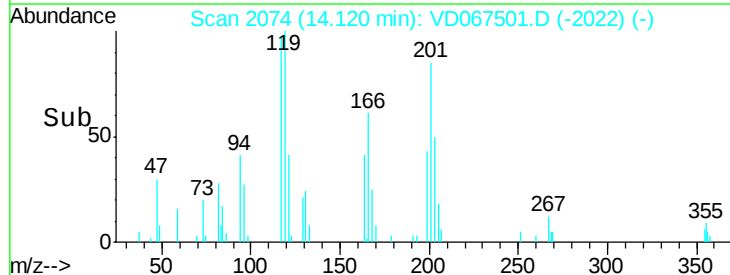
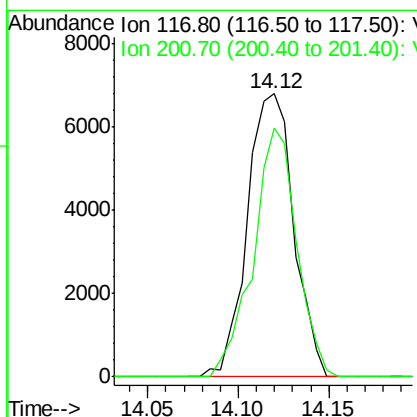
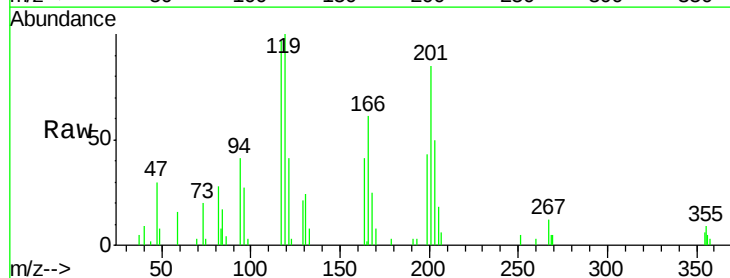
Manual Integrations
APPROVED

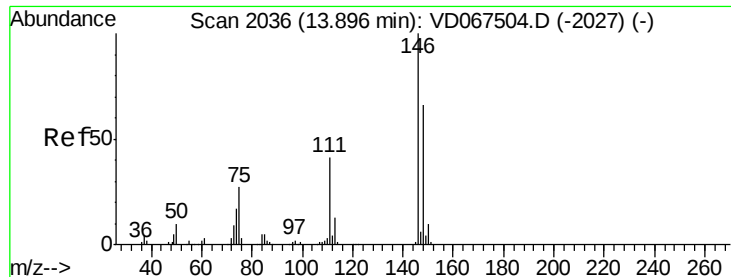
MMDadoda
11/4/2020 10:43:06 AM



#90
Hexachloroethane
Concen: 4.899 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	40.7	122.1





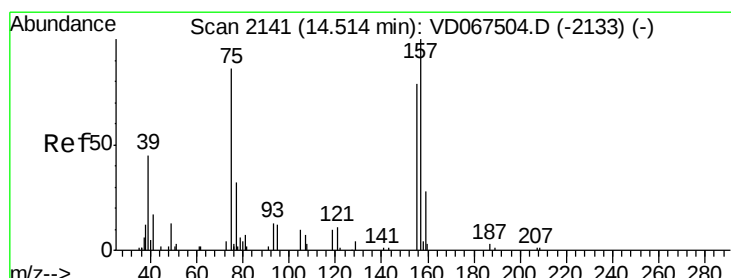
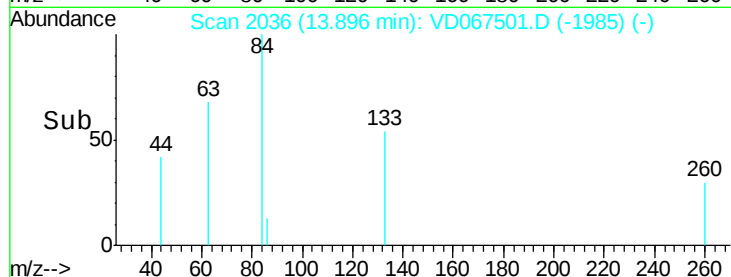
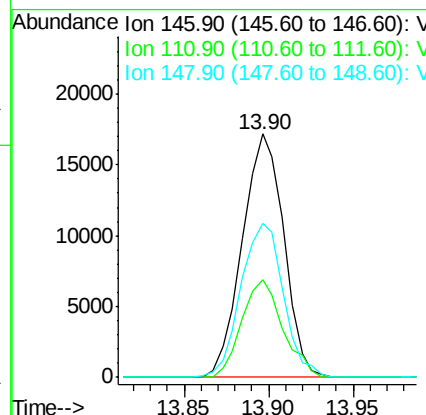
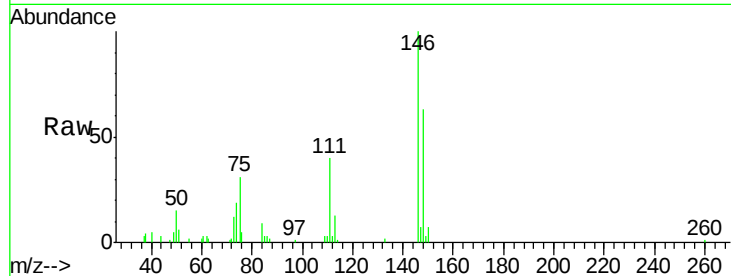
#91
 1,2-Dichlorobenzene
 Concen: 5.227 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.7	62.1
148	64.8	31.5	94.5

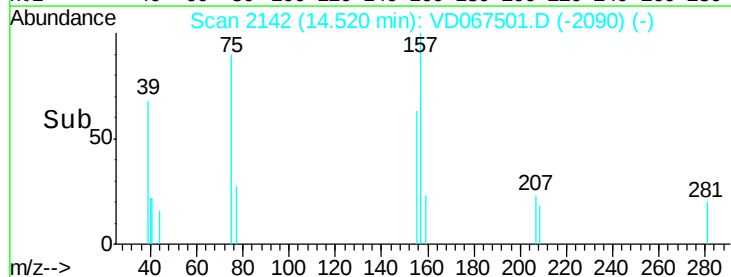
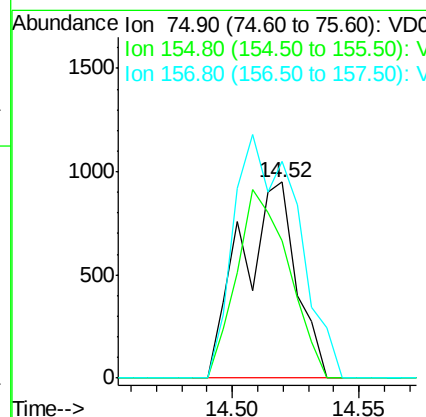
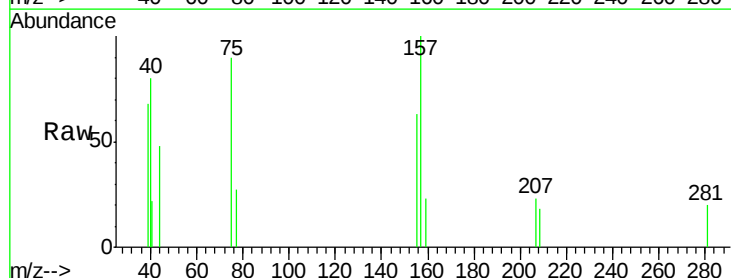
Manual Integrations
 APPROVED

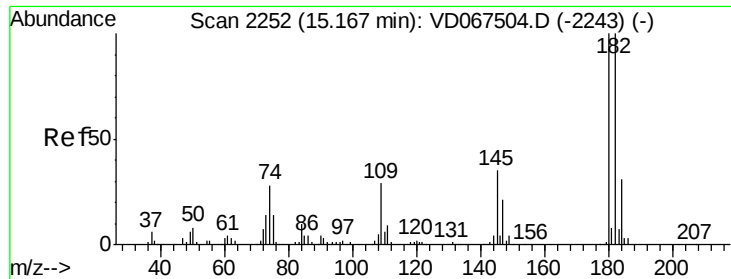
MMDadoda
 11/4/2020 10:43:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.298 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067501.D
 Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	46.6	139.8
157	142.1	58.1	174.2





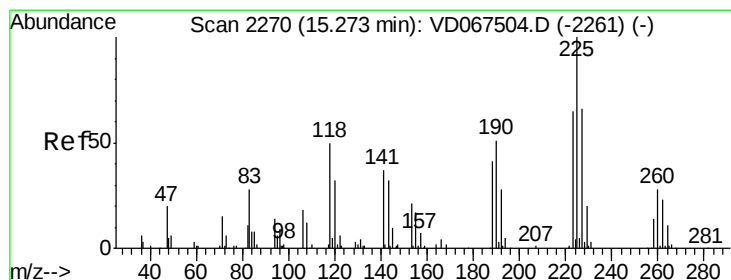
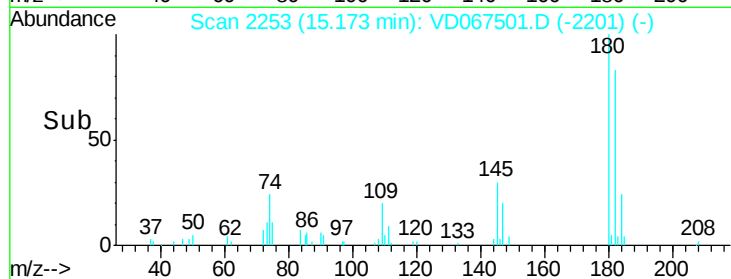
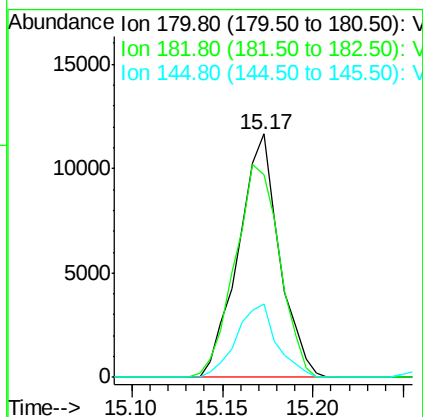
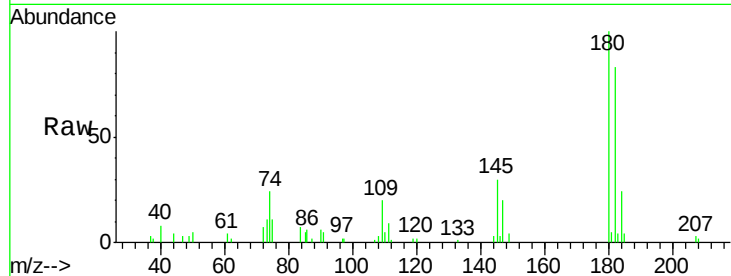
#93
1,2,4-Trichlorobenzene
Concen: 4.798 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.3
145	29.8	16.2	48.6

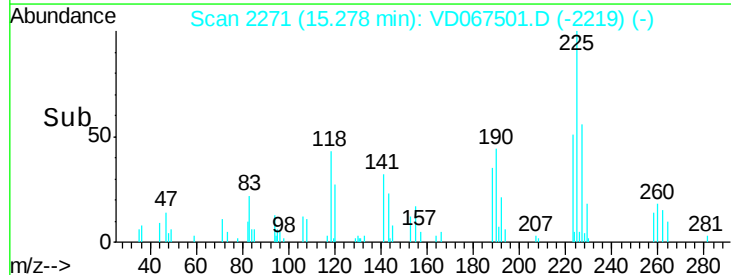
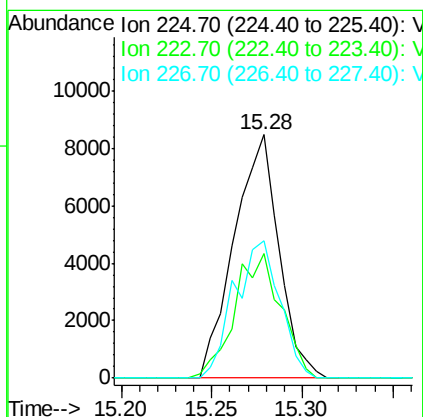
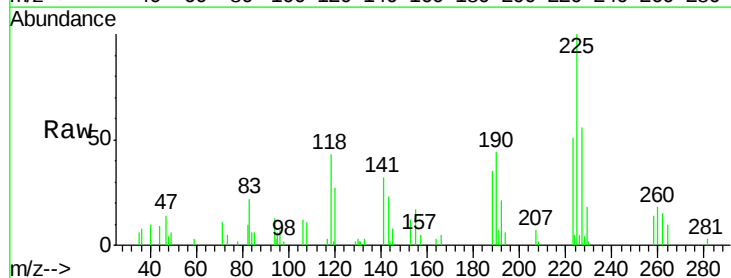
Manual Integrations
APPROVED

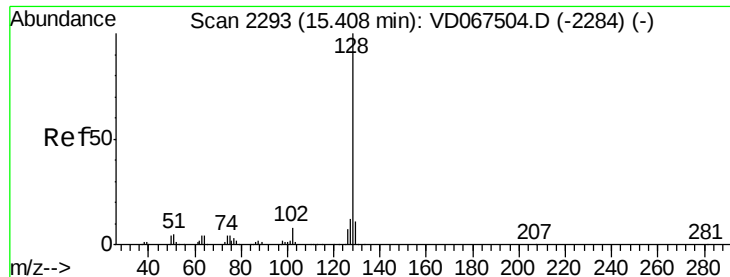
MMDadoda
11/4/2020 10:43:06 AM



#94
Hexachlorobutadiene
Concen: 5.700 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	52.9	31.9	95.5
227	57.0	32.5	97.4





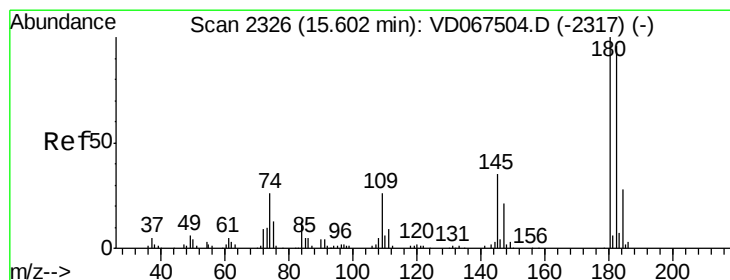
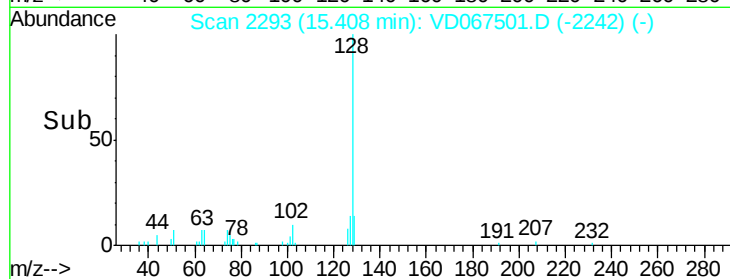
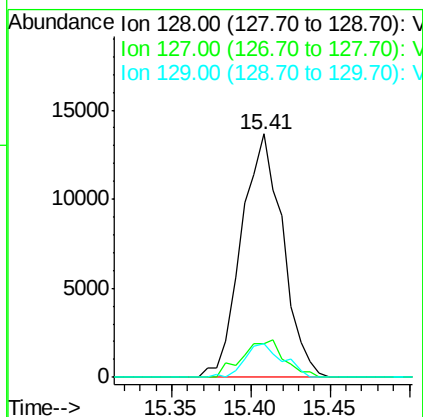
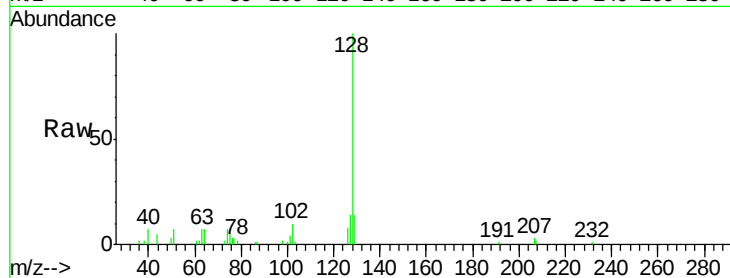
#95
Naphthalene
Concen: 4.213 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.2	15.4#
129	12.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/4/2020 10:43:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.853 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067501.D
Acq: 03 Nov 2020 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.5	46.9	140.8
145	30.2	17.1	51.2

