

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067371.D
 Acq On : 23 Oct 2020 09:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:37 PM

Quant Time: Oct 24 07:25:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	322519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	463199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	423239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	153621	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
35) Dibromofluoromethane	7.92	113	157280	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.34	98	582842	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.64	95	199473	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	113645	43.313	ug/l	97
3) Chloromethane	2.21	50	82730	40.758	ug/l	98
4) Vinyl Chloride	2.36	62	94595	42.475	ug/l	91
5) Bromomethane	2.77	94	75484	48.642	ug/l	93
6) Chloroethane	2.93	64	62156	44.814	ug/l	96
7) Trichlorofluoromethane	3.28	101	262357	46.783	ug/l	98
8) Diethyl Ether	3.71	74	55724	43.424	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	141072	47.347	ug/l	99
10) Methyl Iodide	4.30	142	128514	46.758	ug/l	99
11) Tert butyl alcohol	5.21	59	33286	186.574	ug/l	99
12) 1,1-Dichloroethene	4.07	96	122745	46.113	ug/l	93
13) Acrolein	3.92	56	40094	211.292	ug/l	99
14) Allyl chloride	4.71	41	135435	44.430	ug/l	98
15) Acrylonitrile	5.42	53	97819	228.449	ug/l	97
16) Acetone	4.16	43	122959	271.718	ug/l	90
17) Carbon Disulfide	4.41	76	319481	42.102	ug/l	99
18) Methyl Acetate	4.71	43	46883	45.423	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	245833	46.447	ug/l	97
20) Methylene Chloride	4.97	84	132531	45.300	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	142035	46.369	ug/l	98
22) Diisopropyl ether	6.36	45	269587	48.413	ug/l	95
23) Vinyl Acetate	6.31	43	769116	242.776	ug/l	97
24) 1,1-Dichloroethane	6.27	63	218511	45.842	ug/l	98
25) 2-Butanone	7.21	43	120218	233.057	ug/l	97
26) 2,2-Dichloropropane	7.21	77	237762	48.393	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	157280	46.850	ug/l	99
28) Bromochloromethane	7.54	49	77311	47.551	ug/l #	99
29) Tetrahydrofuran	7.56	42	66393	231.544	ug/l	96
30) Chloroform	7.71	83	272423	47.842	ug/l	91
31) Cyclohexane	7.98	56	167778	45.082	ug/l	87
32) 1,1,1-Trichloroethane	7.91	97	269351	48.210	ug/l	98
36) 1,1-Dichloropropene	8.11	75	195852	49.887	ug/l	99
37) Ethyl Acetate	7.28	43	58455	50.607	ug/l #	92
38) Carbon Tetrachloride	8.10	117	258422	51.502	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067371.D
 Acq On : 23 Oct 2020 09:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:37 PM

Quant Time: Oct 24 07:25:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210049	51.178	ug/l	100
40) Benzene	8.36	78	535680	49.737	ug/l	100
41) Methacrylonitrile	7.53	41	32197	51.582	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	169590	50.315	ug/l	100
43) Isopropyl Acetate	8.46	43	110757	48.324	ug/l	100
44) Trichloroethene	9.11	130	169945	49.282	ug/l	99
45) 1,2-Dichloropropane	9.39	63	124094	49.715	ug/l	99
46) Dibromomethane	9.48	93	75935	48.826	ug/l	95
47) Bromodichloromethane	9.67	83	207132	49.711	ug/l	94
48) Methyl methacrylate	9.46	41	53094	47.668	ug/l	98
49) 1,4-Dioxane	9.46	88	15907	1058.714	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	279270	244.295	ug/l	99
52) Toluene	10.41	92	371139	50.594	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	181753	49.656	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	211540	49.383	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	104286	49.175	ug/l	98
56) Ethyl methacrylate	10.66	69	110449	50.217	ug/l	96
57) 1,3-Dichloropropane	10.95	76	167626	49.667	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	292992	259.675	ug/l	99
59) 2-Hexanone	10.99	43	204938	262.351	ug/l	99
60) Dibromochloromethane	11.14	129	152686	49.368	ug/l	99
61) 1,2-Dibromoethane	11.25	107	100873	48.248	ug/l	97
64) Tetrachloroethene	10.88	164	151719	49.476	ug/l	93
65) Chlorobenzene	11.67	112	406257	50.056	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	165013	51.156	ug/l	99
67) Ethyl Benzene	11.75	91	721339	51.848	ug/l	98
68) m/p-Xylenes	11.86	106	556396	103.854	ug/l	100
69) o-Xylene	12.18	106	255108	51.422	ug/l	96
70) Styrene	12.20	104	440857	51.622	ug/l	99
71) Bromoform	12.37	173	85619	49.407	ug/l	97
73) Isopropylbenzene	12.48	105	720226	52.825	ug/l	99
74) N-amyl acetate	12.29	43	96876	47.045	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	99486	47.622	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	78240m	52.547	ug/l	
77) Bromobenzene	12.77	156	173518	51.047	ug/l	98
78) n-propylbenzene	12.83	91	829951	52.538	ug/l	99
79) 2-Chlorotoluene	12.91	91	466086	50.877	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	629272	53.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	31900	48.584	ug/l	99
82) 4-Chlorotoluene	13.01	91	505037	51.942	ug/l	99
83) tert-Butylbenzene	13.23	119	538042	53.760	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	621958	53.112	ug/l	99
85) sec-Butylbenzene	13.41	105	724611	52.765	ug/l	100
86) p-Isopropyltoluene	13.52	119	690471	53.269	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	330809	50.562	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	326058	50.301	ug/l	99
89) n-Butylbenzene	13.85	91	605890	53.133	ug/l	99
90) Hexachloroethane	14.11	117	117041	51.744	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	284959	49.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19031	50.144	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
Data File : VD067371.D
Acq On : 23 Oct 2020 09:58
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM

Quant Time: Oct 24 07:25:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	203322	52.762	ug/l	99
94) Hexachlorobutadiene	15.27	225	129913	54.288	ug/l	99
95) Naphthalene	15.41	128	319768	50.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173750	52.191	ug/l	98

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

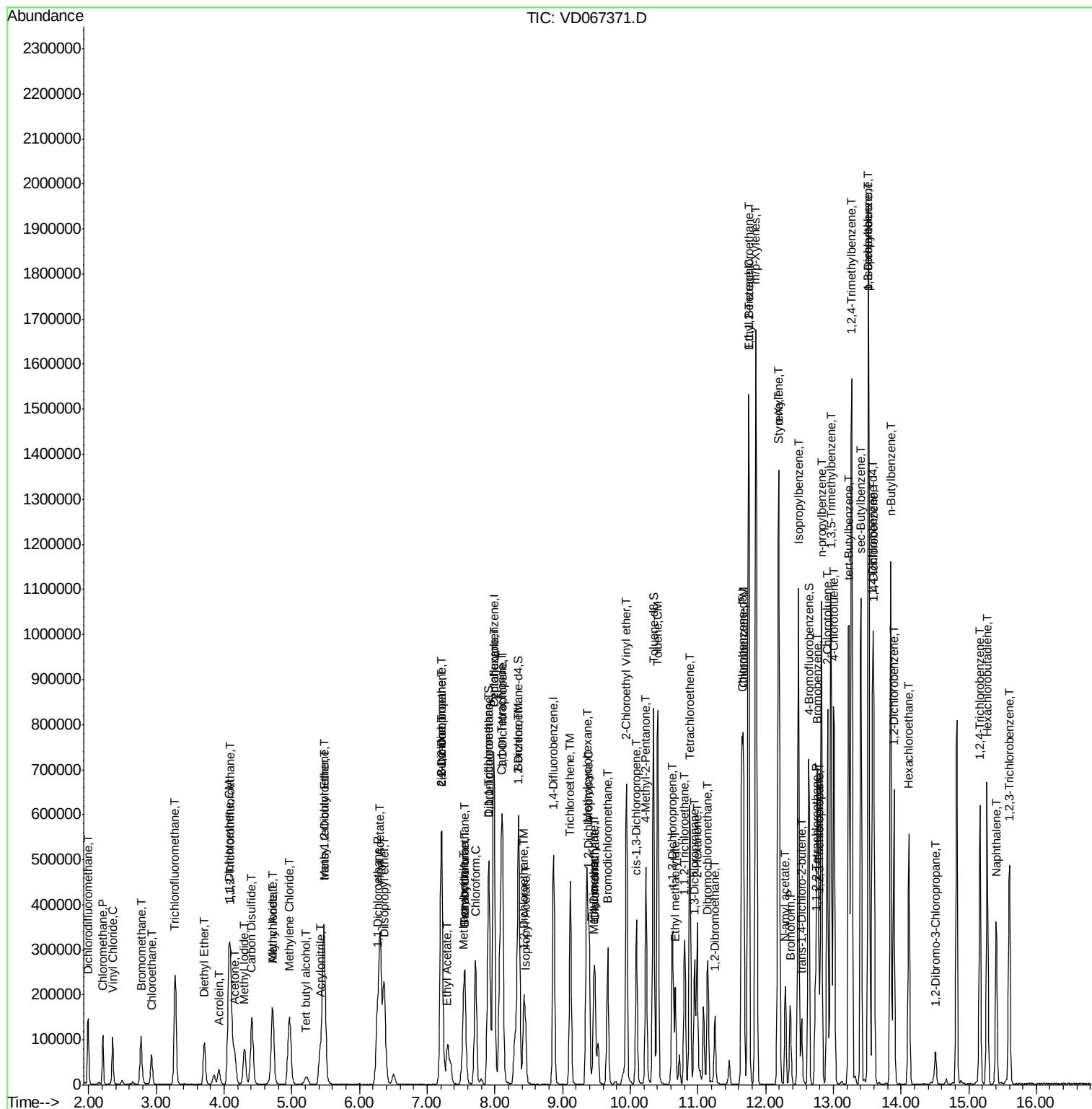
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102320\
Data File : VD067371.D
Acq On : 23 Oct 2020 09:58
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

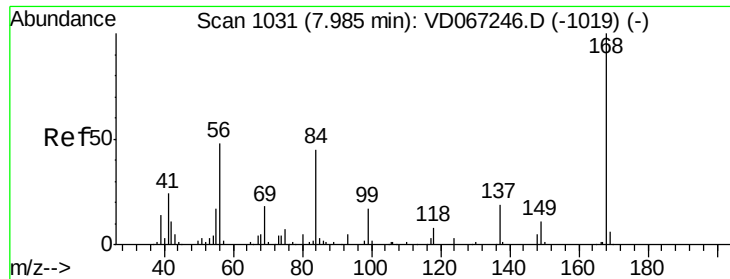
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM

Quant Time: Oct 24 07:25:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 322519

Ion Ratio Lower Upper

168 100

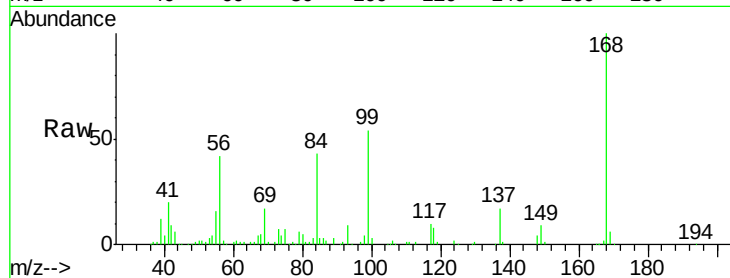
99 54.1 45.9 68.9

Manual Integrations

APPROVED

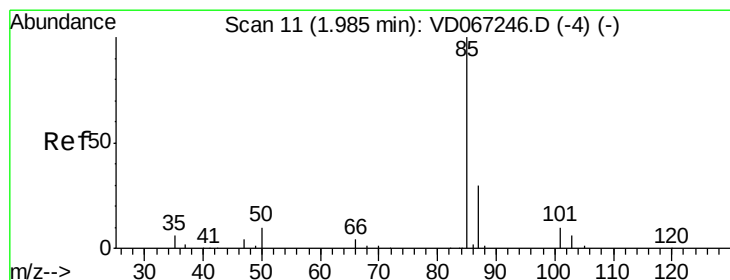
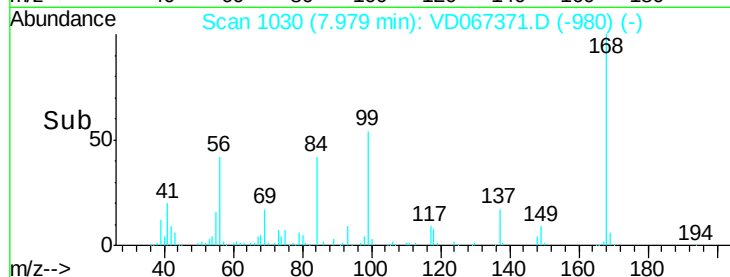
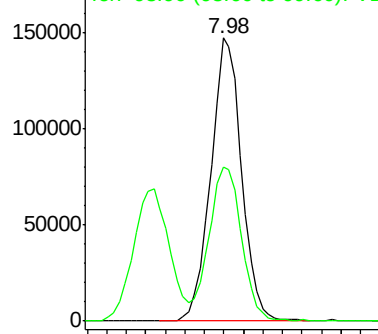
MMDadoda

10/26/2020 1:37:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.313 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067371.D

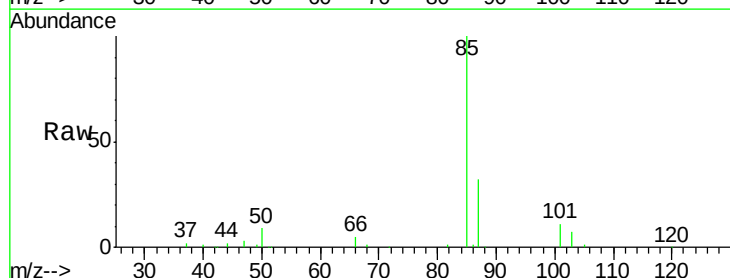
Acq: 23 Oct 2020 09:58

Tgt Ion: 85 Resp: 113645

Ion Ratio Lower Upper

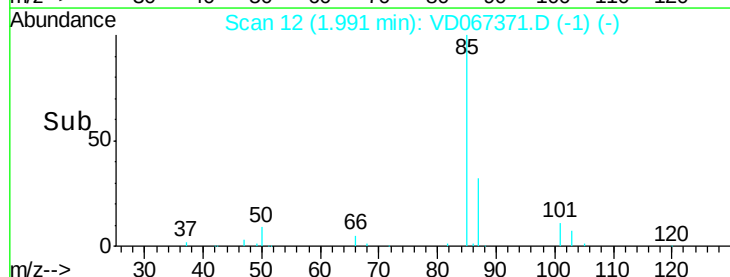
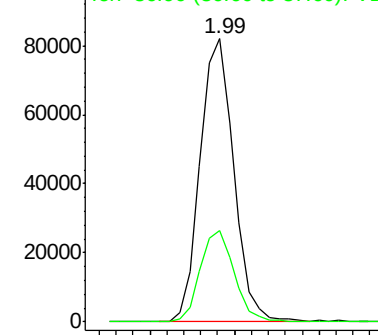
85 100

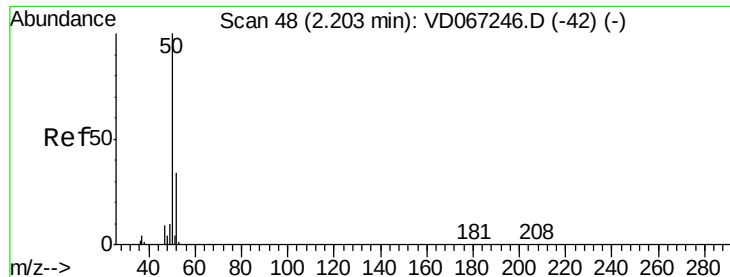
87 32.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.758 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Tot Ion: 50 Resp: 82730

Ion Ratio Lower Upper

50 100

52 32.9 27.1 40.7

Instrument :

MSVOA_D

ClientSampleId :

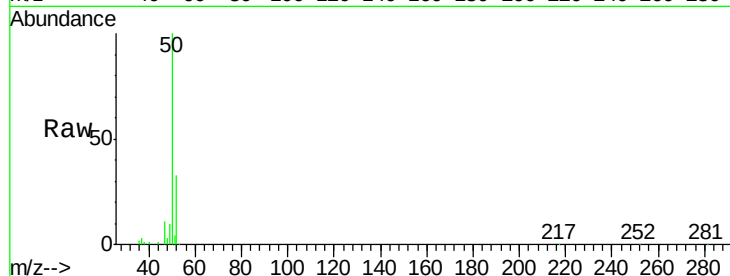
VSTDCCC050

Manual Integrations

APPROVED

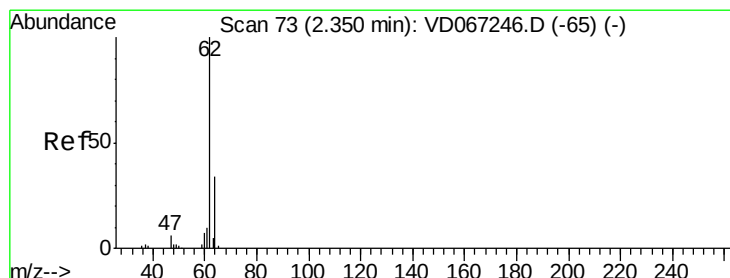
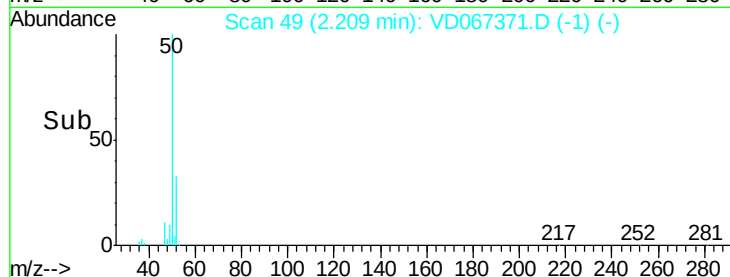
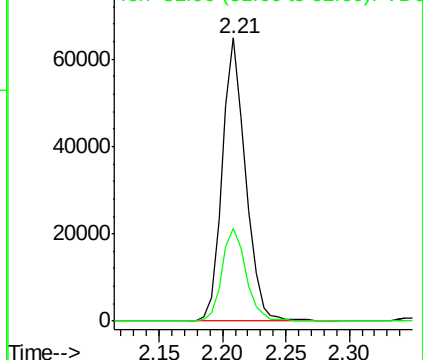
MMDadoda

10/26/2020 1:37:37 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 42.475 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067371.D

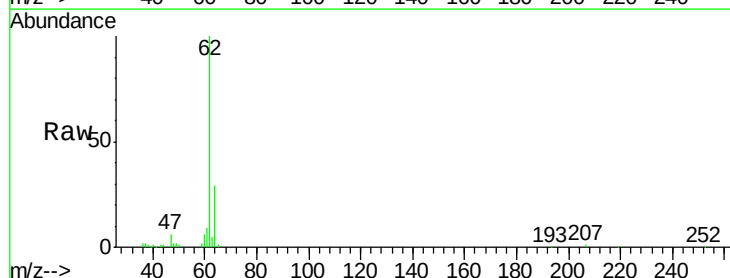
Acq: 23 Oct 2020 09:58

Tgt Ion: 62 Resp: 94595

Ion Ratio Lower Upper

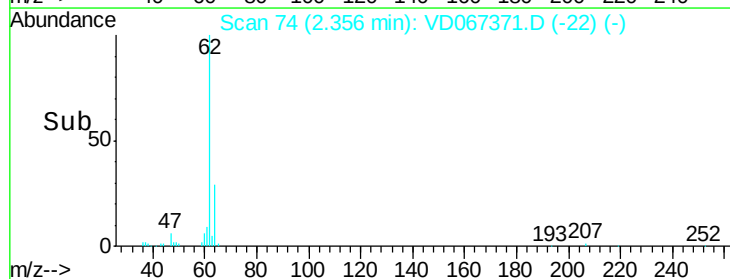
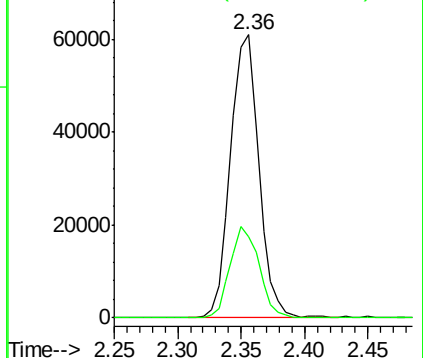
62 100

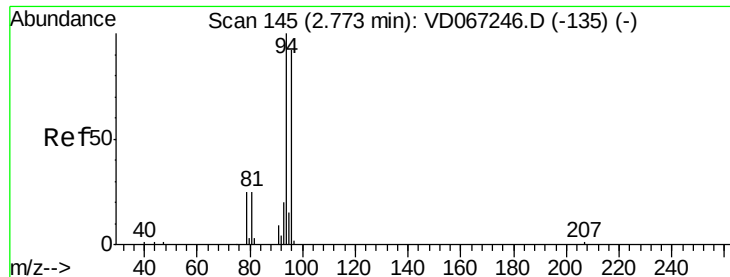
64 28.8 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.642 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 75484

Ion Ratio Lower Upper

94 100

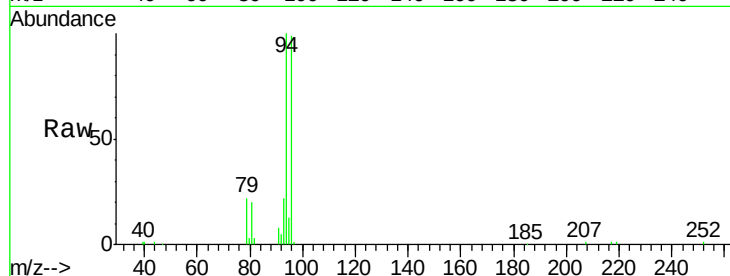
96 99.4 73.8 110.6

Manual Integrations

APPROVED

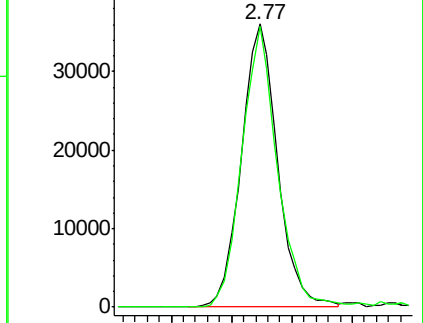
MMDadoda

10/26/2020 1:37:37 PM

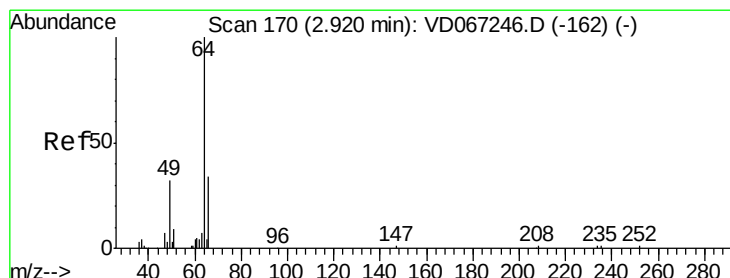
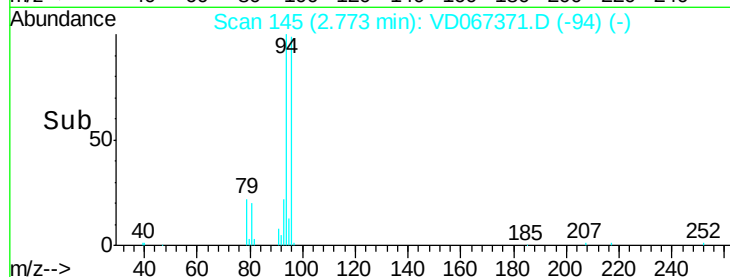


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 44.814 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067371.D

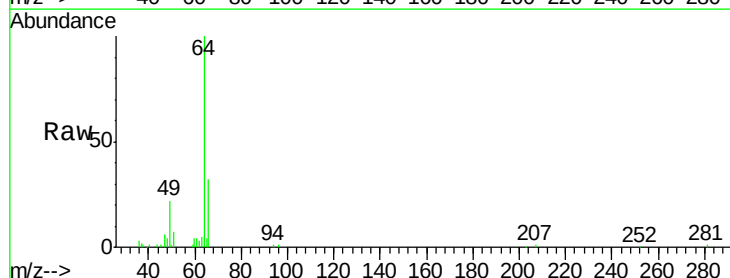
Acq: 23 Oct 2020 09:58

Tgt Ion: 64 Resp: 62156

Ion Ratio Lower Upper

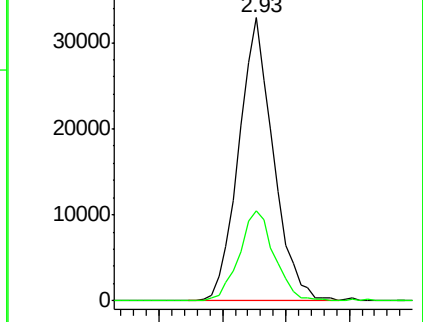
64 100

66 31.9 27.4 41.0

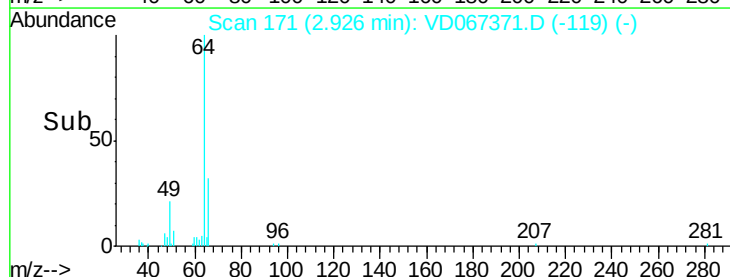


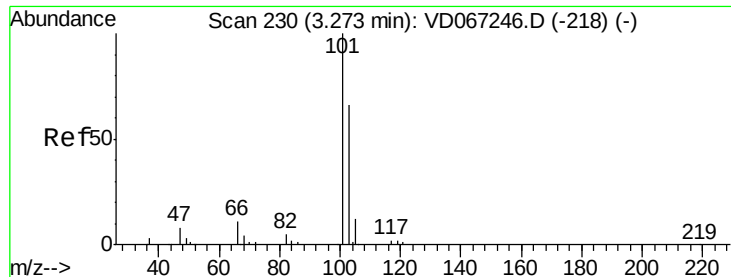
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

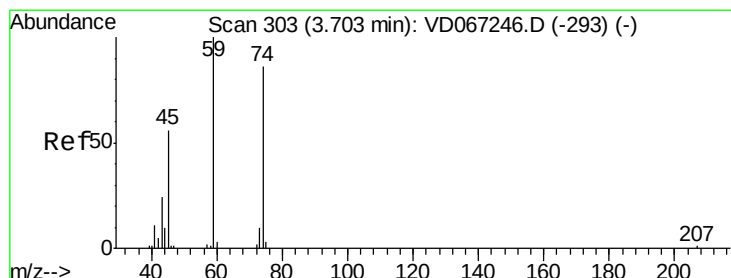
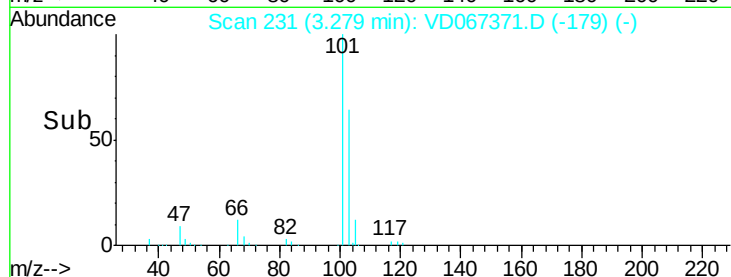
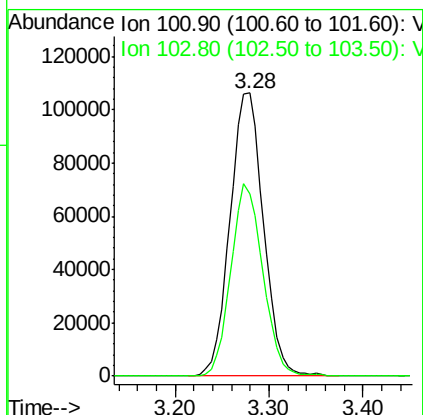
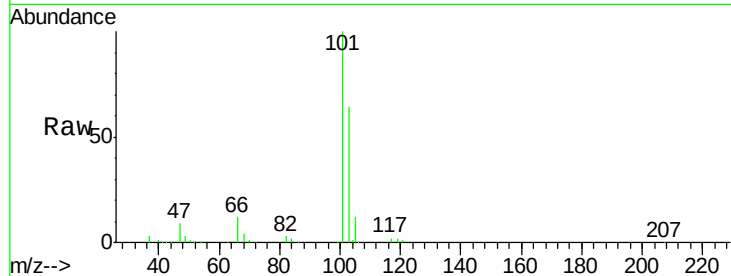
Trichlorofluoromethane
Concen: 46.783 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	53.1	79.7

Manual Integrations
APPROVED

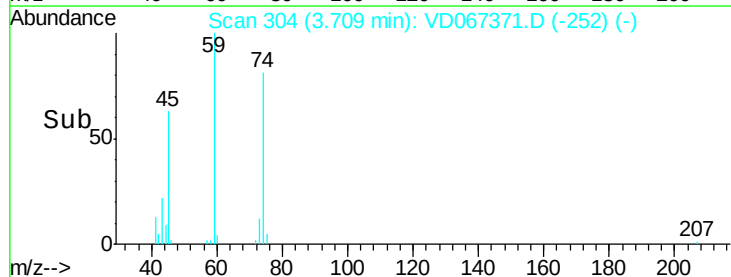
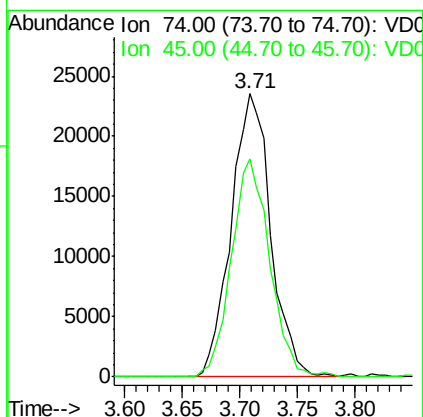
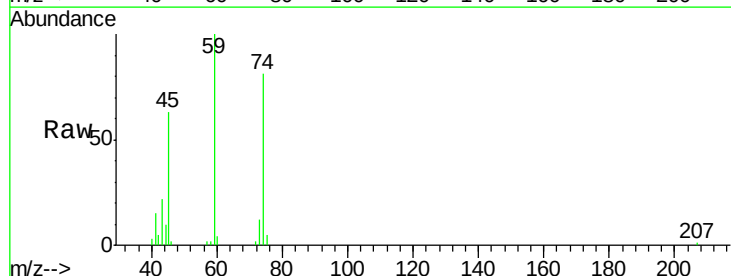
MMDadoda
10/26/2020 1:37:37 PM

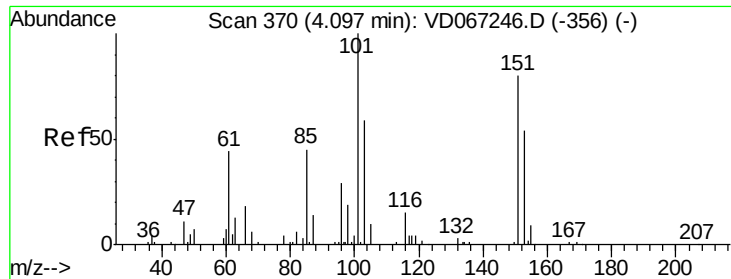


#8

Diethyl Ether
Concen: 43.424 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.9	37.0	111.1





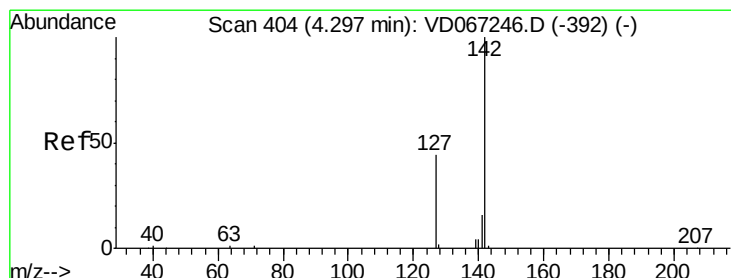
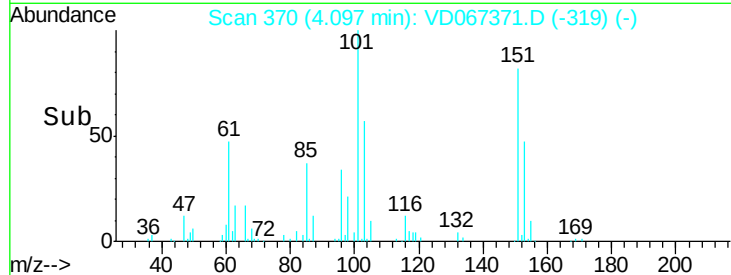
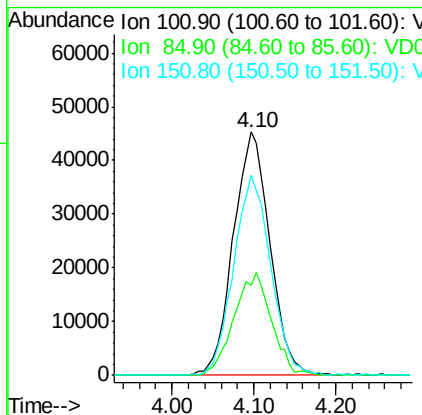
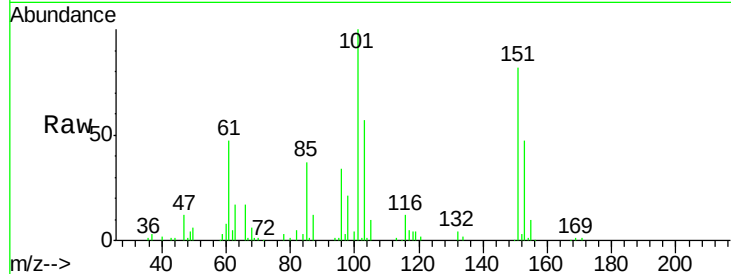
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.347 ug/l
 RT: 4.10 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	141072		
85	43.3	34.2	51.4	
151	83.5	66.3	99.5	

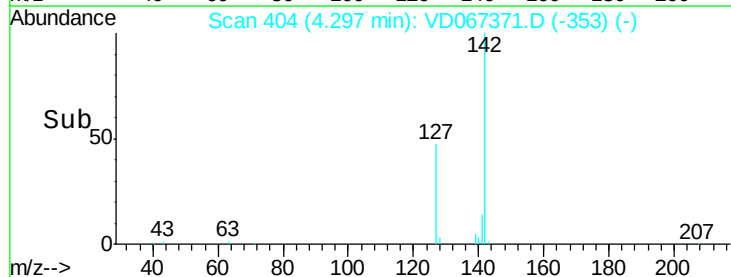
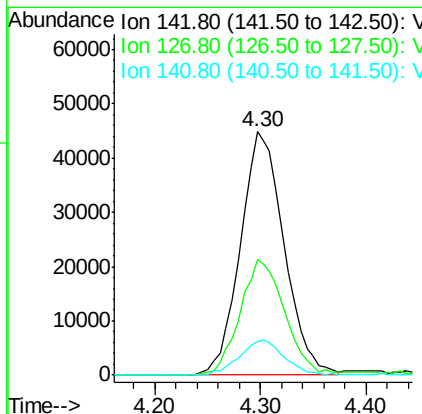
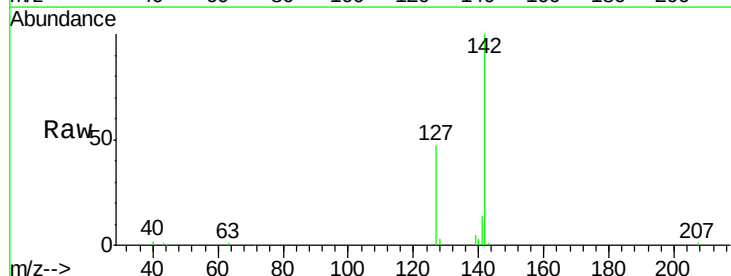
Manual Integrations
 APPROVED

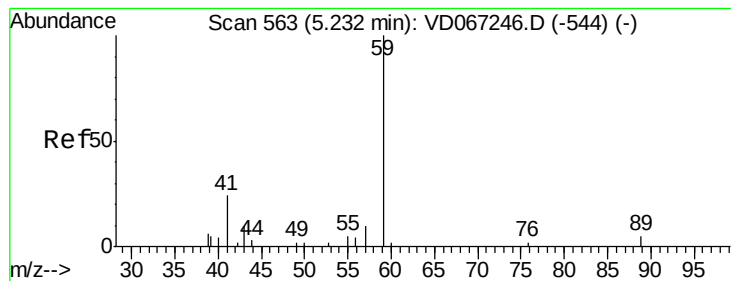
MMDadoda
 10/26/2020 1:37:37 PM



#10
 Methyl Iodide
 Concen: 46.758 ug/l
 RT: 4.30 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	128514		
127	49.0	38.4	57.6	
141	14.6	11.6	17.4	





#11

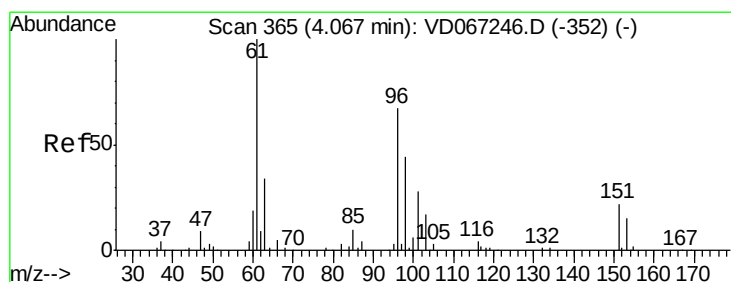
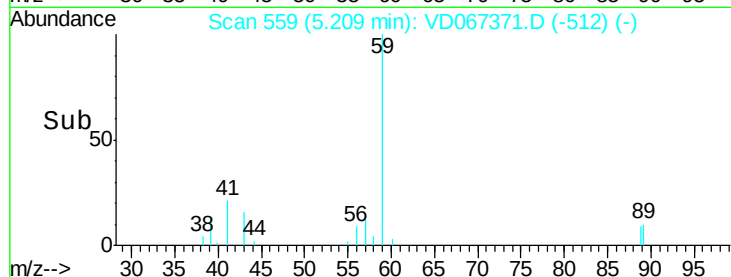
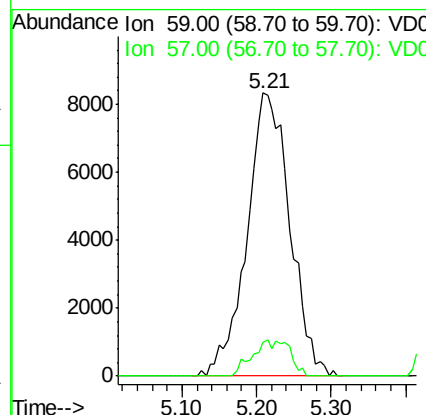
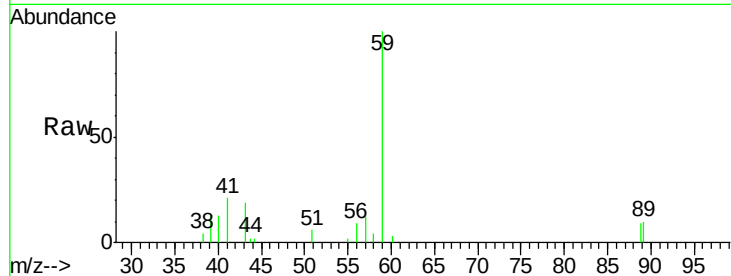
Tert butyl alcohol
 Concen: 186.574 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	33286		
57	6.2		5.1	7.7

Manual Integrations
 APPROVED

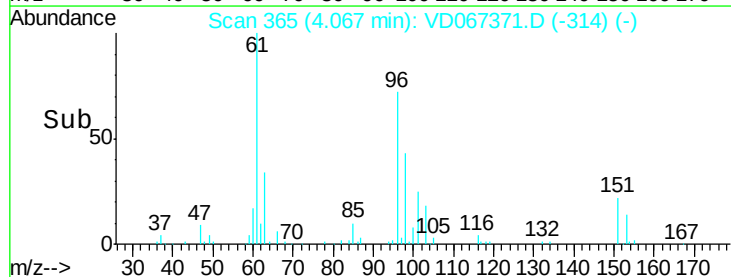
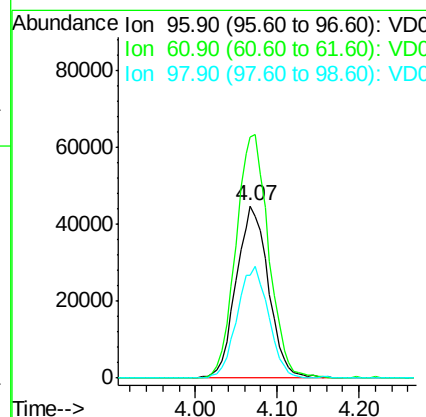
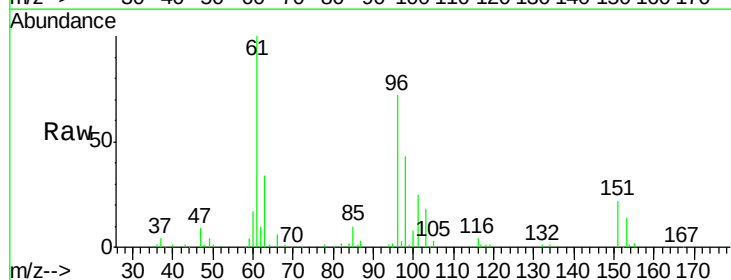
MMDadoda
 10/26/2020 1:37:37 PM

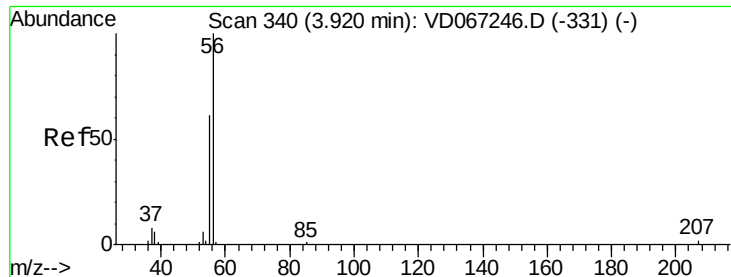


#12

1,1-Dichloroethene
 Concen: 46.113 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	122745		
61	139.7		118.6	177.8
98	59.5		51.8	77.6





#13

Acrolein

Concen: 211.292 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40094

Ion Ratio Lower Upper

56 100

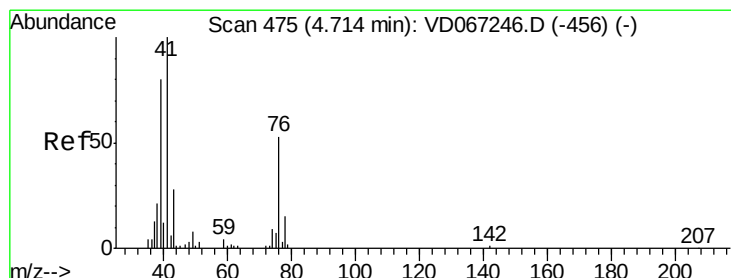
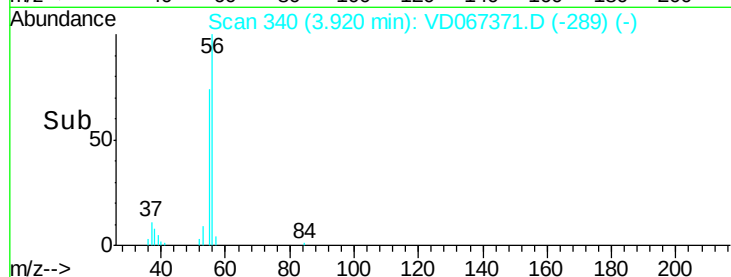
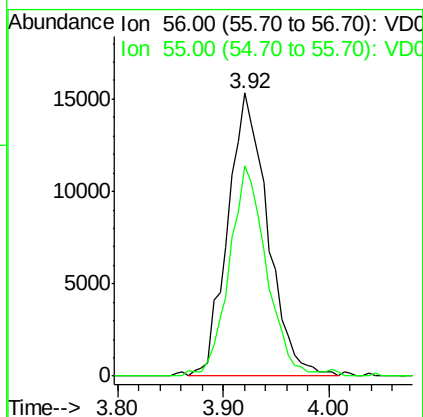
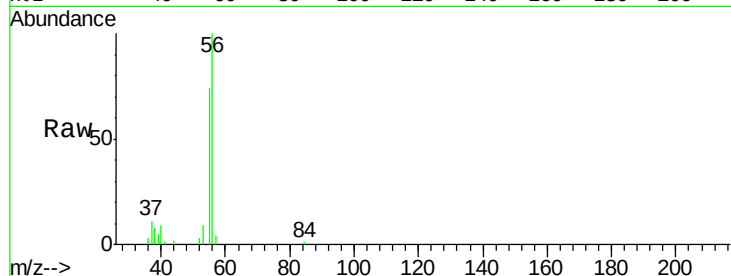
55 68.9 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:37 PM



#14

Allyl chloride

Concen: 44.430 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

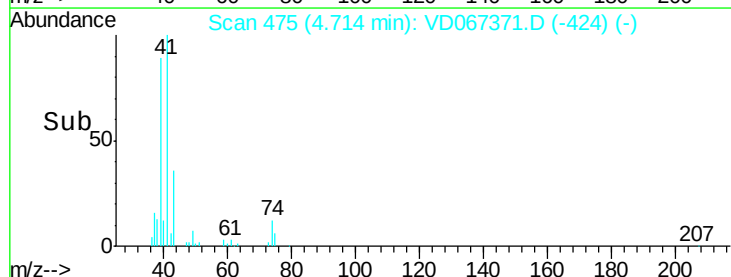
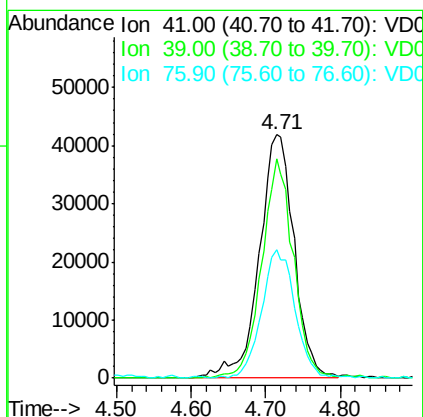
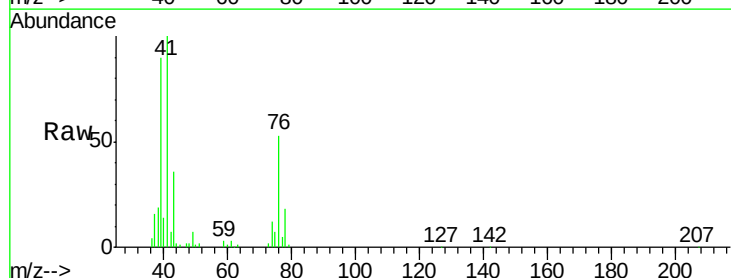
Tgt Ion: 41 Resp: 135435

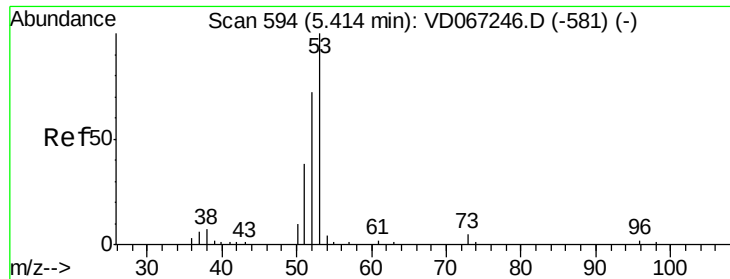
Ion Ratio Lower Upper

41 100

39 81.9 63.8 95.6

76 50.8 40.4 60.6





#15

Acrylonitrile

Concen: 228.449 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

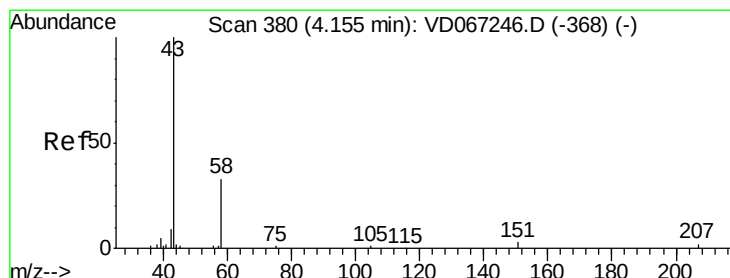
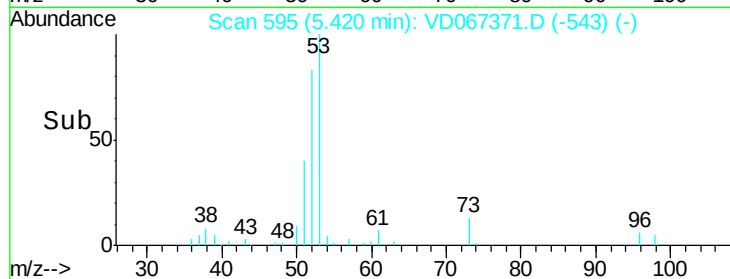
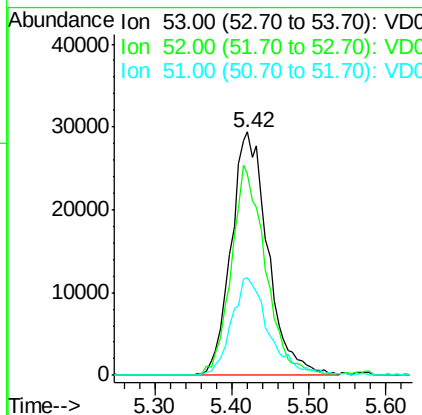
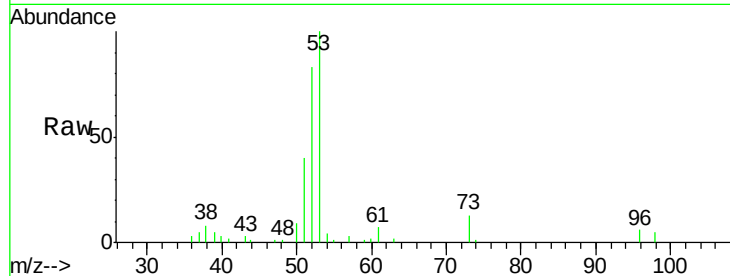
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	97819
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.6	98.4
51	40.8	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM



#16

Acetone

Concen: 271.718 ug/l

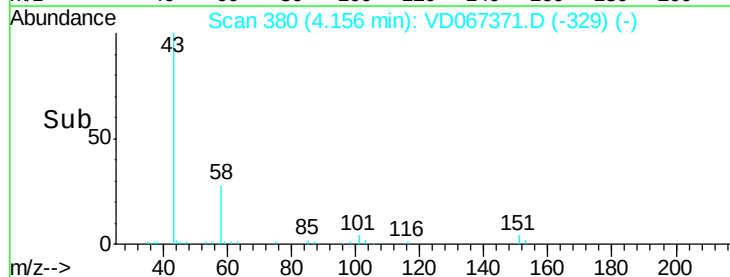
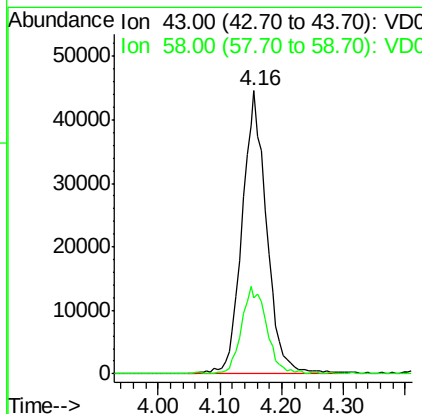
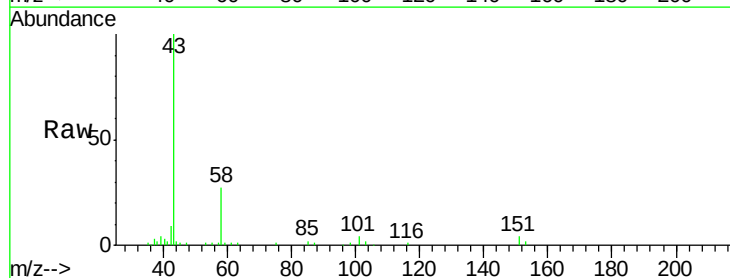
RT: 4.16 min Scan# 380

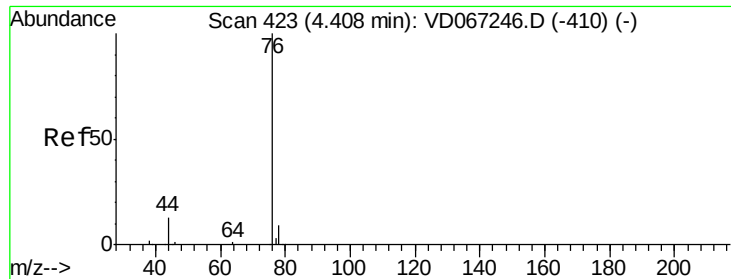
Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Tgt Ion:	43	Resp:	122959
Ion	Ratio	Lower	Upper
43	100		
58	26.9	26.1	39.1





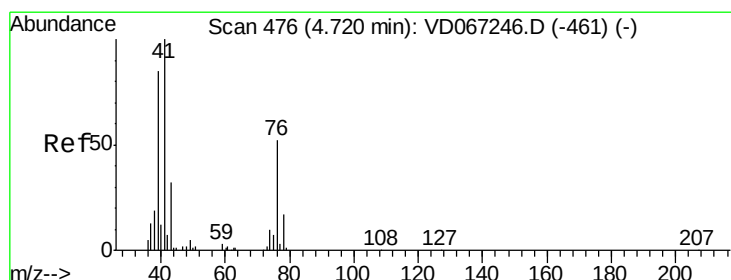
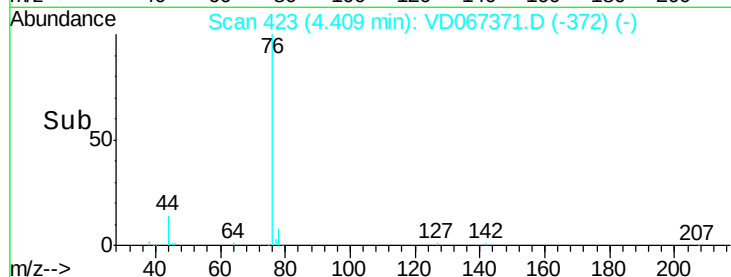
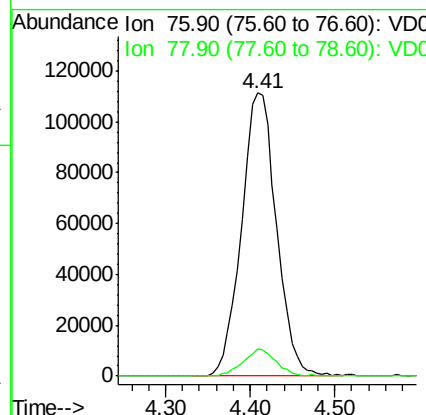
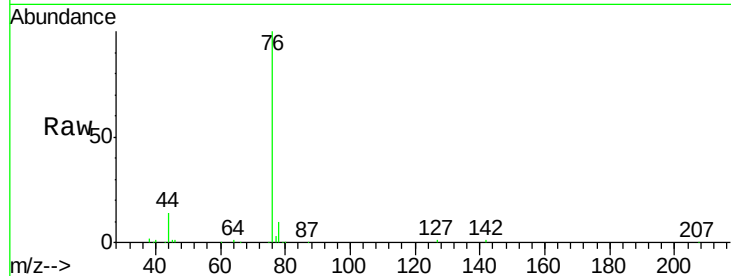
#17
Carbon Disulfide
Concen: 42.102 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

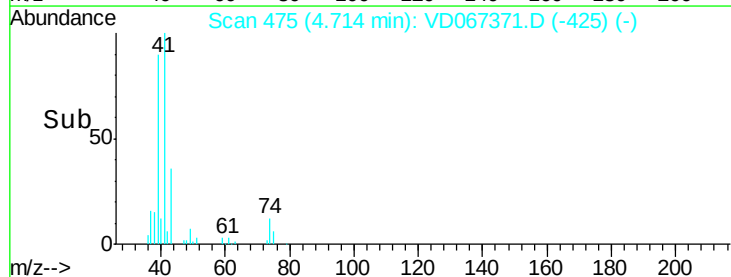
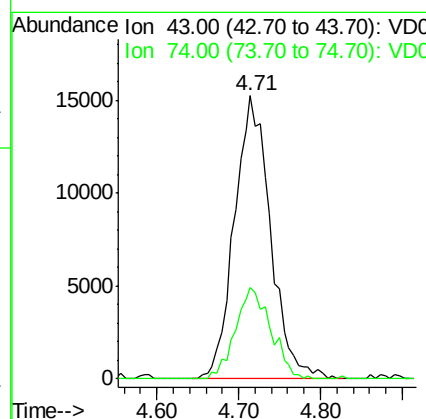
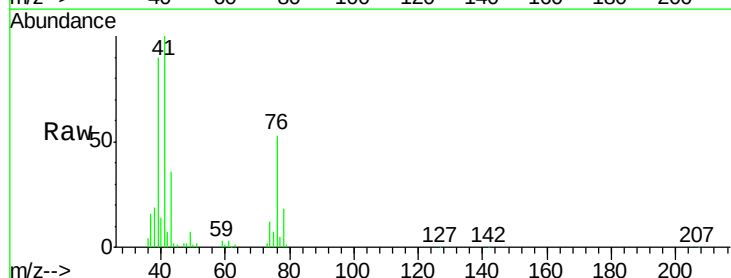
Manual Integrations
APPROVED

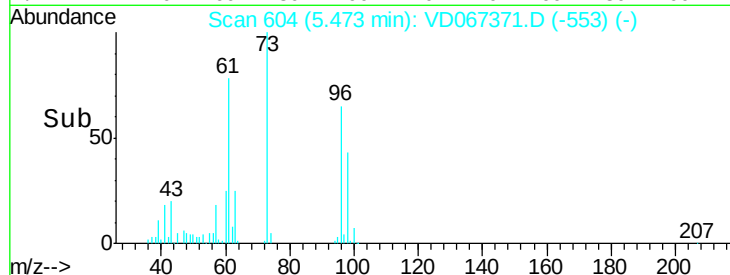
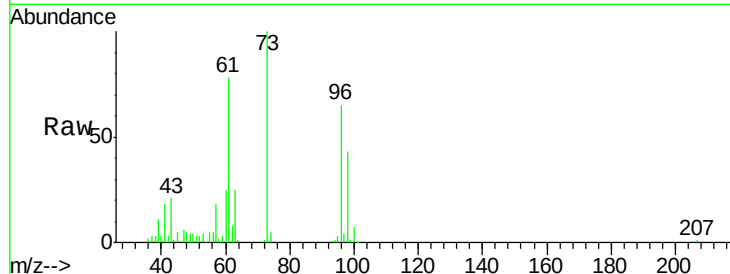
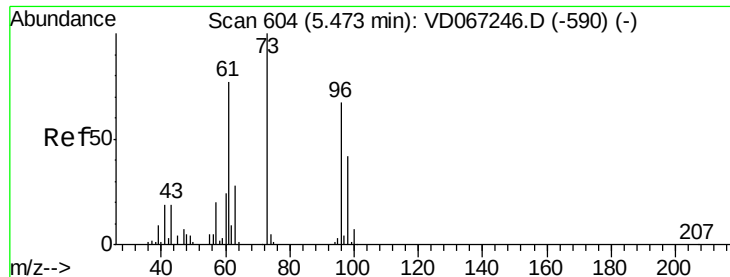
MMDadoda
10/26/2020 1:37:37 PM



#18
Methyl Acetate
Concen: 45.423 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.8	26.6	39.8





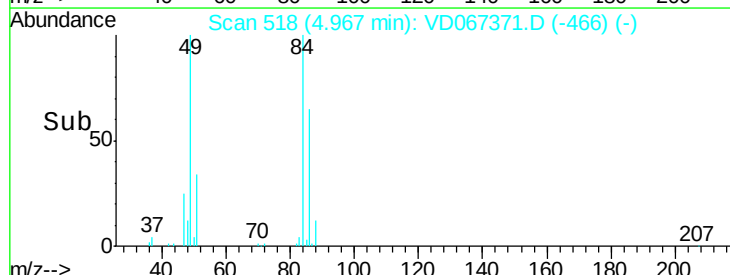
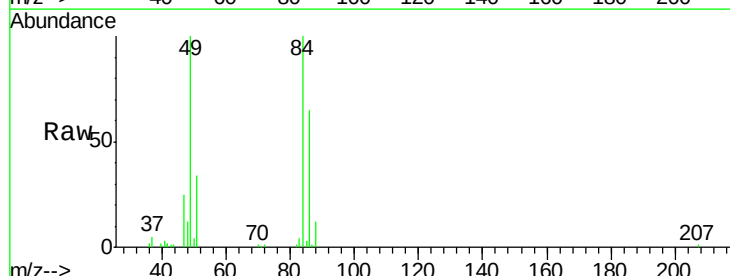
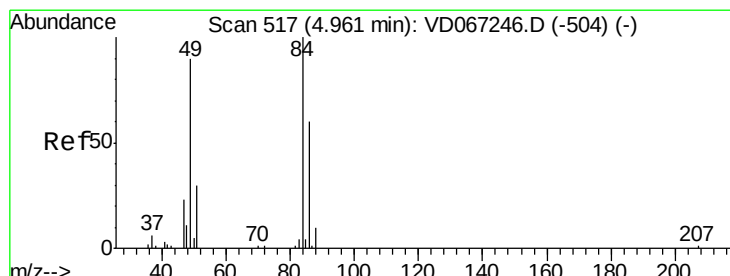
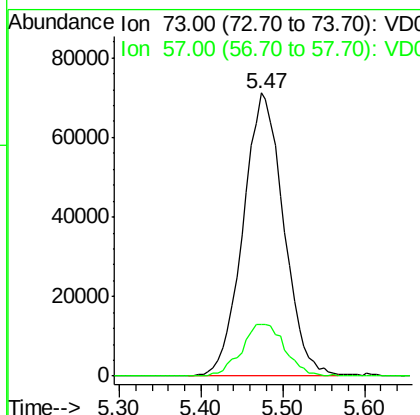
#19
Methyl tert-butyl Ether
Concen: 46.447 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tot Ion: 73 Resp: 245833
Ion Ratio Lower Upper
73 100
57 18.1 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

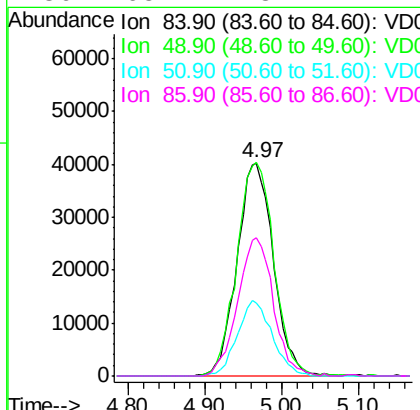
Manual Integrations
APPROVED

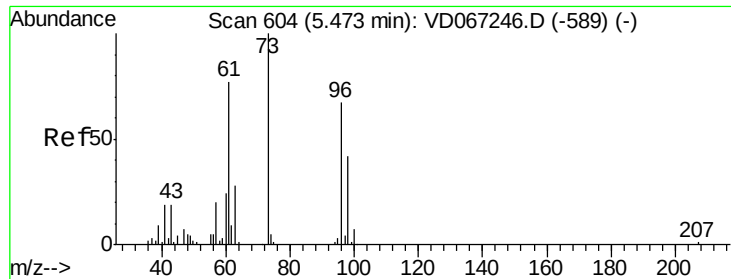
MMDadoda
10/26/2020 1:37:37 PM



#20
Methylene Chloride
Concen: 45.300 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion: 84 Resp: 132531
Ion Ratio Lower Upper
84 100
49 100.4 72.2 108.2
51 34.1 23.8 35.8
86 65.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 46.369 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

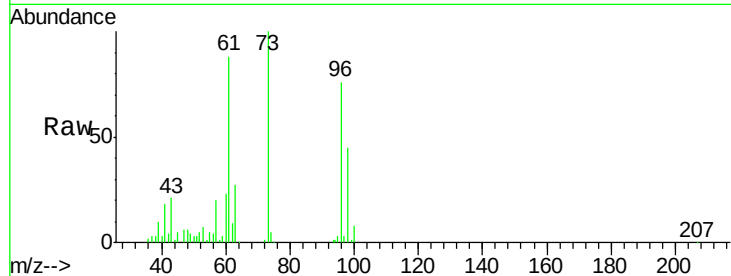
ClientSampleId :

VSTDCCC050

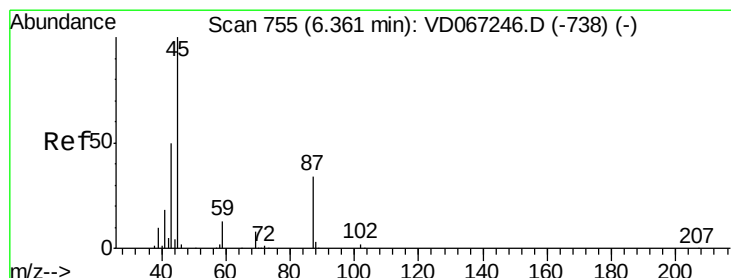
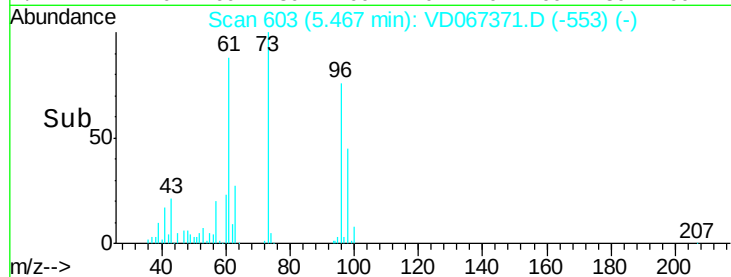
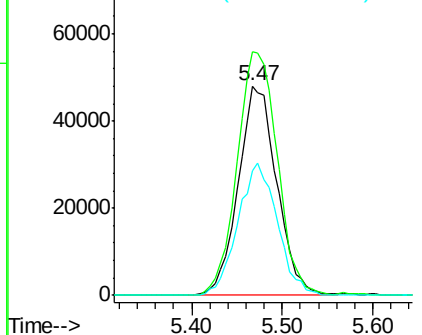
Tot Ion:	96	Resp:	142035
Ion Ratio	Lower	Upper	
96	100		
61	116.4	92.0	138.0
98	59.4	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 48.413 ug/l

RT: 6.36 min Scan# 755

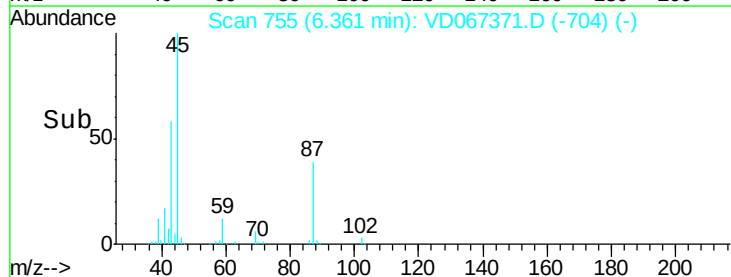
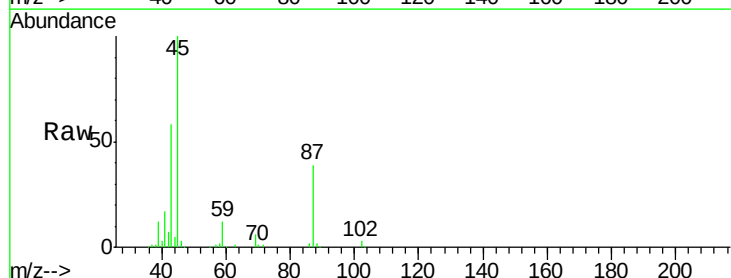
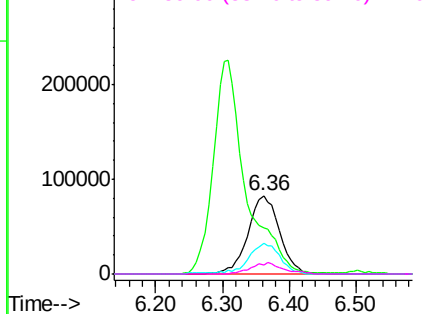
Delta R.T. 0.00 min

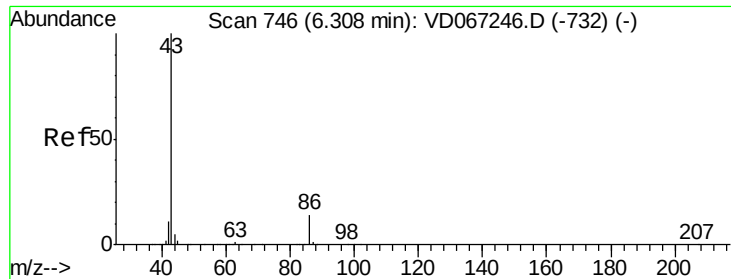
Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Tgt Ion:	45	Resp:	269587
Ion Ratio	Lower	Upper	
45	100		
43	56.4	48.0	72.0
87	38.3	28.5	42.7
59	11.3	10.5	15.7

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 242.776 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 769116

Ion Ratio Lower Upper

43 100

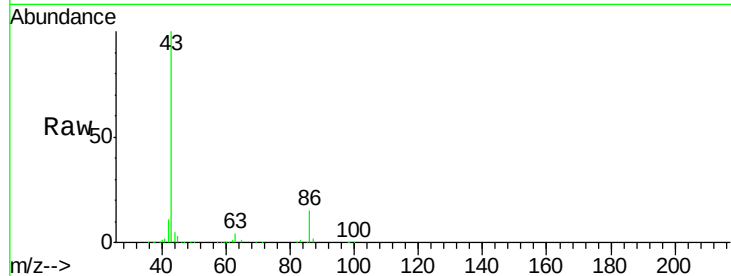
86 15.0 11.0 16.6

Manual Integrations

APPROVED

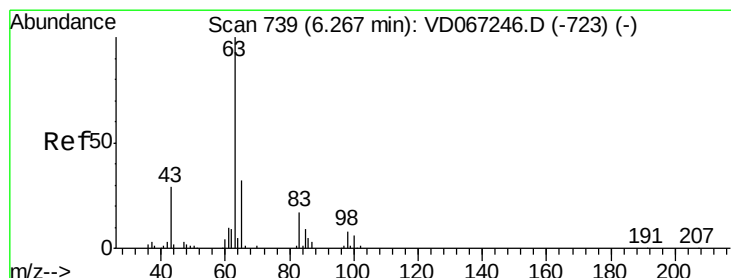
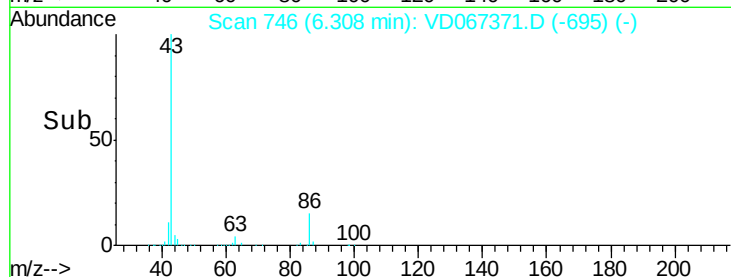
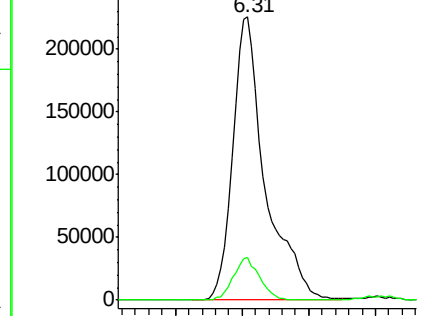
MMDadoda

10/26/2020 1:37:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.842 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

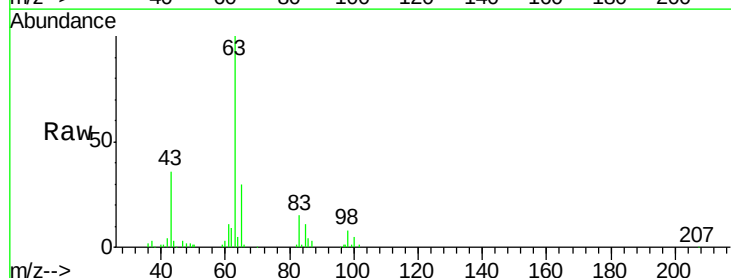
Tgt Ion: 63 Resp: 218511

Ion Ratio Lower Upper

63 100

98 7.5 4.0 12.2

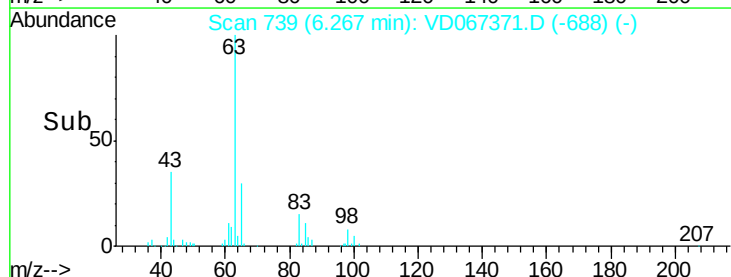
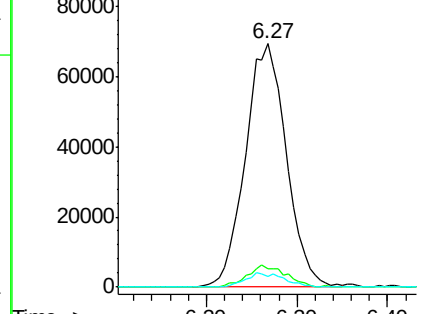
100 4.5 2.8 8.4

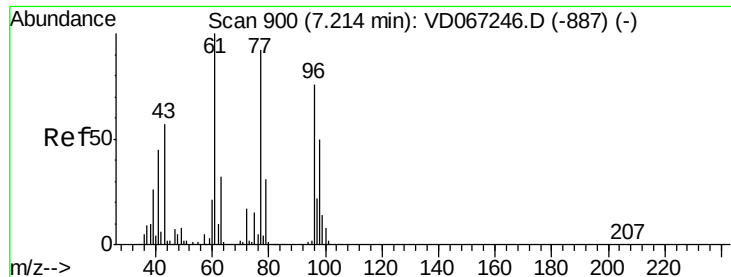


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 233.057 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 120218

Ion Ratio Lower Upper

43 100

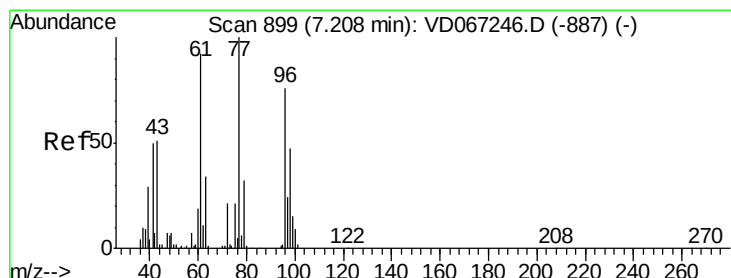
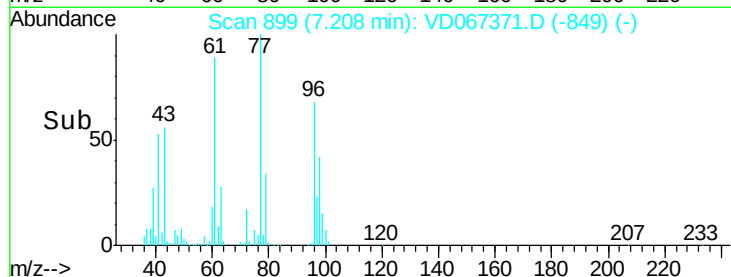
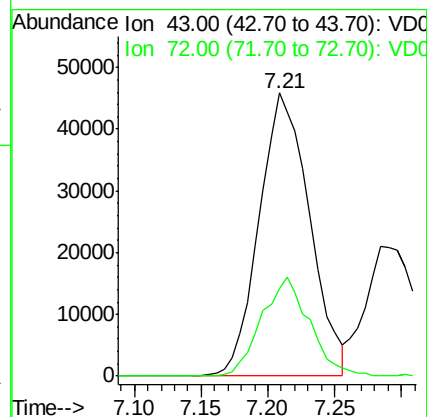
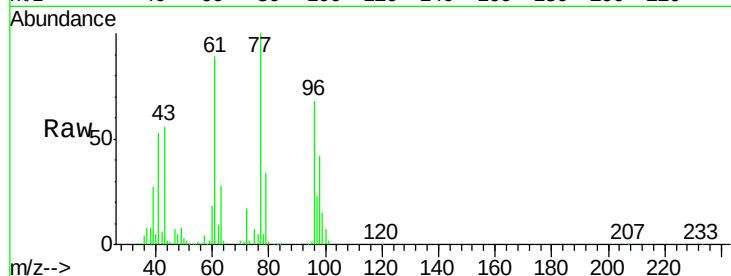
72 31.0 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:37 PM



#26

2,2-Dichloropropane

Concen: 48.393 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067371.D

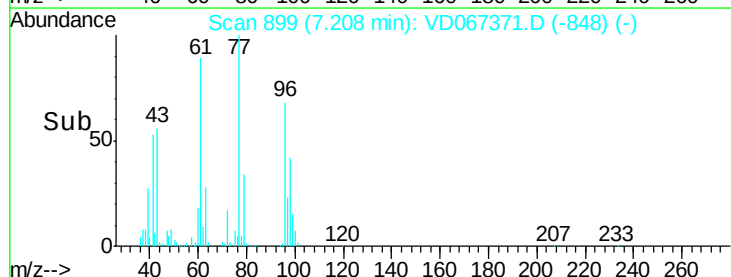
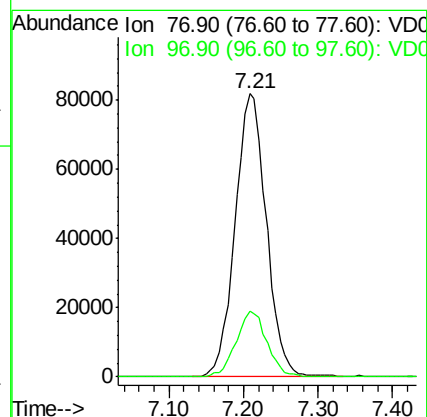
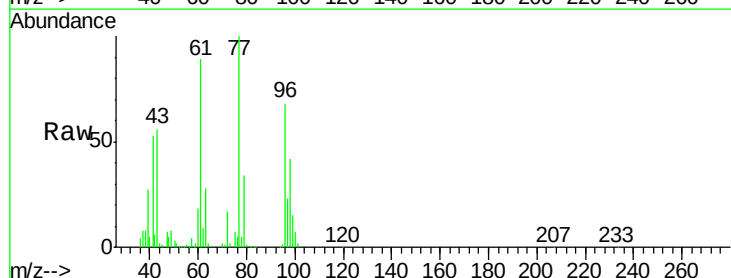
Acq: 23 Oct 2020 09:58

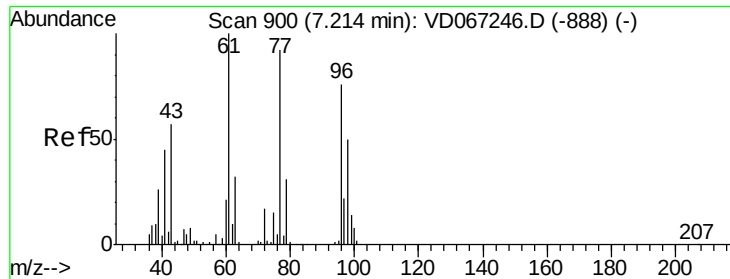
Tgt Ion: 77 Resp: 237762

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

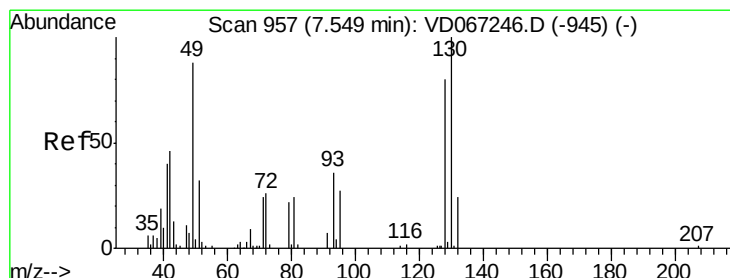
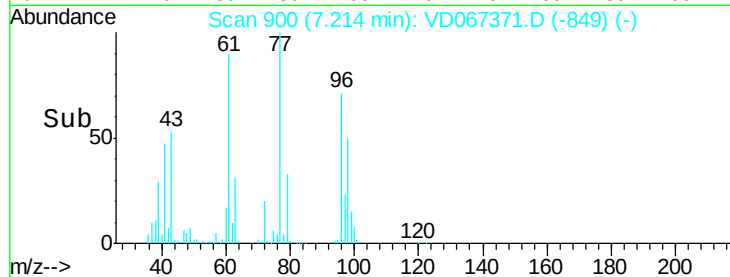
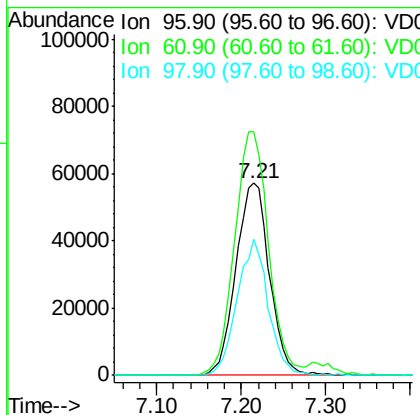
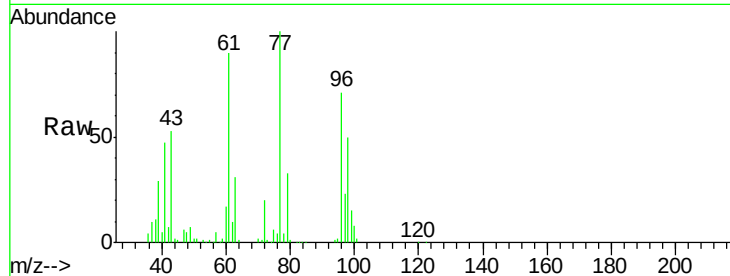
cis-1,2-Dichloroethene
Concen: 46.850 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157280		
61	128.3		0.0	255.4
98	65.4		0.0	128.0

Manual Integrations
APPROVED

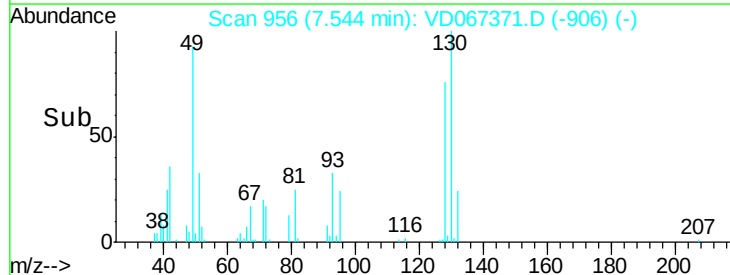
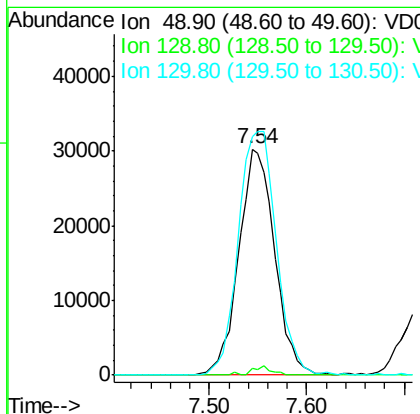
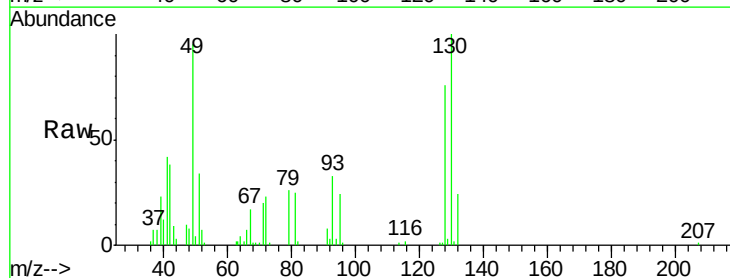
MMDadoda
10/26/2020 1:37:37 PM

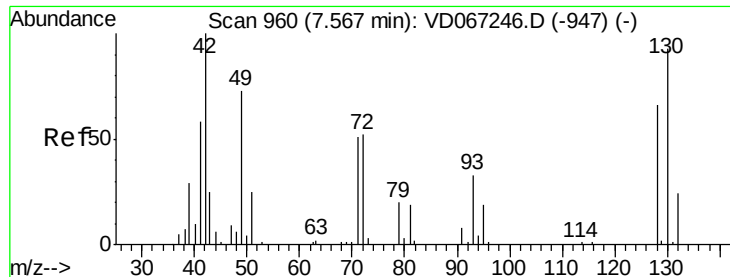


#28

Bromochloromethane
Concen: 47.551 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77311		
129	2.0		0.0	1.6#
130	114.6		91.0	136.6





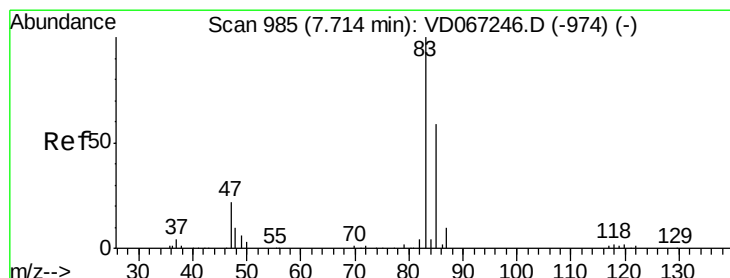
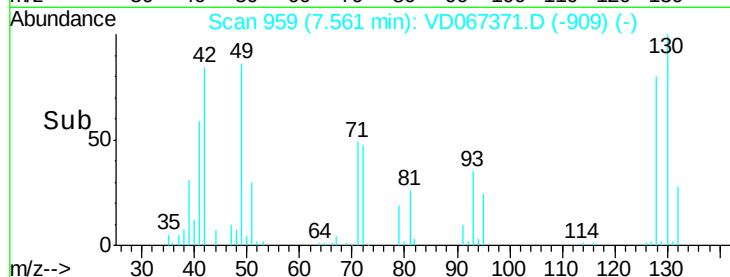
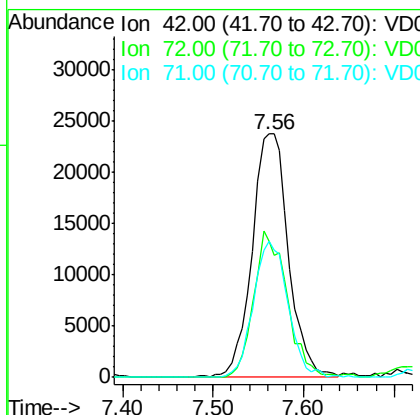
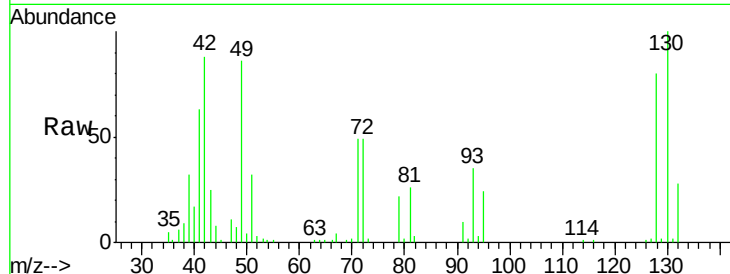
#29
Tetrahydrofuran
Concen: 231.544 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.0	43.2	64.8
71	53.2	39.4	59.0

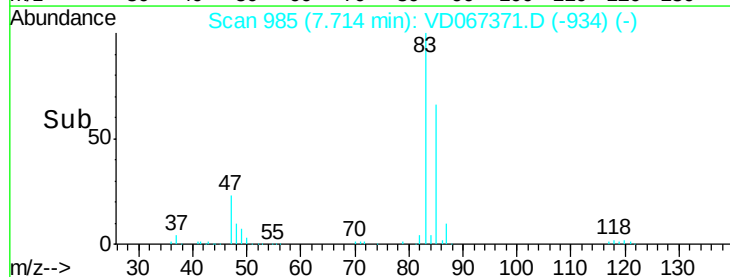
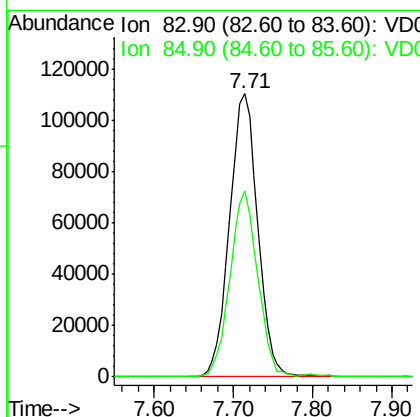
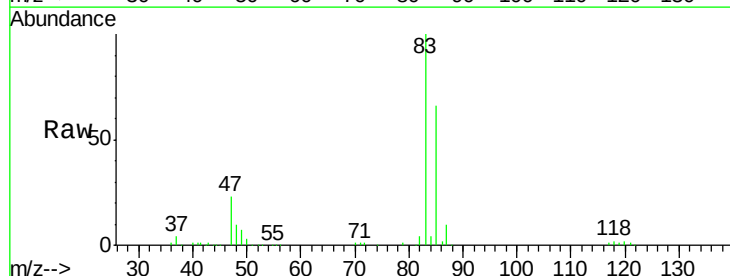
Manual Integrations
APPROVED

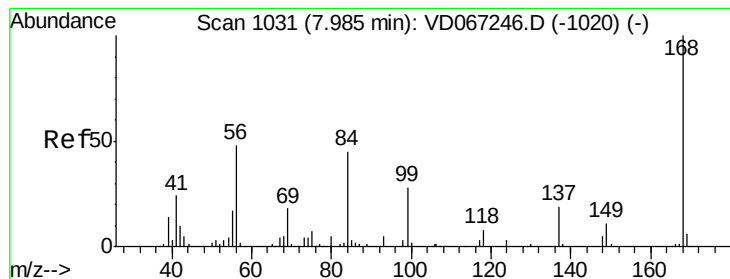
MMDadoda
10/26/2020 1:37:37 PM



#30
Chloroform
Concen: 47.842 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	47.3	70.9





#31

Cyclohexane

Concen: 45.082 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 167778

Ion Ratio Lower Upper

56 100

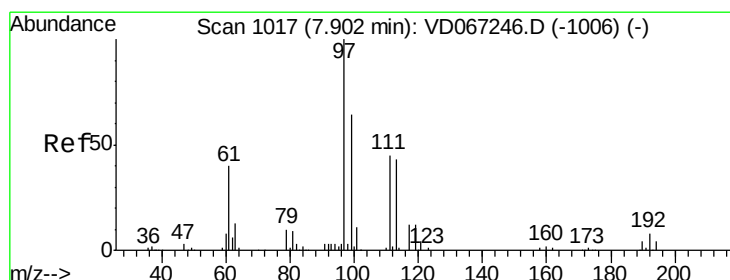
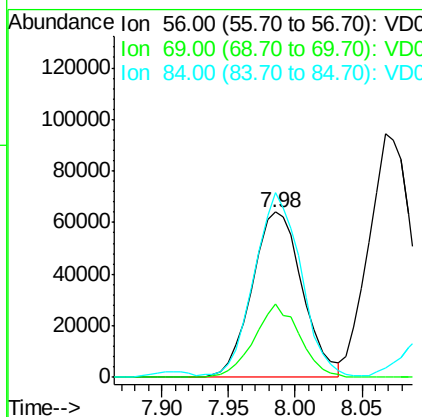
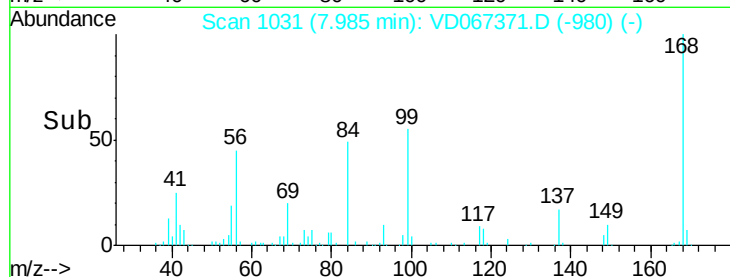
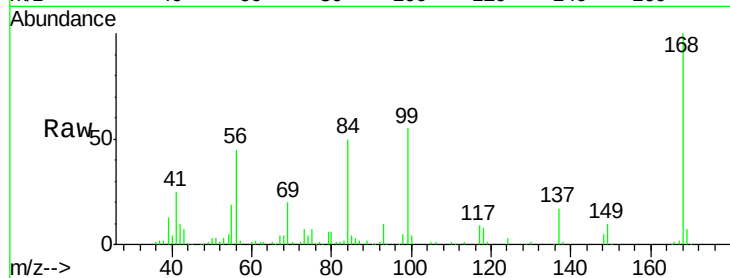
69 44.3 29.8 44.6

84 109.4 76.6 114.8

Manual Integrations
APPROVED

MMDadoda

10/26/2020 1:37:37 PM



#32

1,1,1-Trichloroethane

Concen: 48.210 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

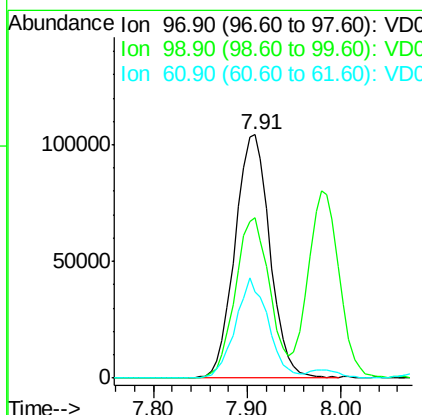
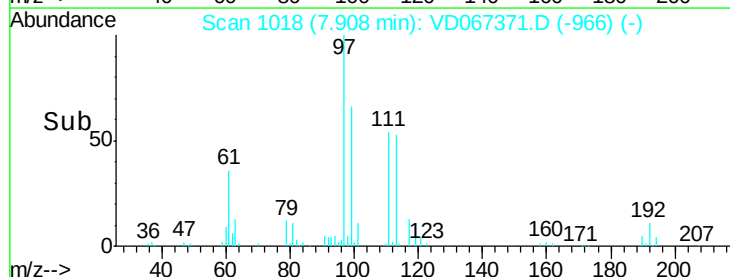
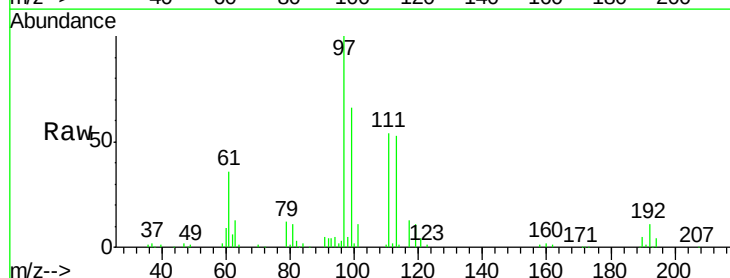
Tgt Ion: 97 Resp: 269351

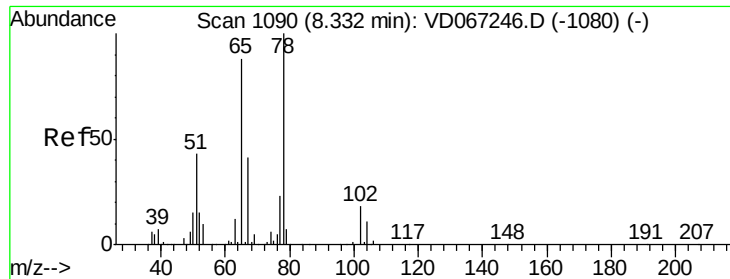
Ion Ratio Lower Upper

97 100

99 65.0 50.2 75.4

61 38.4 30.5 45.7





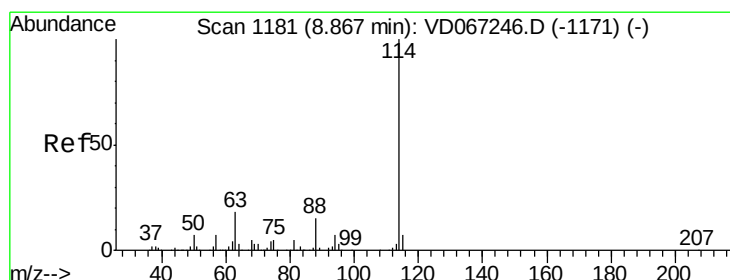
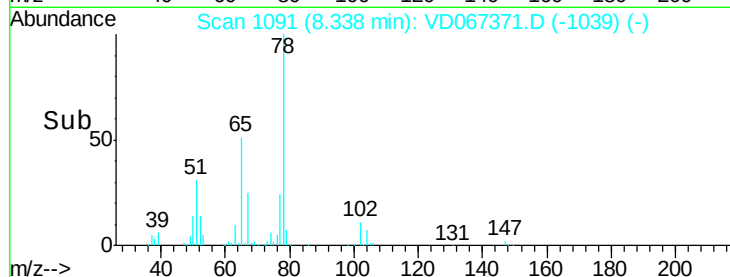
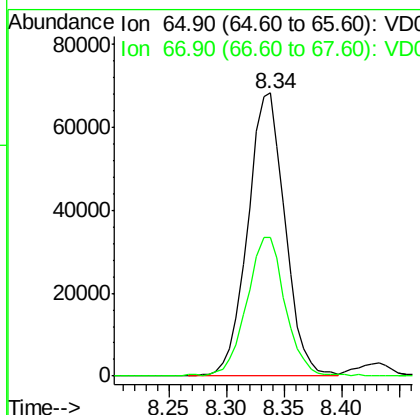
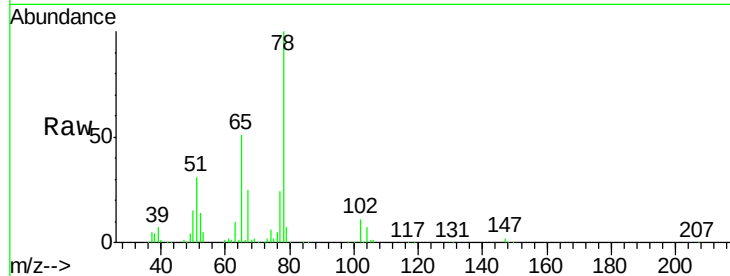
#33
 1,2-Dichloroethane-d4
 Concen: 47.544 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	103.8	

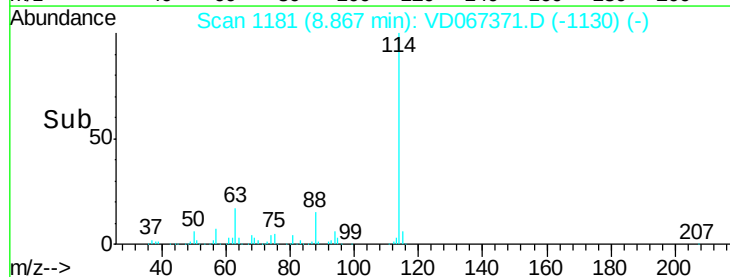
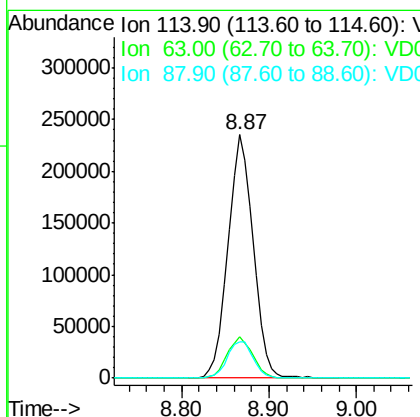
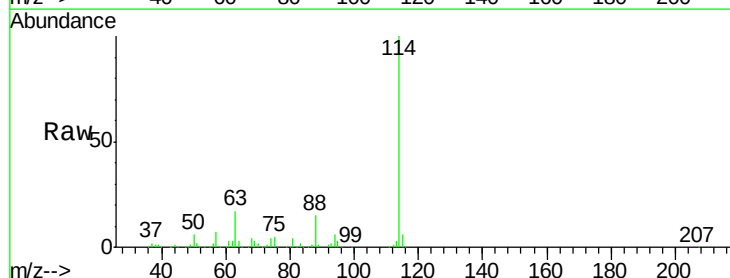
Manual Integrations
 APPROVED

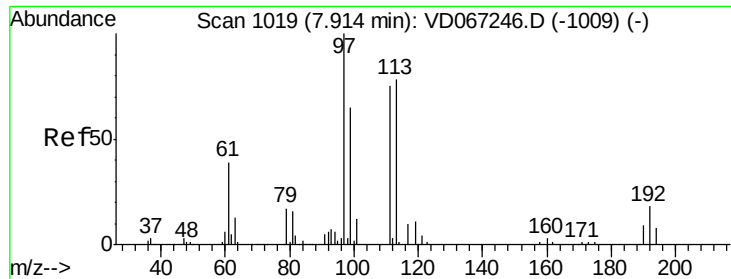
MMDadoda
 10/26/2020 1:37:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.9	0.0	35.0	
88	14.8	0.0	30.6	





#35

Dibromofluoromethane

Concen: 51.022 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

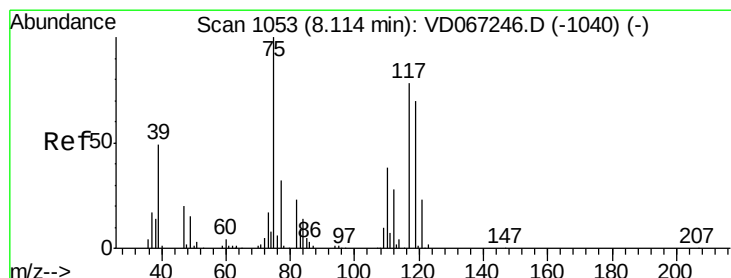
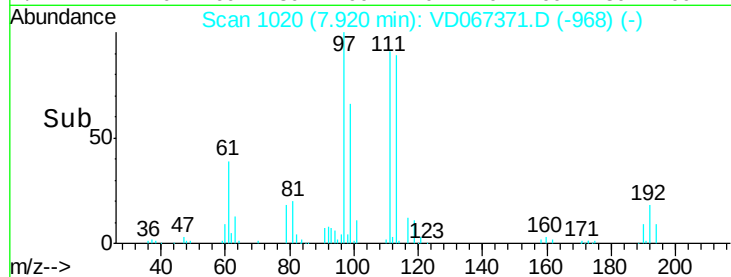
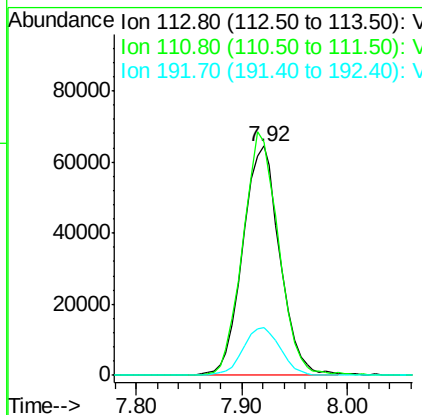
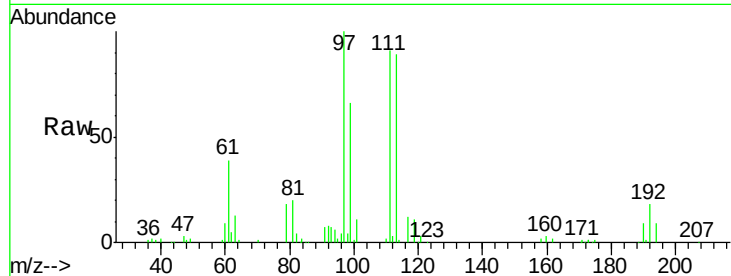
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	20.9	17.0	25.4

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM



#36

1,1-Dichloropropene

Concen: 49.887 ug/l

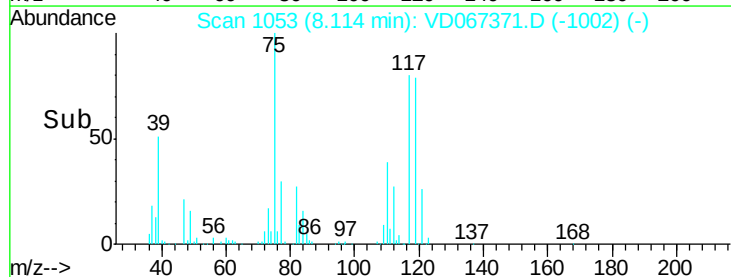
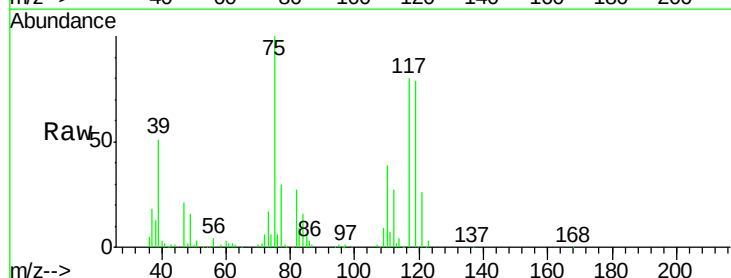
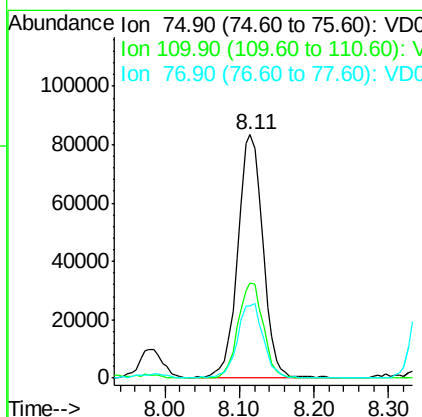
RT: 8.11 min Scan# 1053

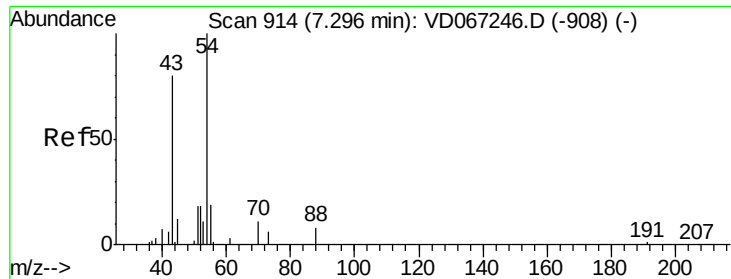
Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.6	58.7
77	31.6	24.6	37.0





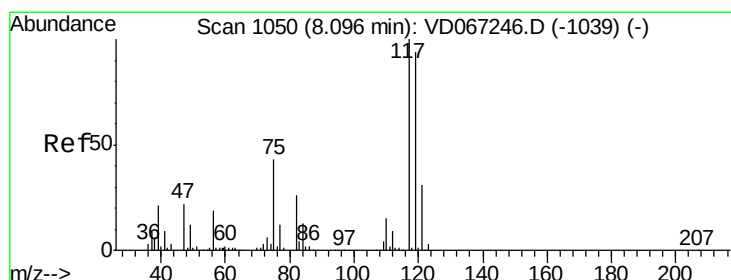
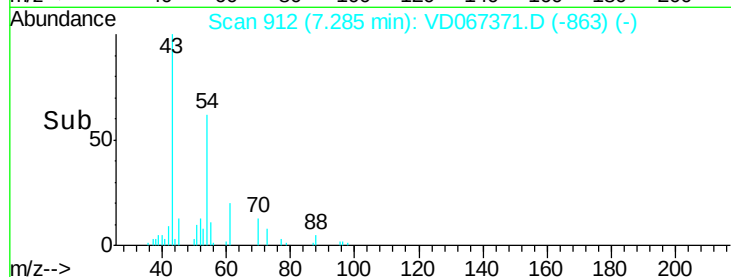
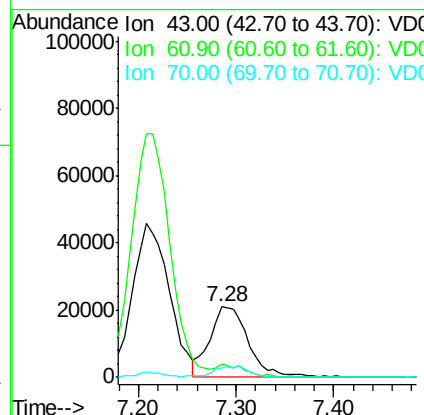
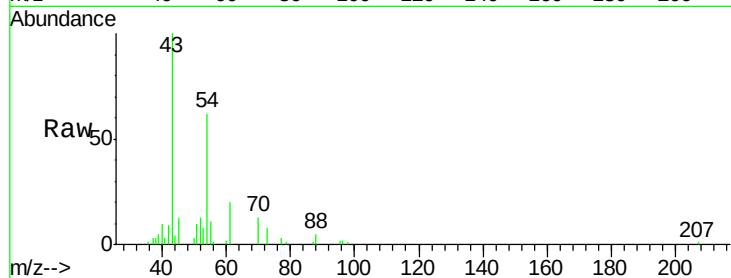
#37
Ethyl Acetate
Concen: 50.607 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	15.6	23.4#
70	13.9	10.4	15.6

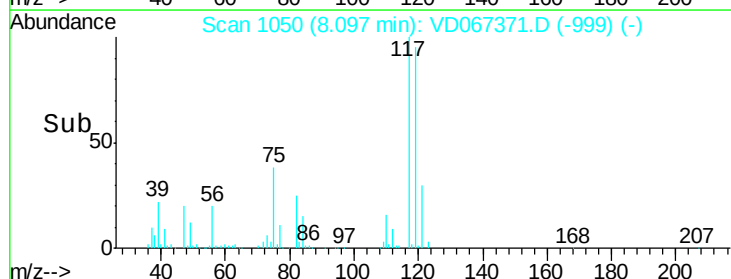
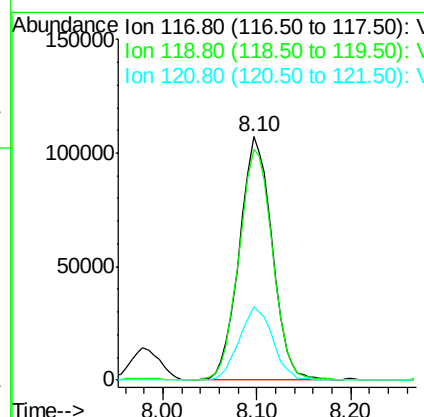
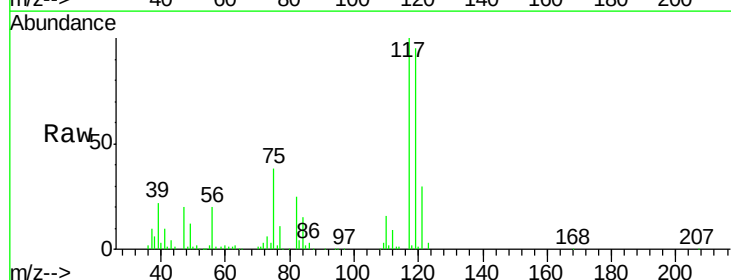
Manual Integrations
APPROVED

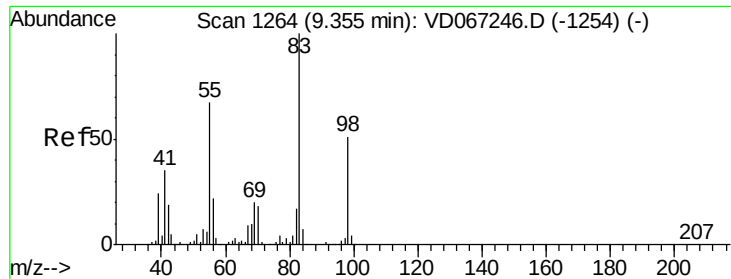
MMDadoda
10/26/2020 1:37:37 PM



#38
Carbon Tetrachloride
Concen: 51.502 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.0	112.4
121	30.2	24.9	37.3





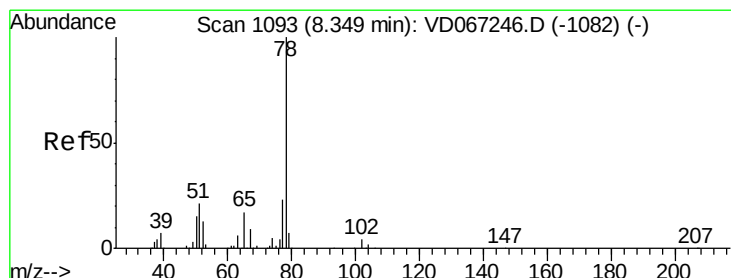
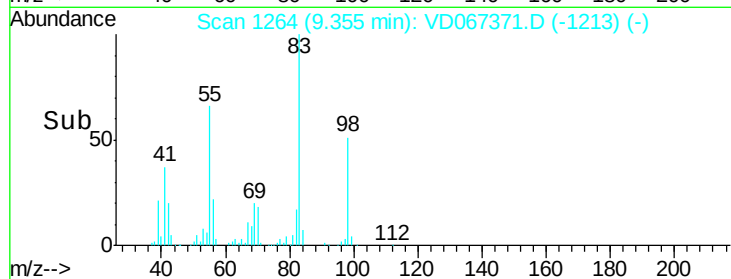
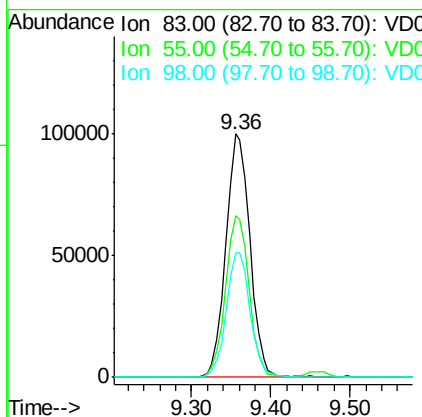
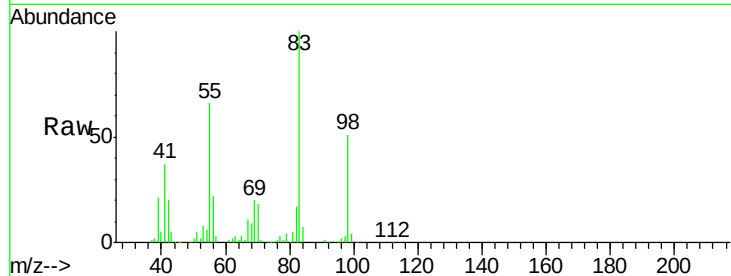
#39
Methylvlcyclohexane
Concen: 51.178 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.3	53.3	79.9	
98	51.1	41.0	61.4	

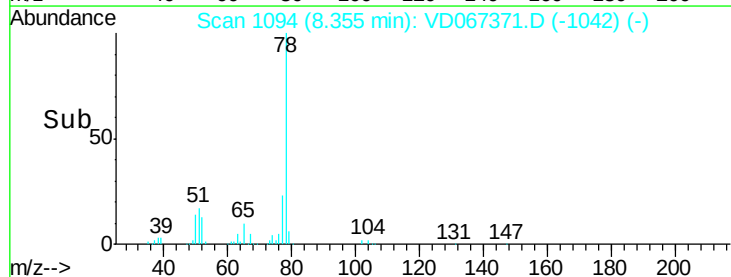
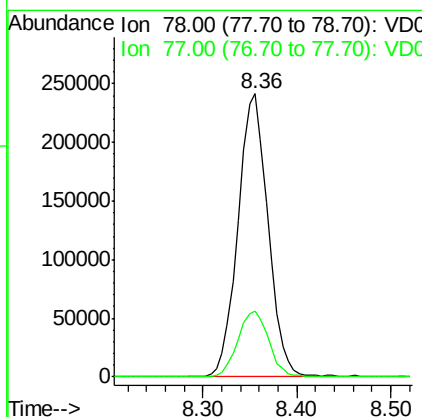
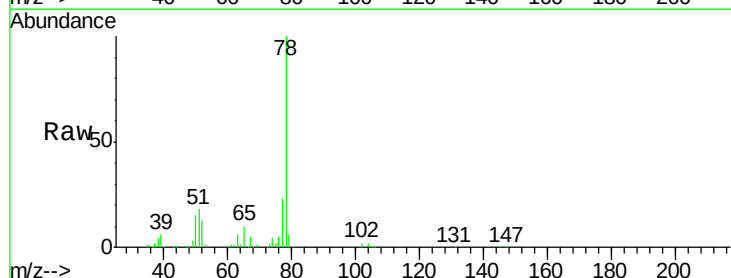
Manual Integrations
APPROVED

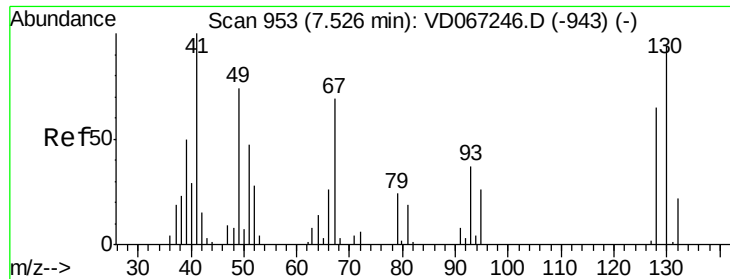
MMDadoda
10/26/2020 1:37:37 PM



#40
Benzene
Concen: 49.737 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.3	27.5	





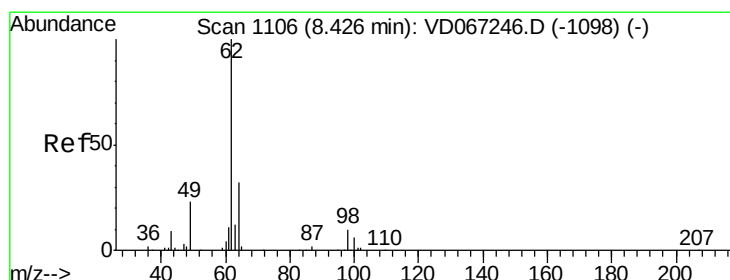
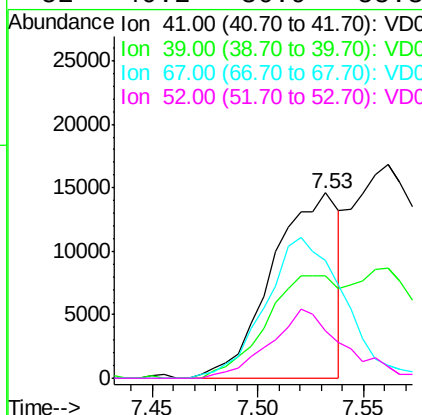
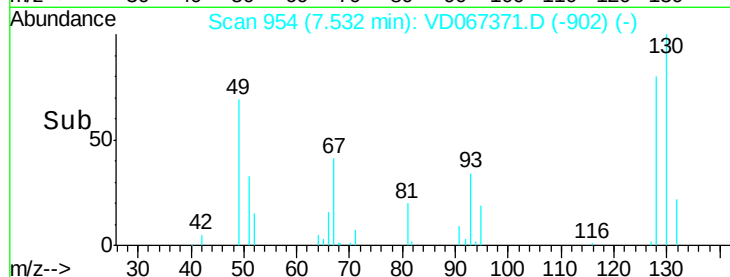
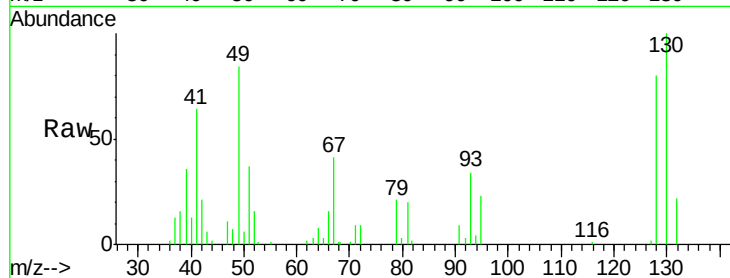
#41
Methacrylonitrile
Concen: 51.582 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	32197
Ion Ratio	Lower	Upper	
41	100		
39	59.2	60.0	90.0#
67	88.8	88.9	133.3#
52	40.2	36.9	55.3

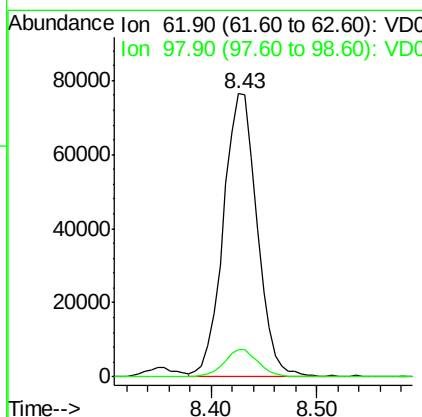
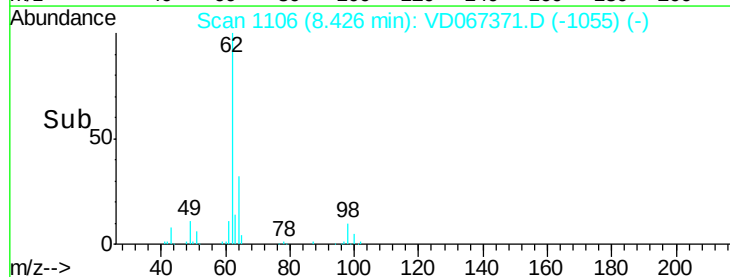
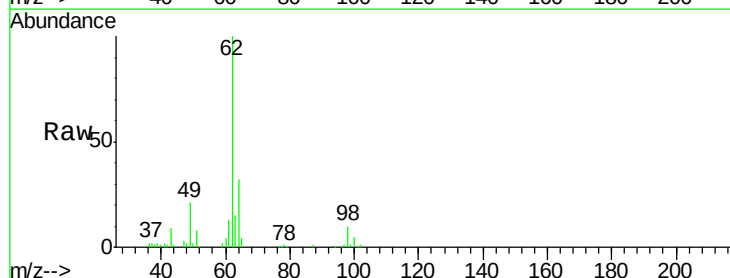
Manual Integrations
APPROVED

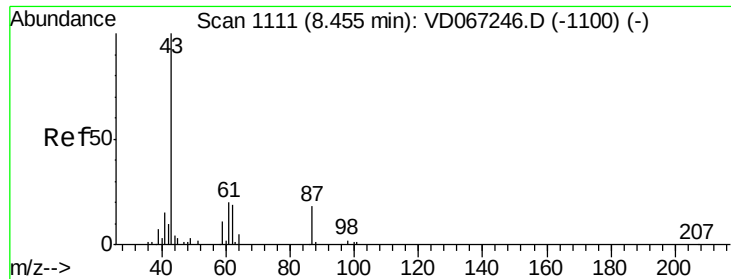
MMDadoda
10/26/2020 1:37:37 PM



#42
1,2-Dichloroethane
Concen: 50.315 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	62	Resp	169590
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	19.4





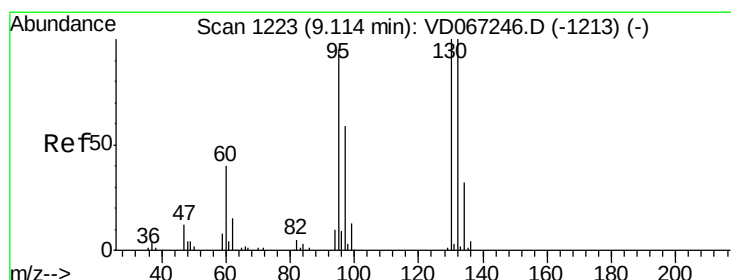
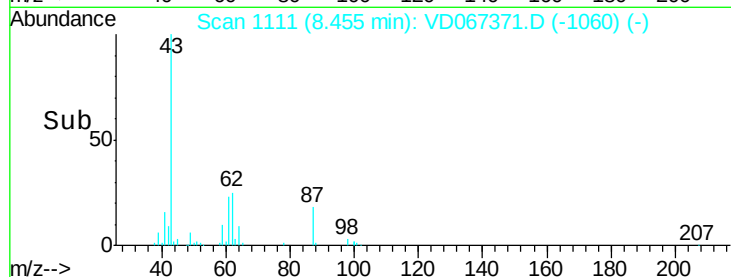
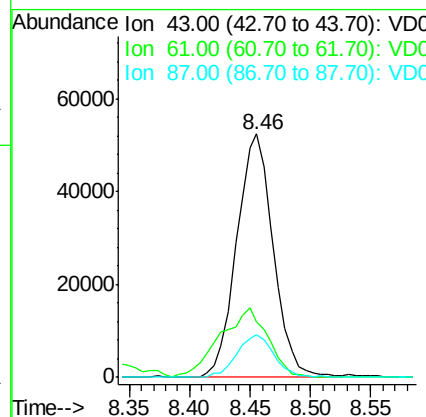
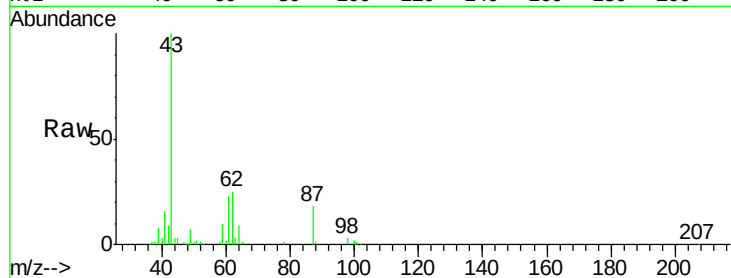
#43
Isopropyl Acetate
Concen: 48.324 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.2	29.5	44.3
87	17.7	14.2	21.4

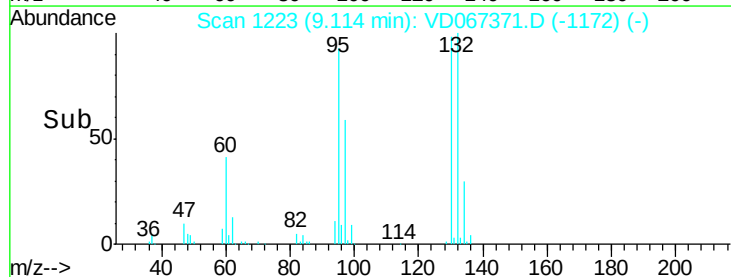
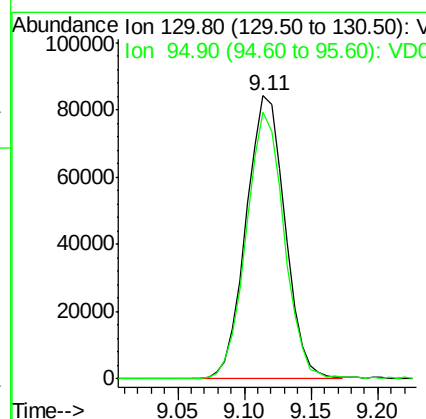
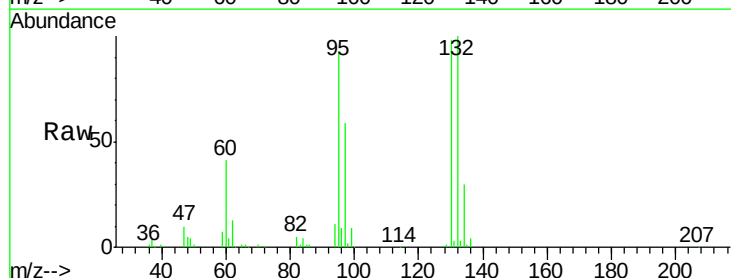
Manual Integrations
APPROVED

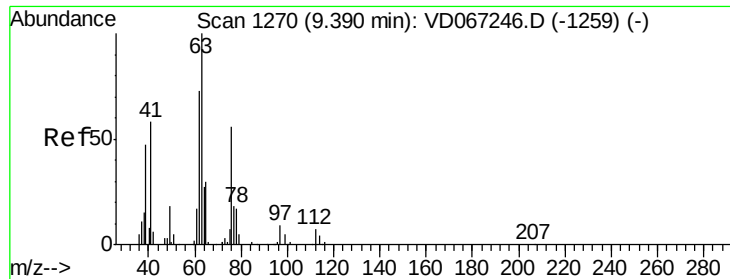
MMDadoda
10/26/2020 1:37:37 PM



#44
Trichloroethene
Concen: 49.282 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	190.6





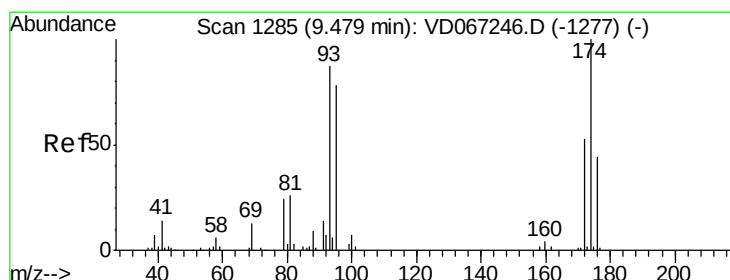
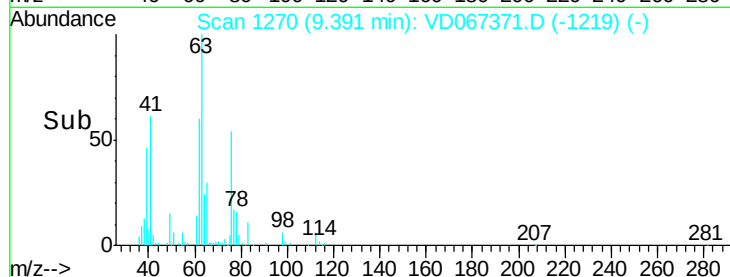
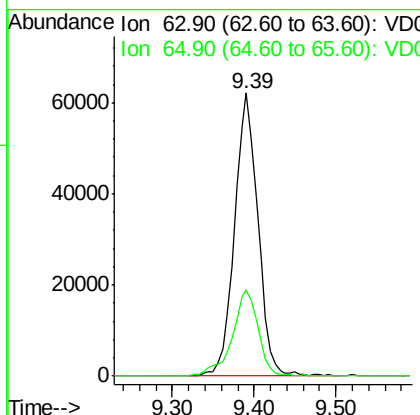
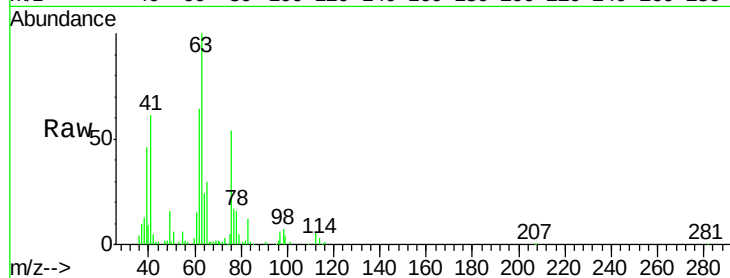
#45
 1,2-Dichloropropane
 Concen: 49.715 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

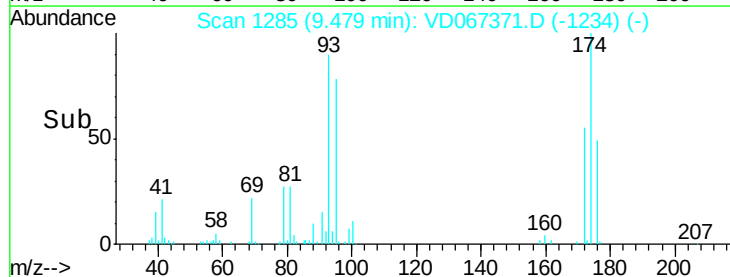
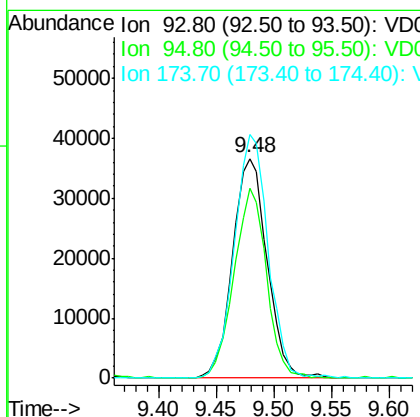
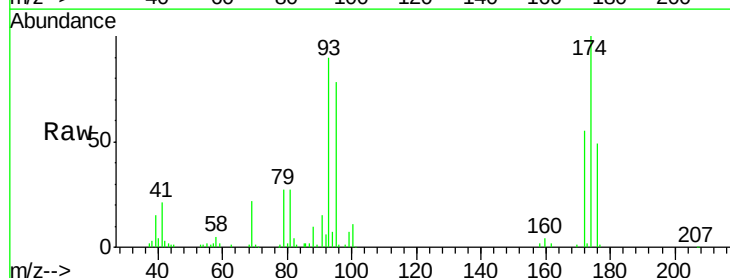
Manual Integrations
 APPROVED

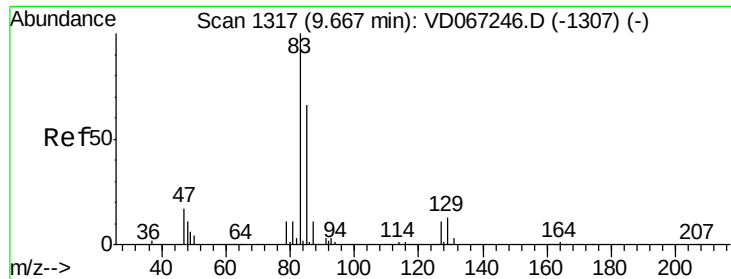
MMDadoda
 10/26/2020 1:37:37 PM



#46
 Dibromomethane
 Concen: 48.826 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	68.0	102.0
174	108.8	91.8	137.6





#47

Bromodichloromethane

Concen: 49.711 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

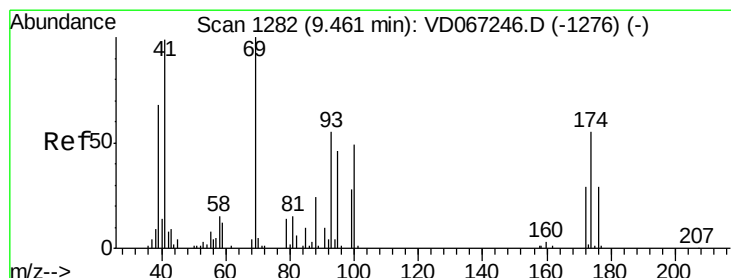
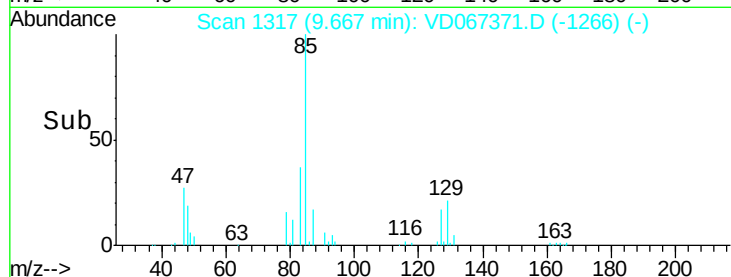
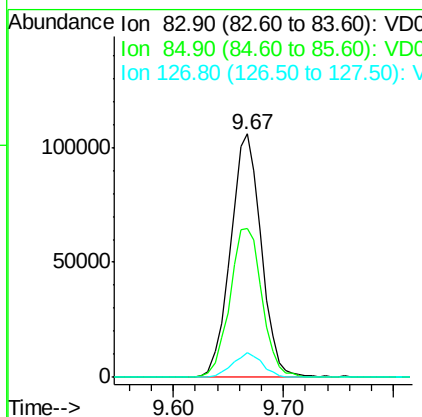
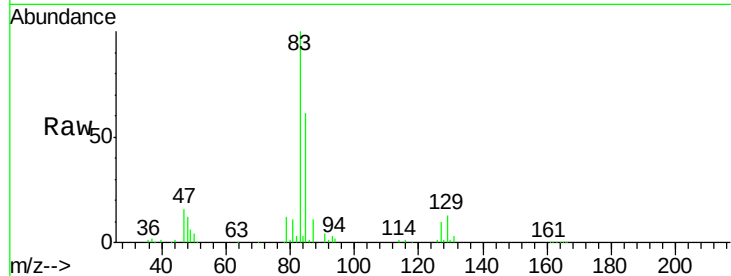
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	207132
Ion Ratio	Lower	Upper	
83	100		
85	60.9	53.1	79.7
127	10.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM



#48

Methyl methacrylate

Concen: 47.668 ug/l

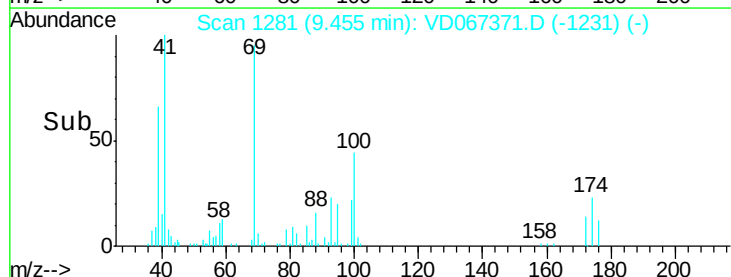
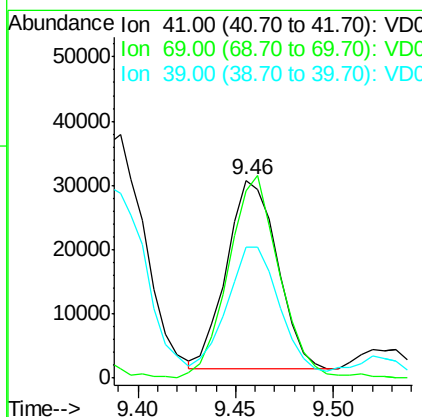
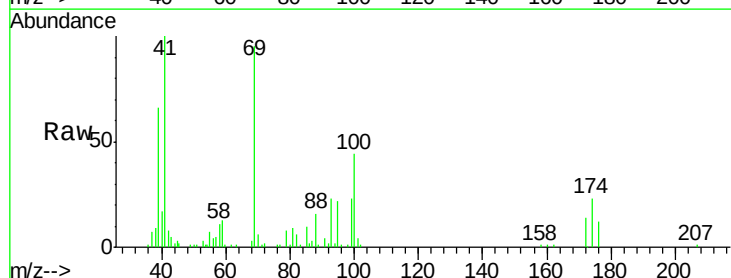
RT: 9.46 min Scan# 1281

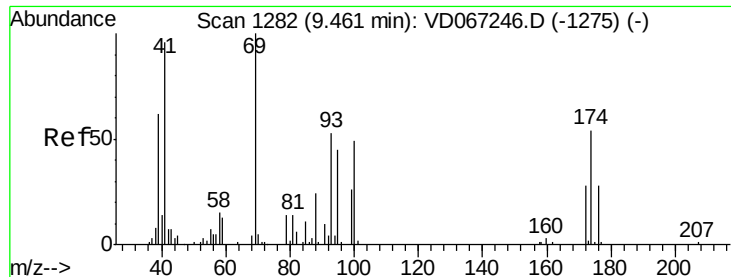
Delta R.T. -0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Tgt Ion:	41	Resp:	53094
Ion Ratio	Lower	Upper	
41	100		
69	108.2	89.0	133.6
39	75.1	60.2	90.2





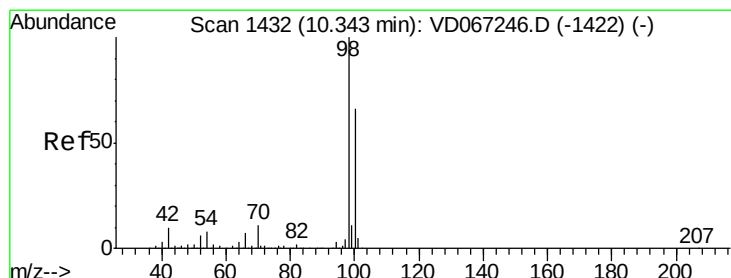
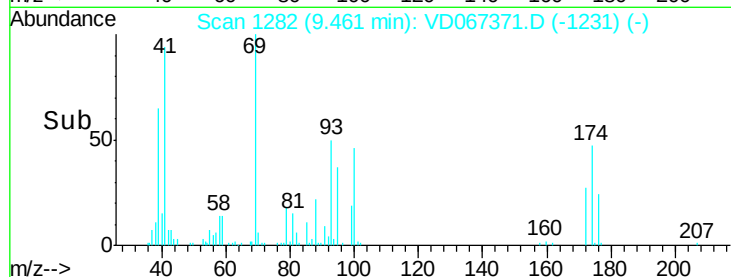
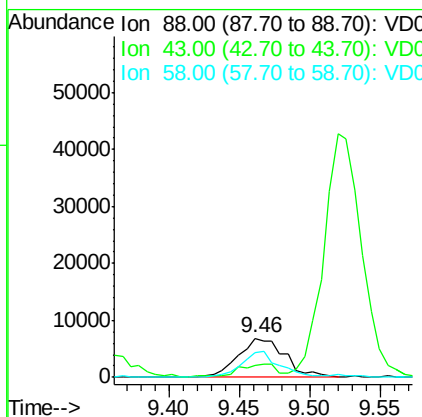
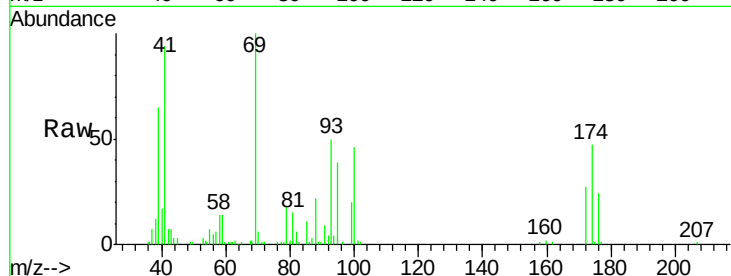
#49
1,4-Dioxane
Concen: 1058.714 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15907
Ion	Ratio	Lower	Upper
88	100		
43	27.8	23.9	35.9
58	53.6	51.0	76.6

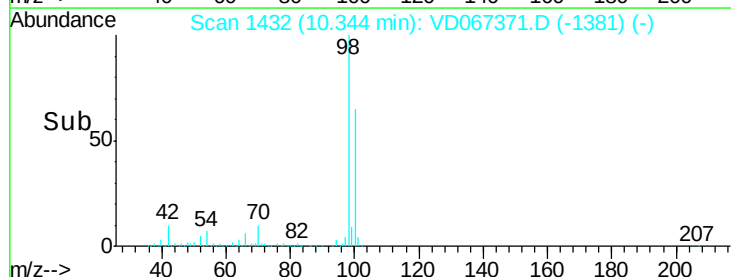
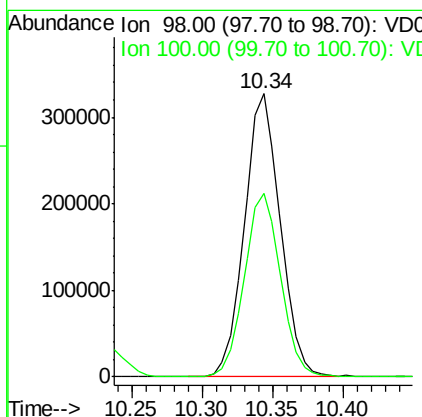
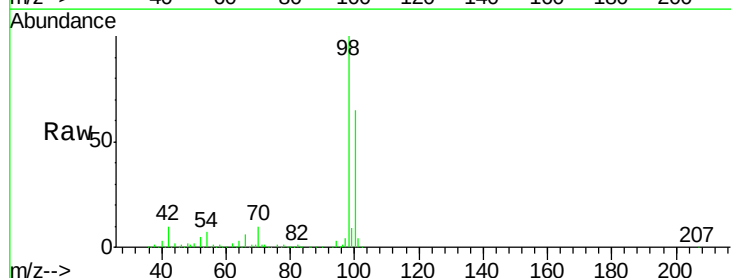
Manual Integrations
APPROVED

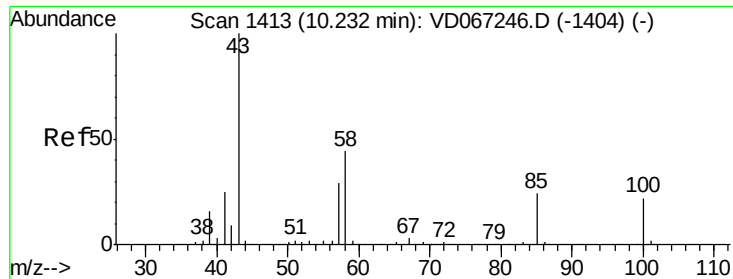
MMDadoda
10/26/2020 1:37:37 PM



#50
Toluene-d8
Concen: 52.246 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	98	Resp	582842
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 244.295 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 279270

Ion Ratio Lower Upper

43 100

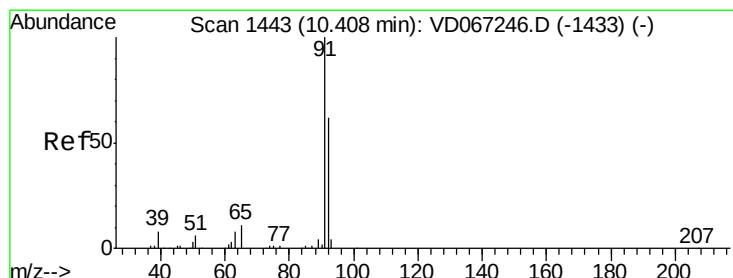
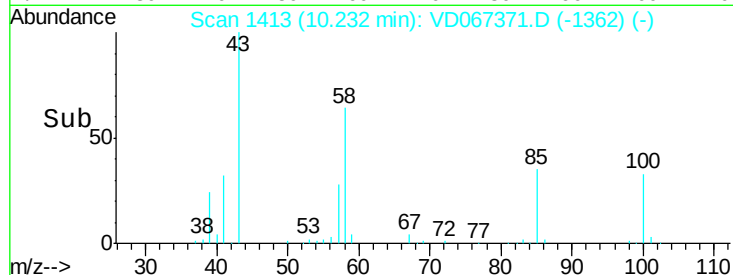
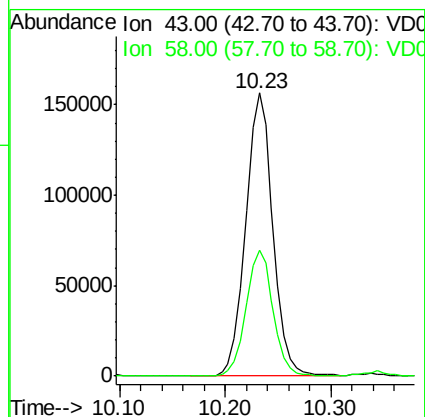
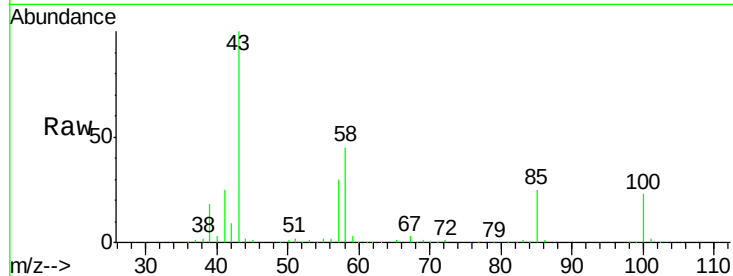
58 44.2 35.7 53.5

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:37 PM



#52

Toluene

Concen: 50.594 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067371.D

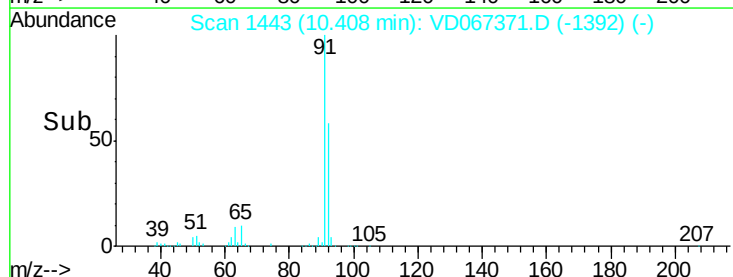
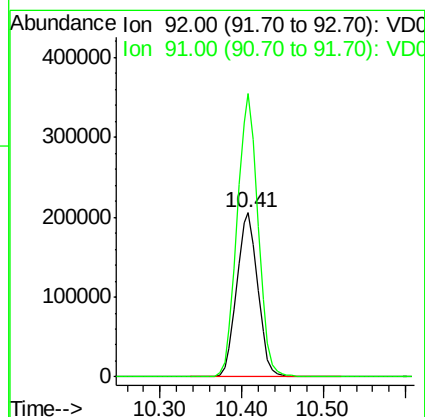
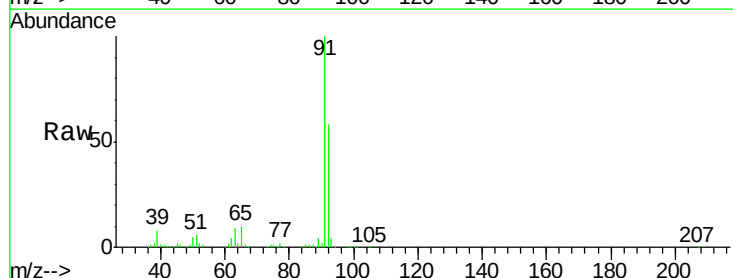
Acq: 23 Oct 2020 09:58

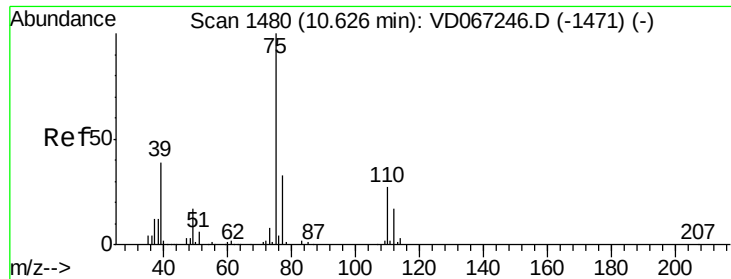
Tgt Ion: 92 Resp: 371139

Ion Ratio Lower Upper

92 100

91 170.3 133.8 200.8





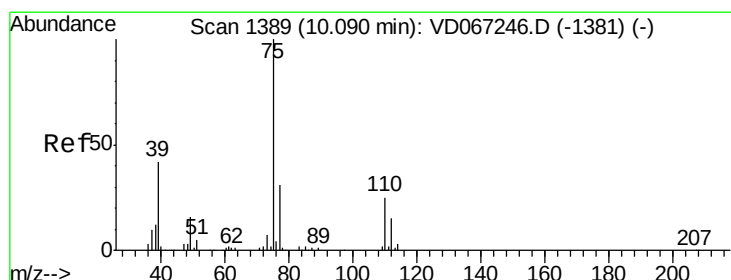
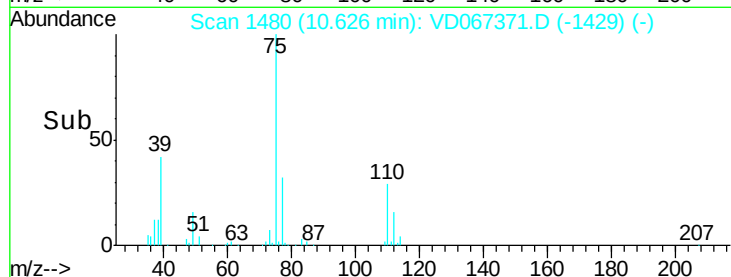
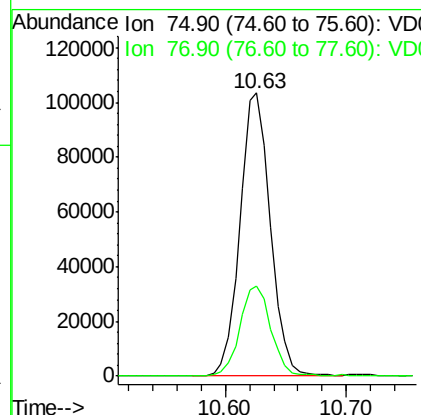
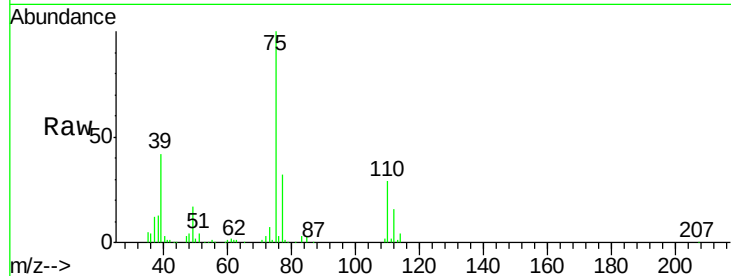
#53
t-1,3-Dichloropropene
Concen: 49.656 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 181753
Ion Ratio Lower Upper
75 100
77 32.0 26.5 39.7

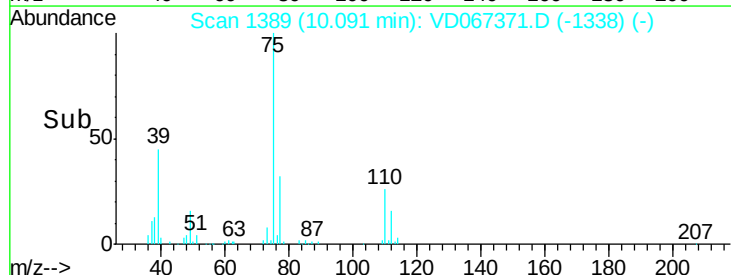
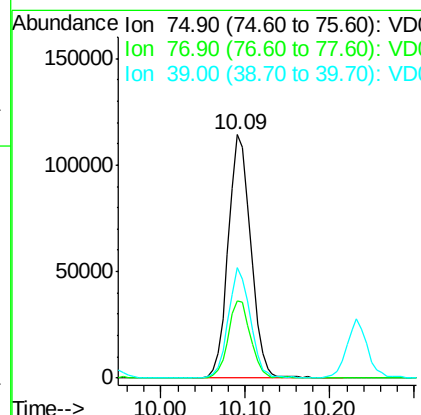
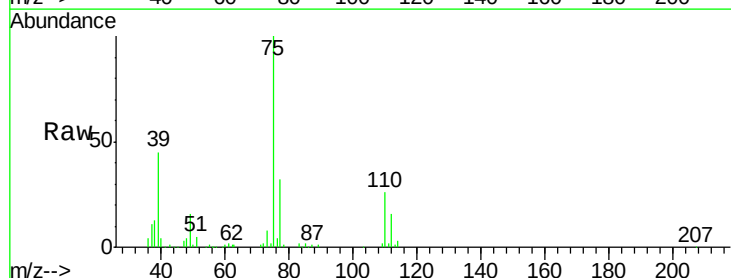
Manual Integrations
APPROVED

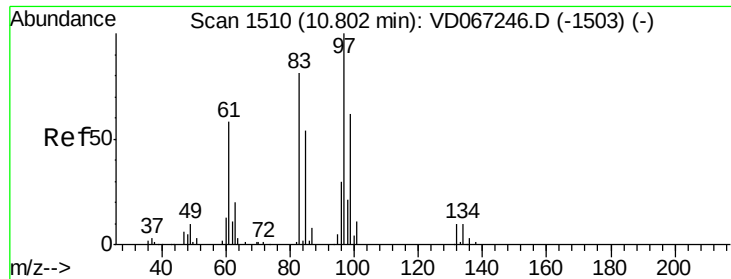
MMDadoda
10/26/2020 1:37:37 PM



#54
cis-1,3-Dichloropropene
Concen: 49.383 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion: 75 Resp: 211540
Ion Ratio Lower Upper
75 100
77 31.7 24.5 36.7
39 44.9 33.7 50.5





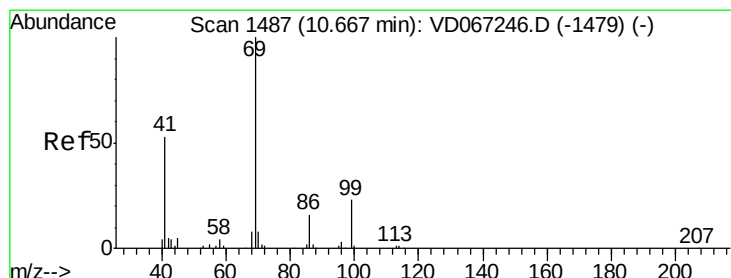
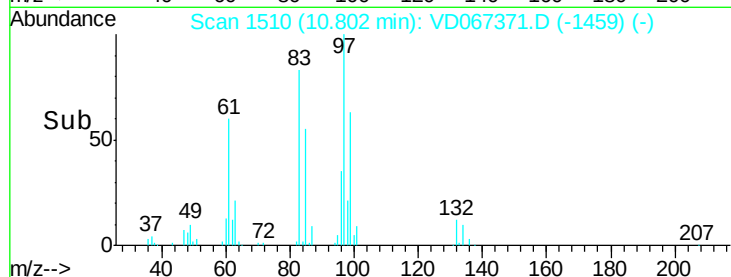
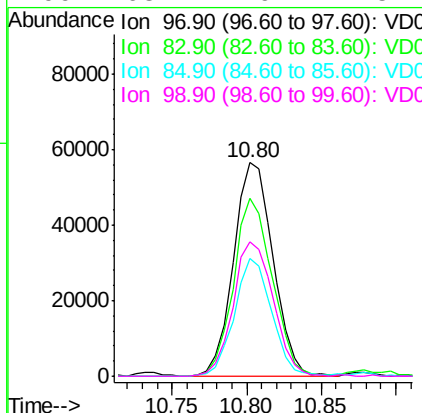
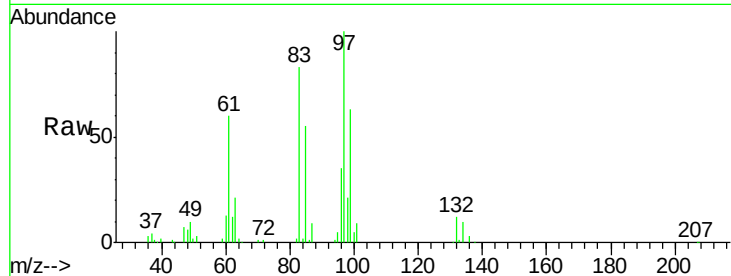
#55
 1,1,2-Trichloroethane
 Concen: 49.175 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	104286
Ion	Ratio	Lower	Upper
97	100		
83	83.2	64.9	97.3
85	54.9	43.3	64.9
99	63.1	49.1	73.7

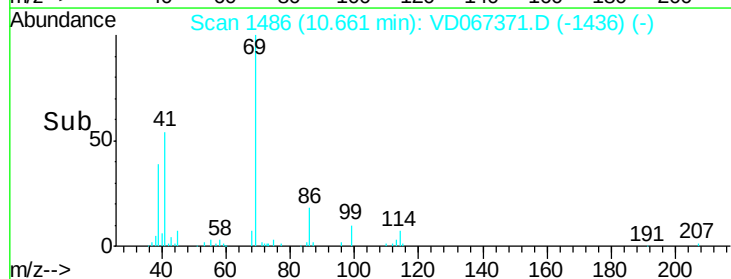
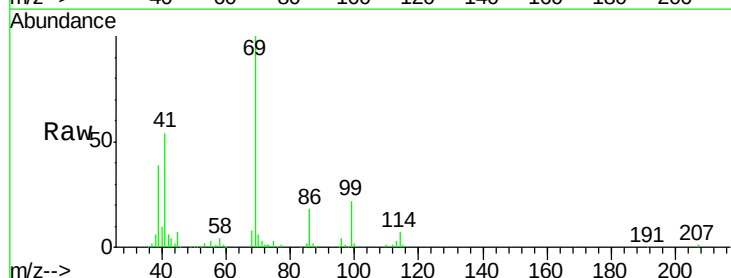
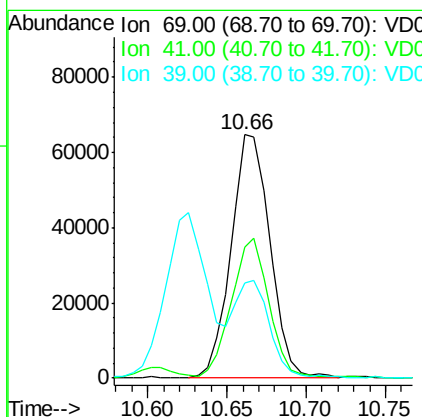
Manual Integrations
 APPROVED

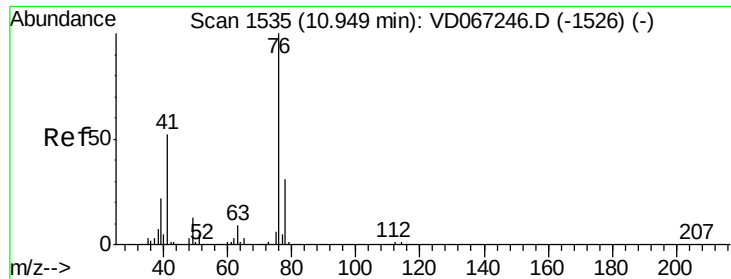
MMDadoda
 10/26/2020 1:37:37 PM



#56
 Ethyl methacrylate
 Concen: 50.217 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	69	Resp	110449
Ion	Ratio	Lower	Upper
69	100		
41	54.0	44.7	67.1
39	35.7	26.2	39.2





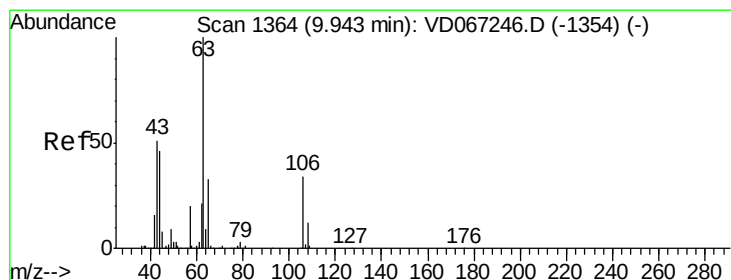
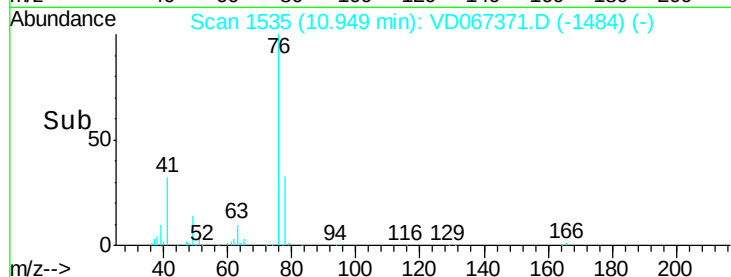
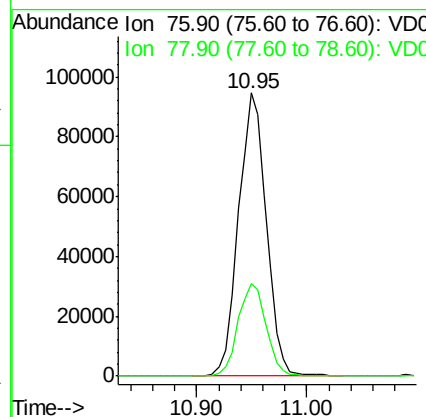
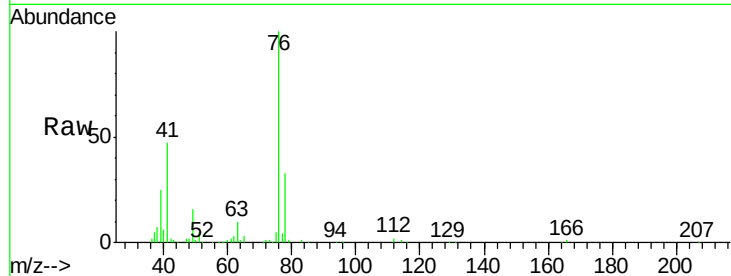
#57
 1,3-Dichloropropane
 Concen: 49.667 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 167626
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.8 40.2

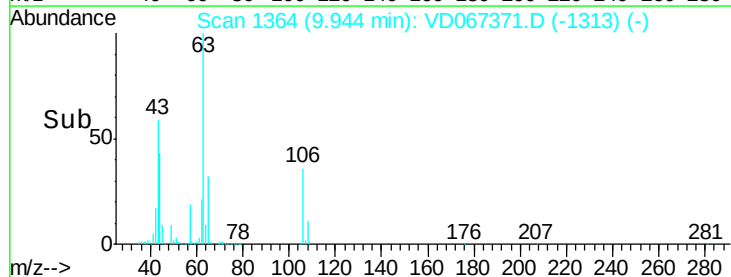
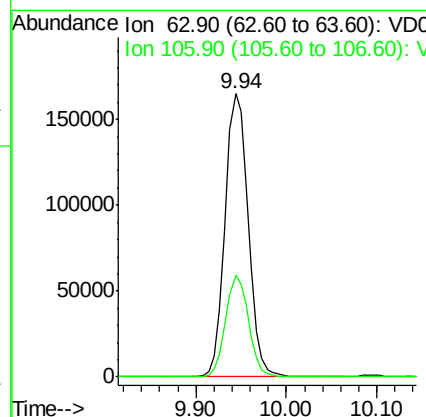
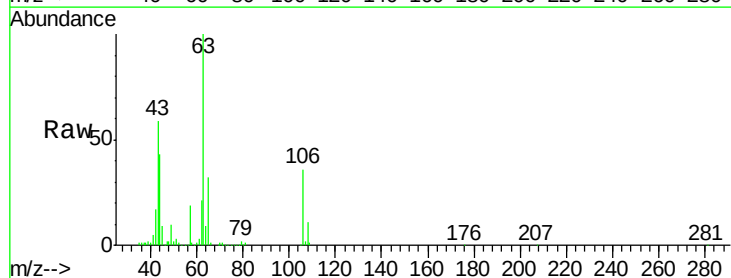
Manual Integrations
 APPROVED

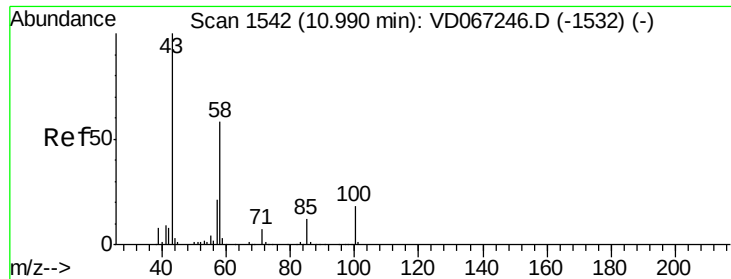
MMDadoda
 10/26/2020 1:37:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.675 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion: 63 Resp: 292992
 Ion Ratio Lower Upper
 63 100
 106 35.5 27.8 41.6





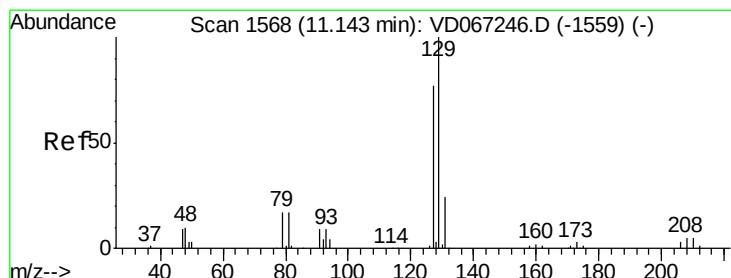
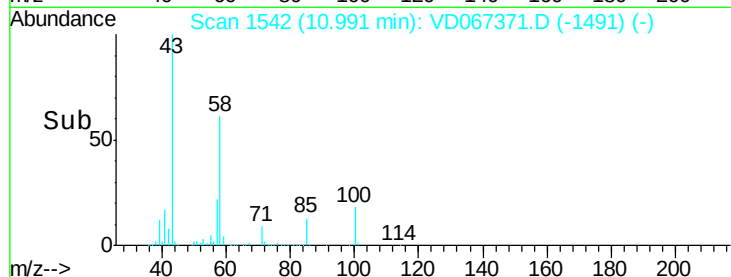
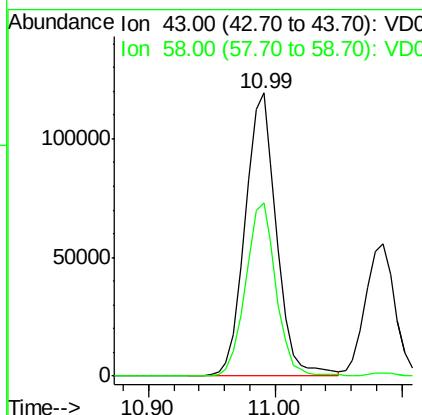
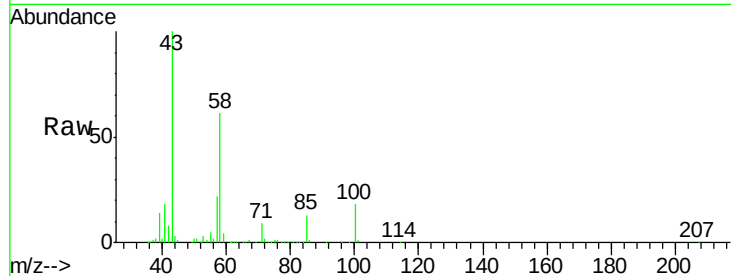
#59
2-Hexanone
Concen: 262.351 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.3	87.9

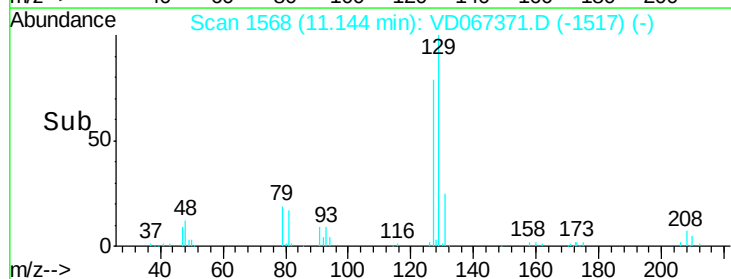
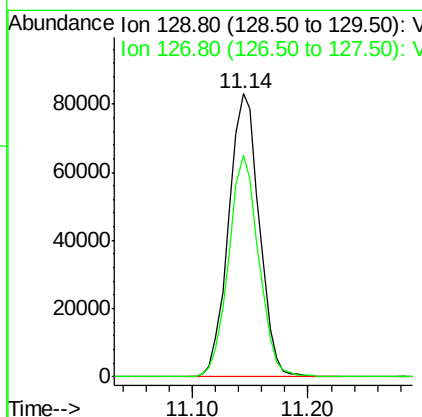
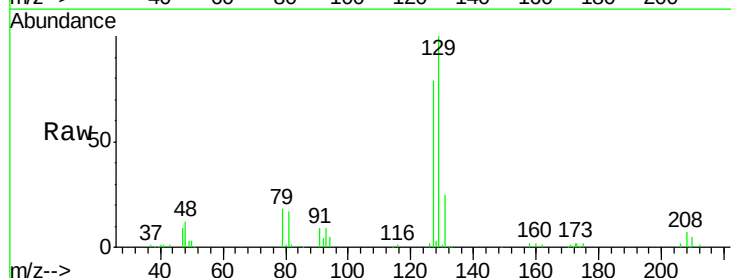
Manual Integrations
APPROVED

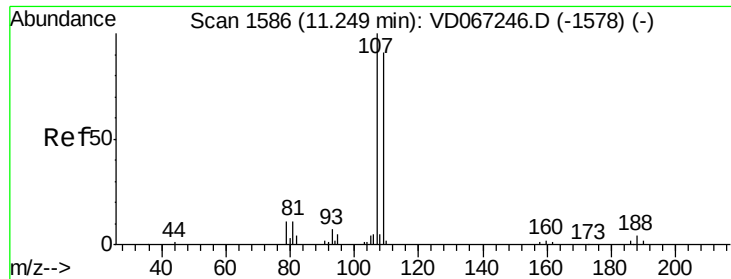
MMDadoda
10/26/2020 1:37:37 PM



#60
Dibromochloromethane
Concen: 49.368 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.8





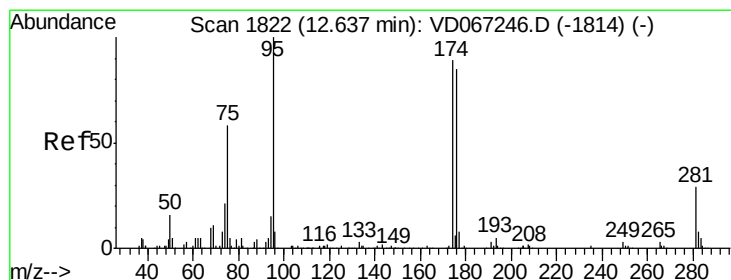
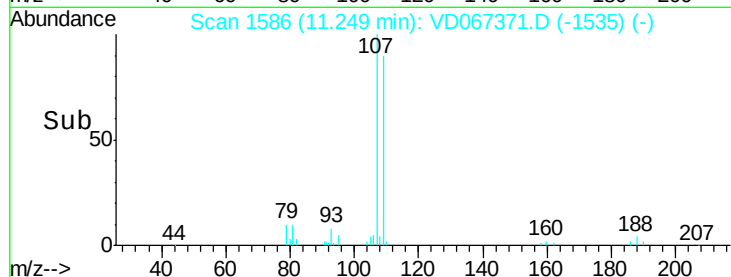
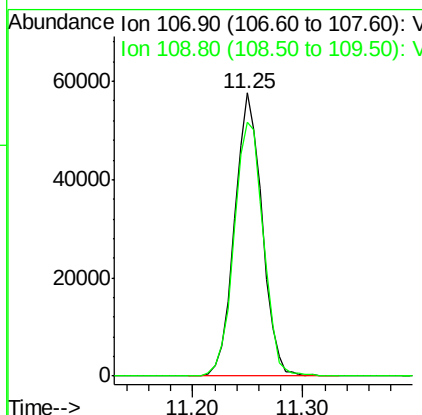
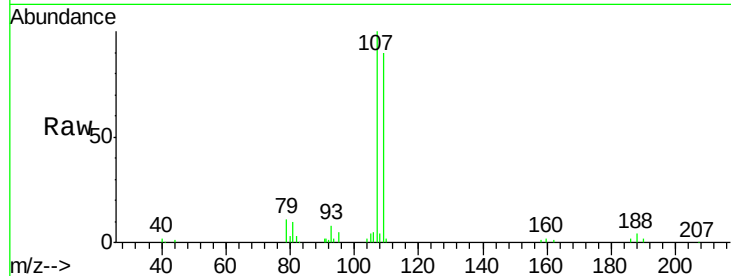
#61
 1,2-Dibromoethane
 Concen: 48.248 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.6	112.0

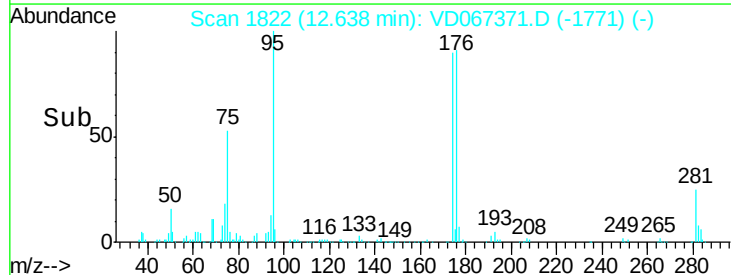
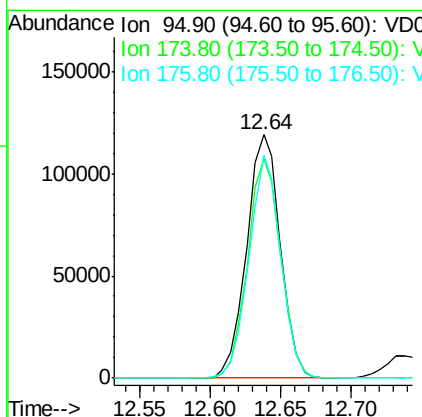
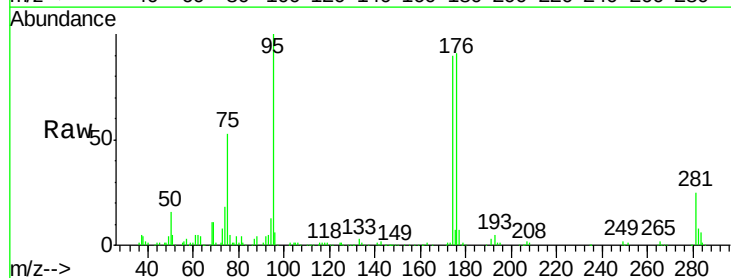
Manual Integrations
 APPROVED

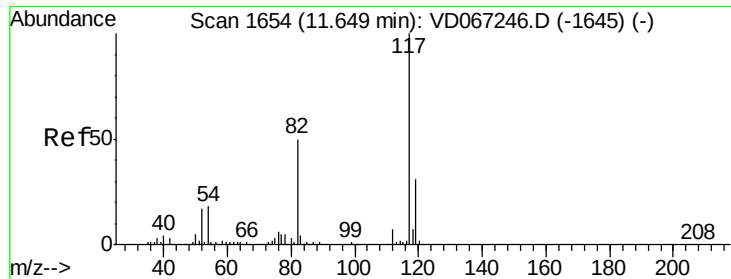
MMDadoda
 10/26/2020 1:37:37 PM



#62
 4-Bromofluorobenzene
 Concen: 51.423 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	175.2
176	86.6	0.0	168.6





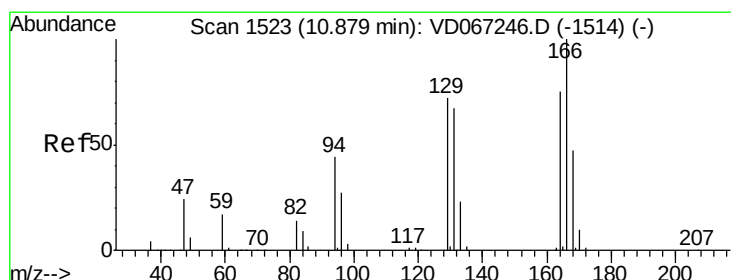
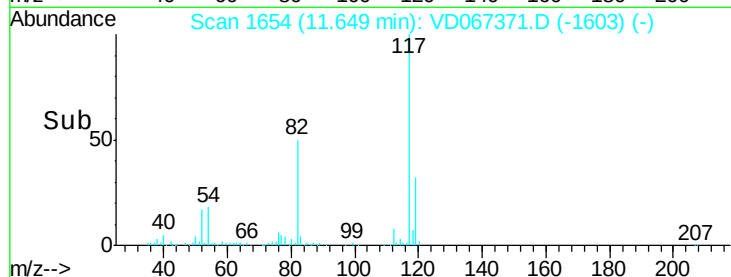
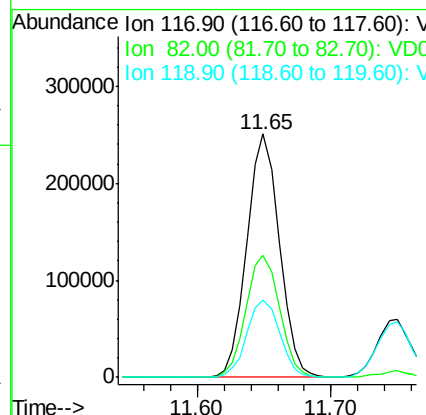
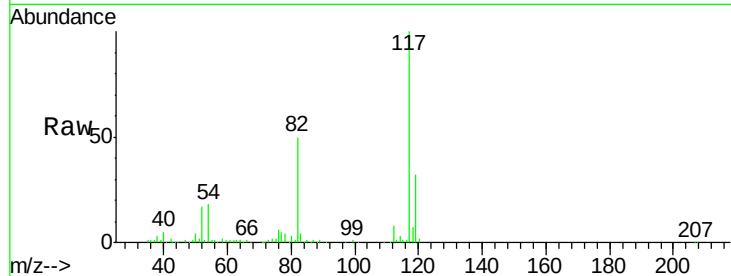
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	423239		
82	50.3		39.9	59.9
119	31.6		24.9	37.3

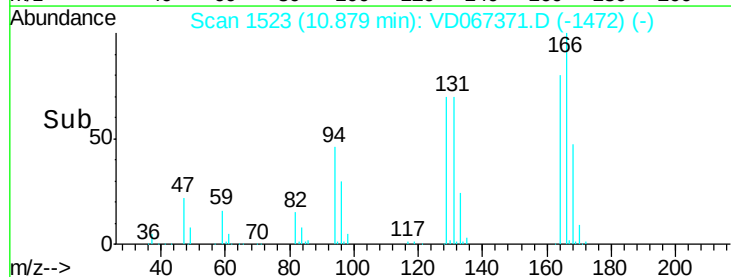
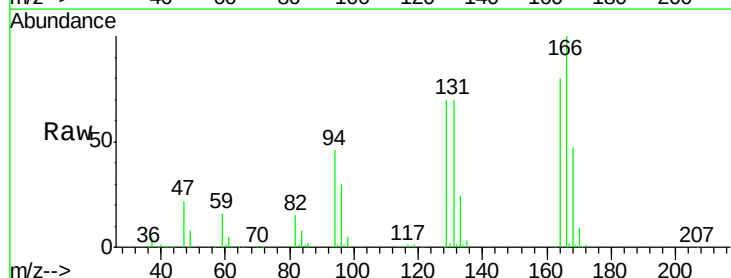
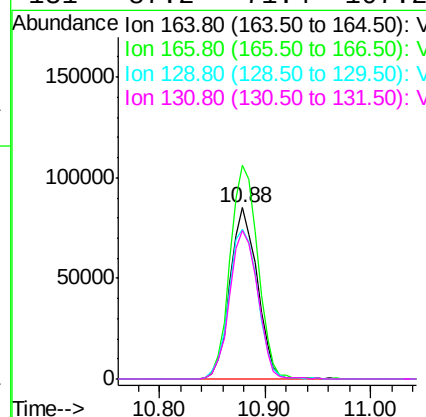
Manual Integrations
APPROVED

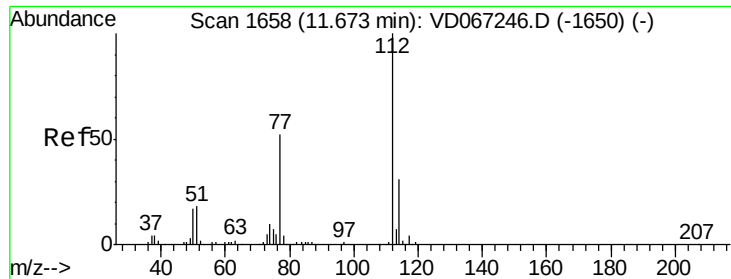
MMDadoda
10/26/2020 1:37:37 PM



#64
Tetrachloroethene
Concen: 49.476 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	151719		
166	124.9		107.3	160.9
129	87.7		77.3	115.9
131	87.2		71.4	107.2





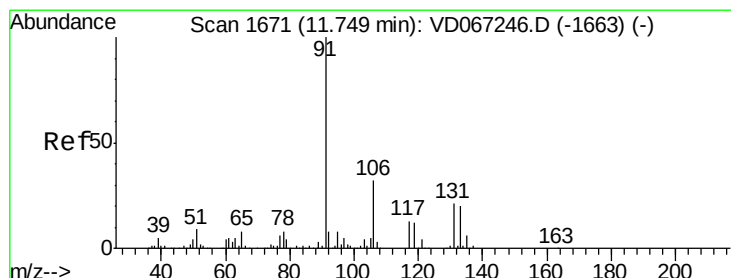
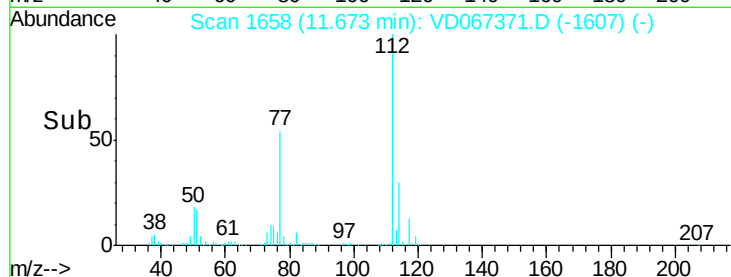
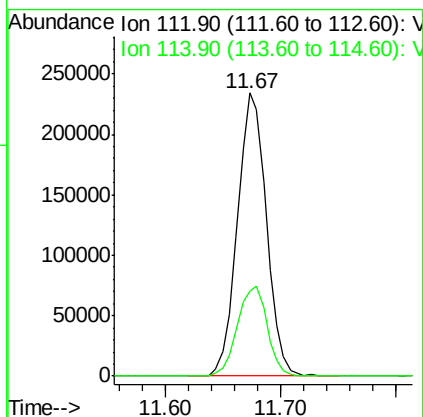
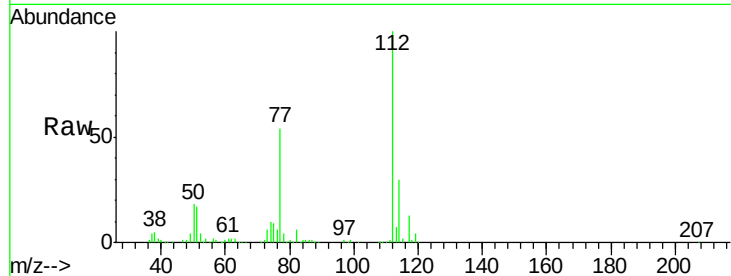
#65
Chlorobenzene
Concen: 50.056 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.0	25.0	37.4

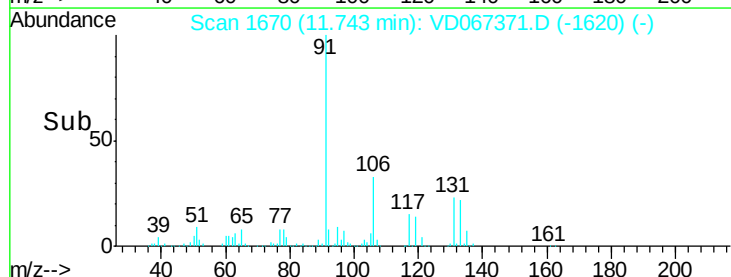
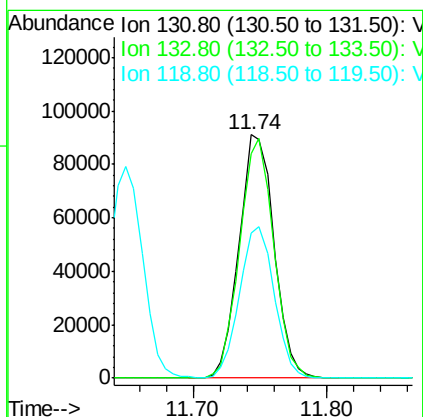
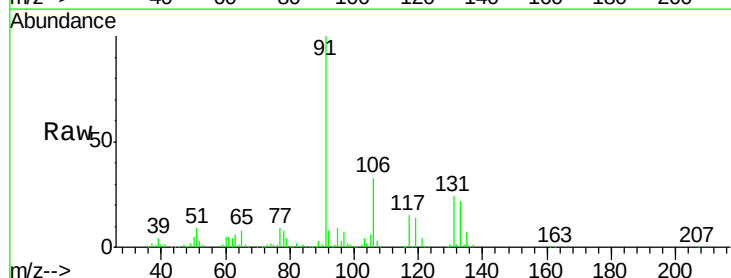
Manual Integrations
APPROVED

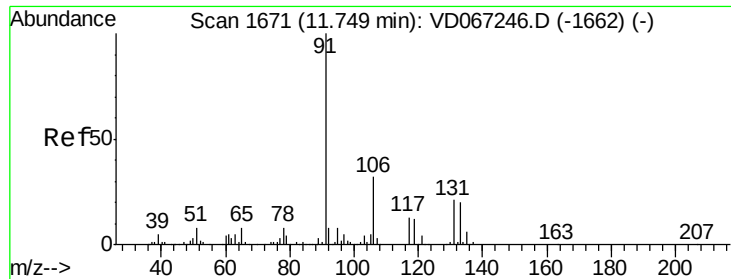
MMDadoda
10/26/2020 1:37:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.156 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.1	144.3
119	61.9	30.0	90.0





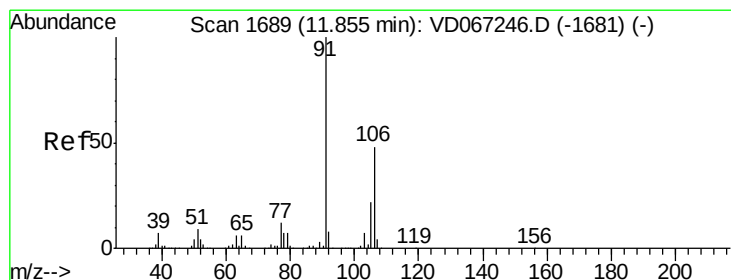
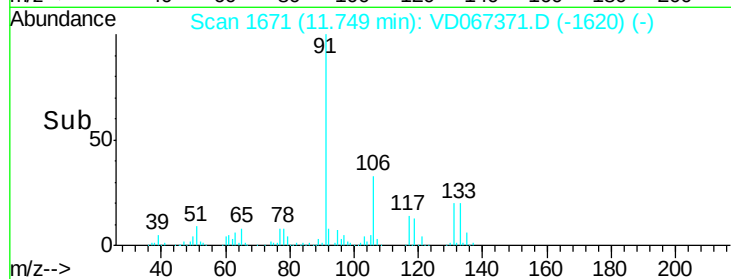
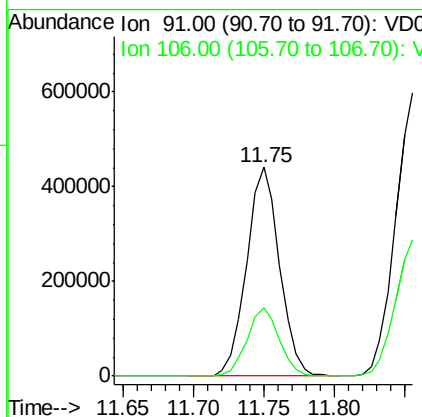
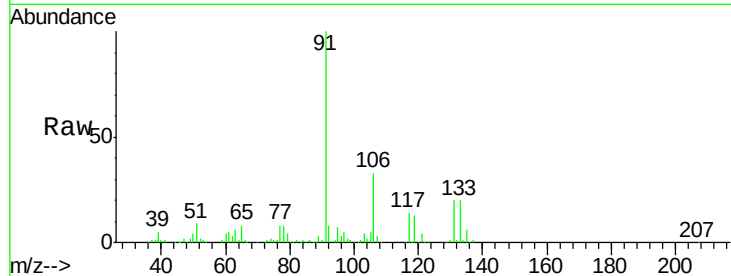
#67
Ethyl Benzene
Concen: 51.848 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 721339
Ion Ratio Lower Upper
91 100
106 33.0 25.4 38.0

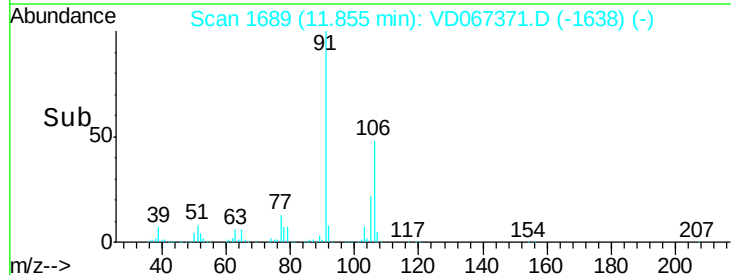
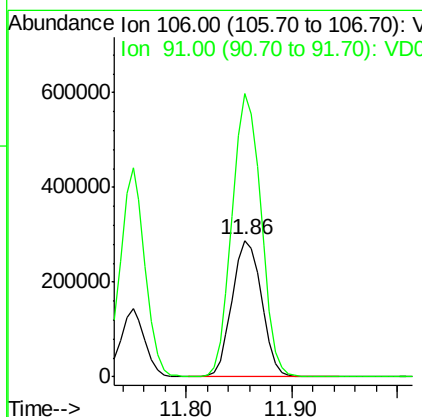
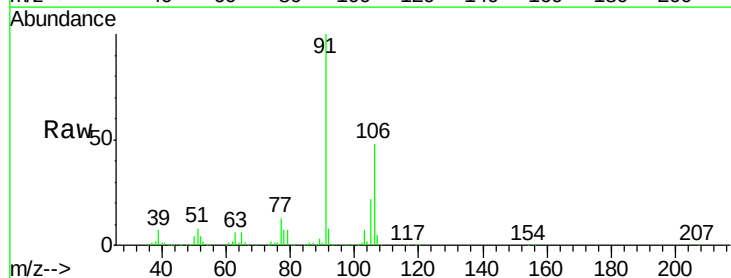
Manual Integrations
APPROVED

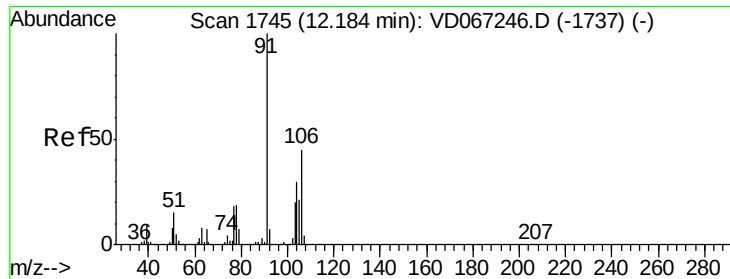
MMDadoda
10/26/2020 1:37:37 PM



#68
m/p-Xylenes
Concen: 103.854 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion: 106 Resp: 556396
Ion Ratio Lower Upper
106 100
91 204.2 163.8 245.8





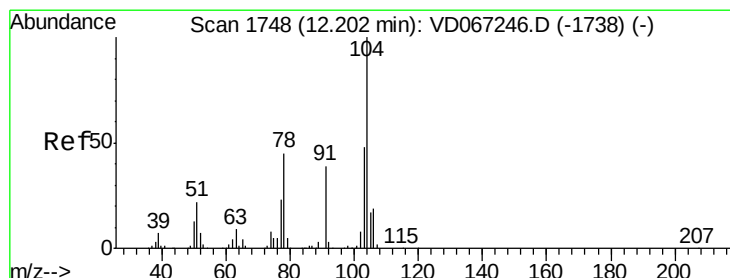
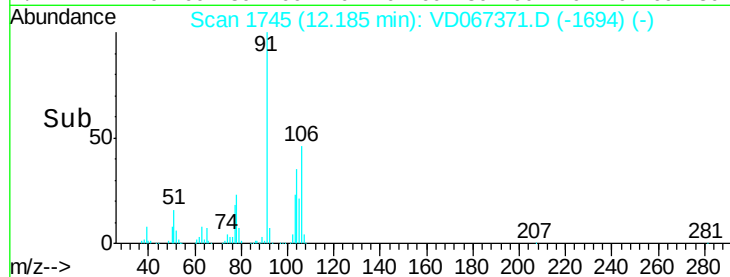
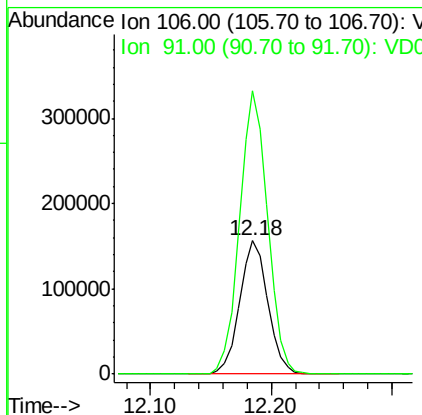
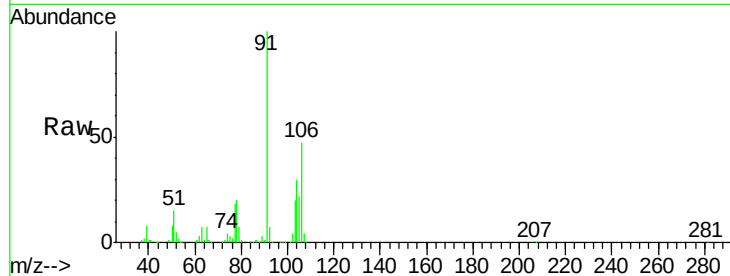
#69
o-Xylene
Concen: 51.422 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	211.0	109.1	327.3

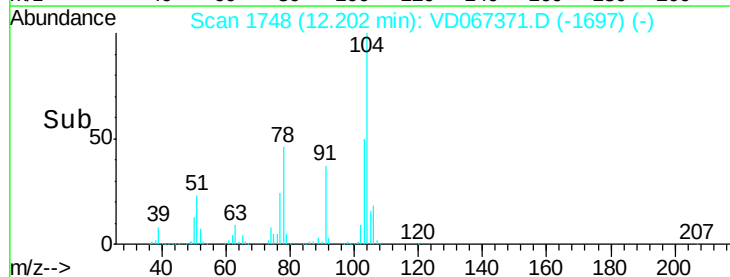
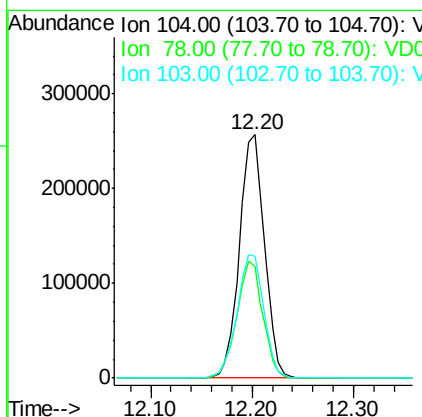
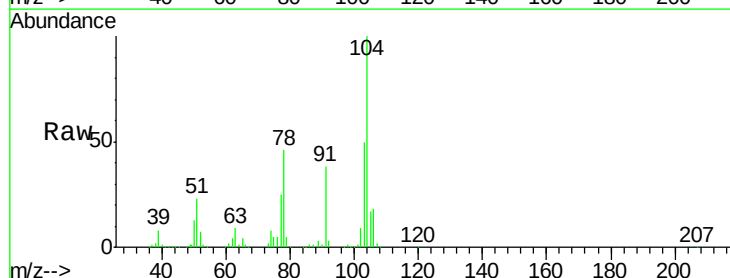
Manual Integrations
APPROVED

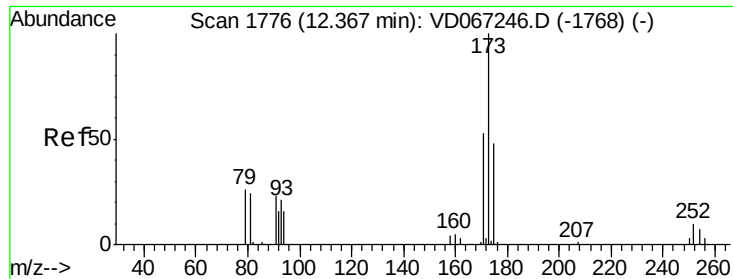
MMDadoda
10/26/2020 1:37:37 PM



#70
Styrene
Concen: 51.622 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.0	39.8	59.6
103	103	54.2	42.6	64.0





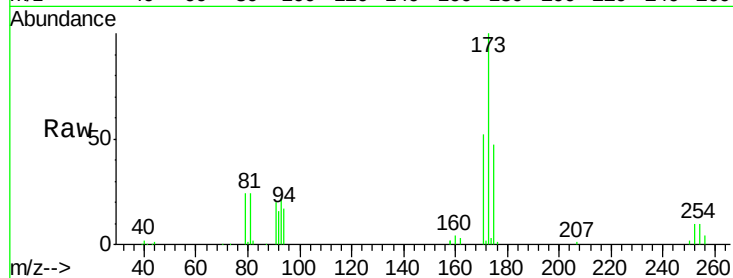
#71
Bromoform
Concen: 49.407 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

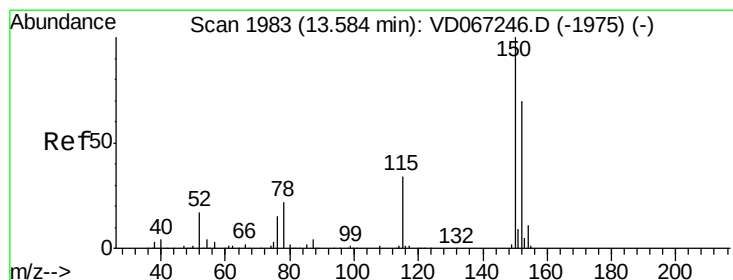
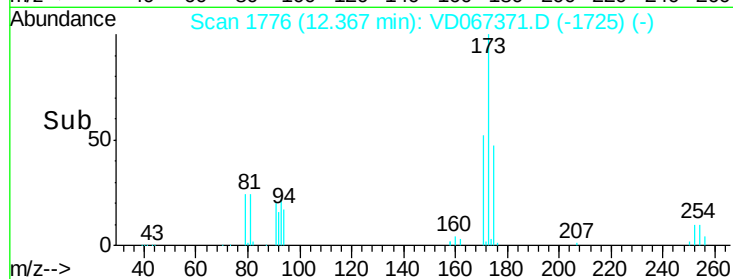
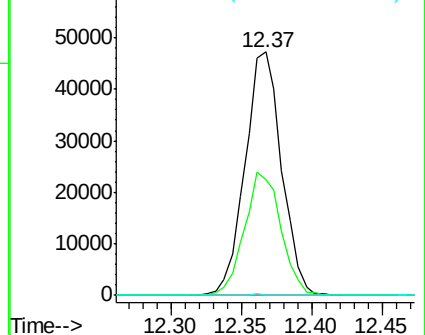
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.2	72.6
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM

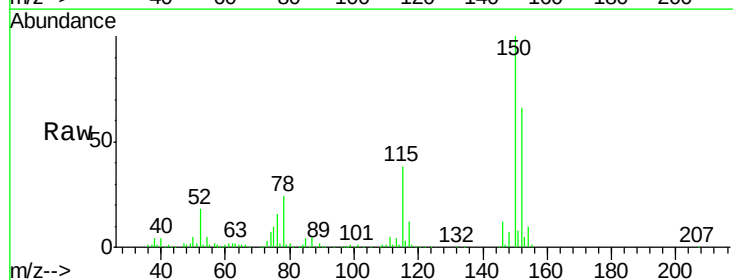


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

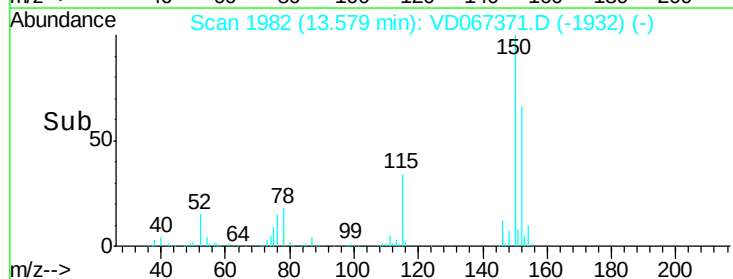
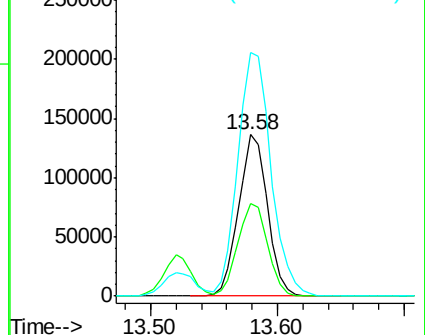


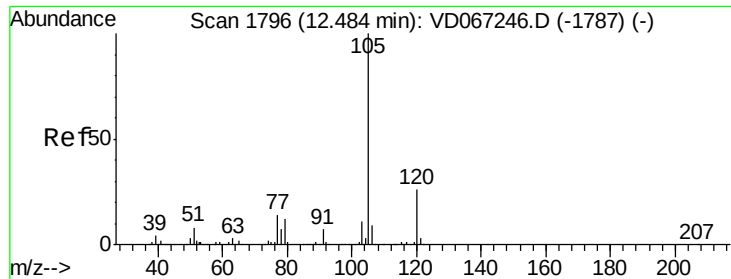
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.3	87.9
150	173.0	0.0	339.0



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





#73

Isopropylbenzene

Concen: 52.825 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 720226

Ion Ratio Lower Upper

105 100

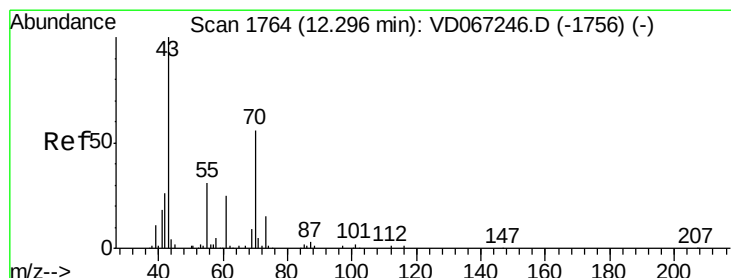
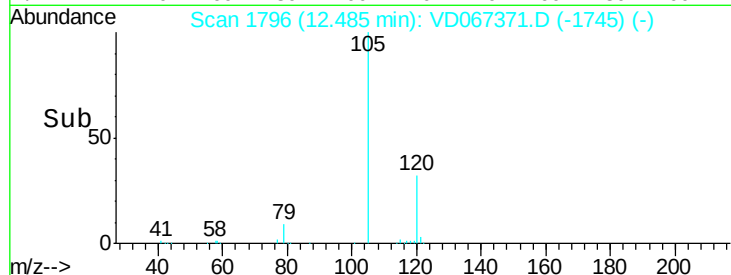
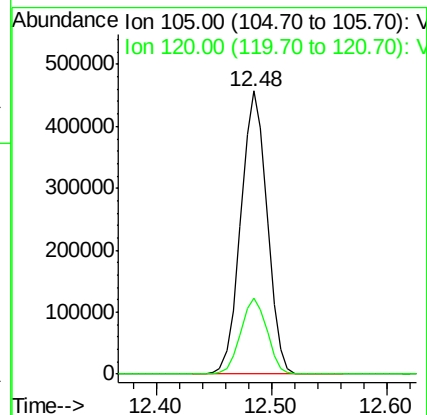
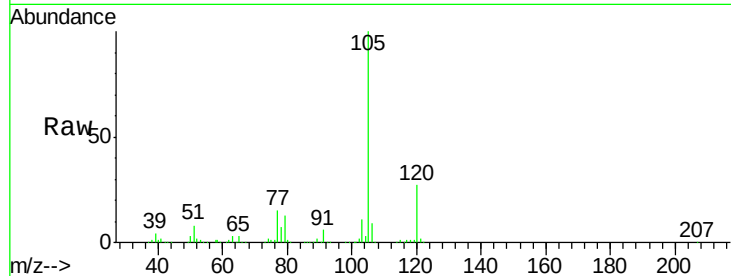
120 26.8 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

10/26/2020 1:37:37 PM



#74

N-ethyl acetate

Concen: 47.045 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Tgt Ion: 43 Resp: 96876

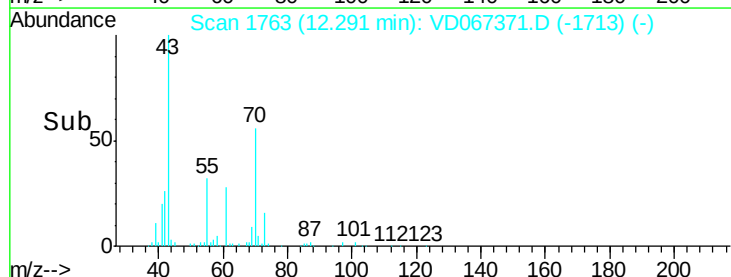
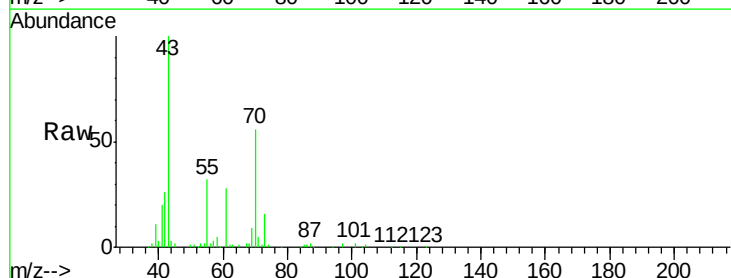
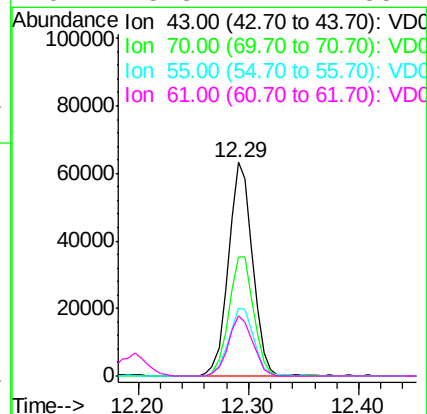
Ion Ratio Lower Upper

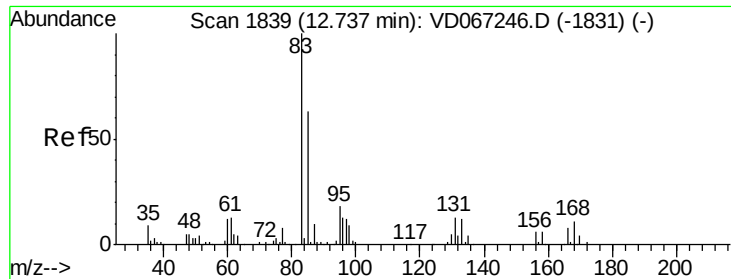
43 100

70 57.0 42.7 64.1

55 32.8 24.0 36.0

61 28.3 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.622 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

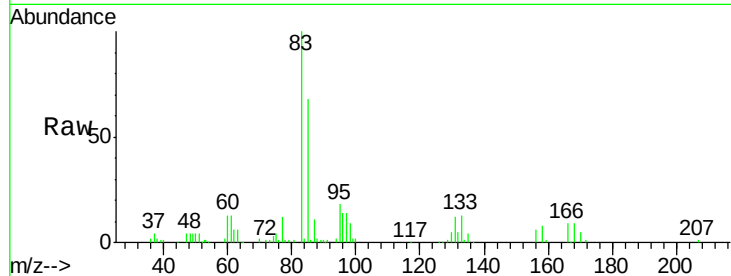
ClientSampleId :

VSTDCCC050

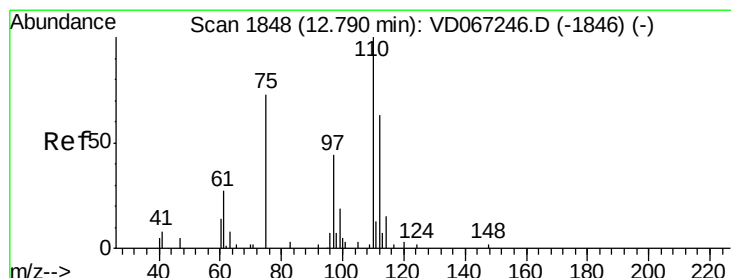
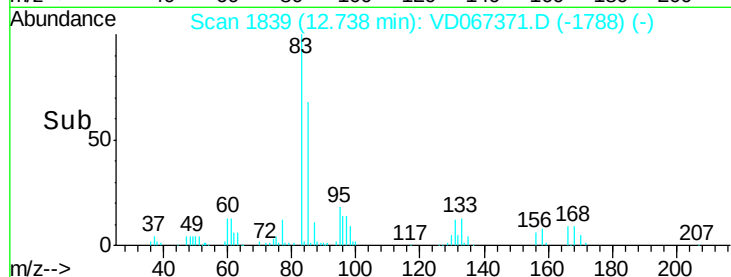
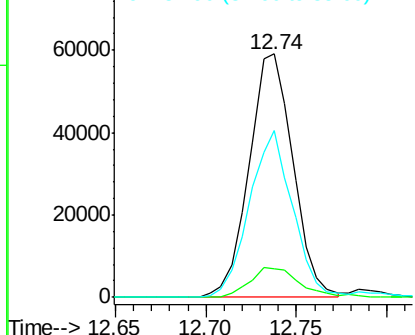
Tot Ion:	83	Resp:	99486
Ion Ratio	Lower	Upper	
83	100		
131	14.0	6.5	19.5
85	67.6	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 52.547 ug/l m

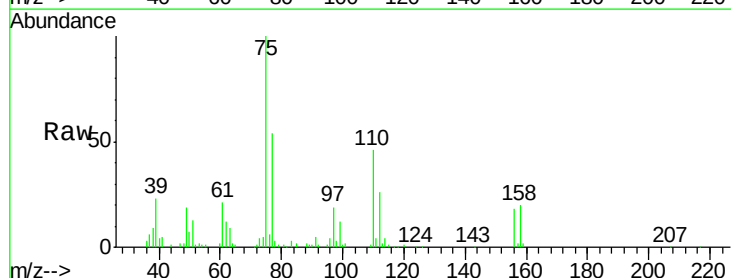
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

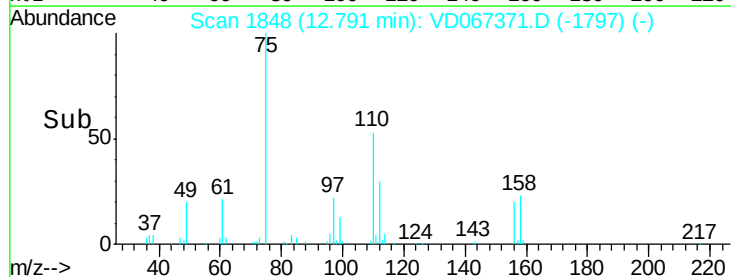
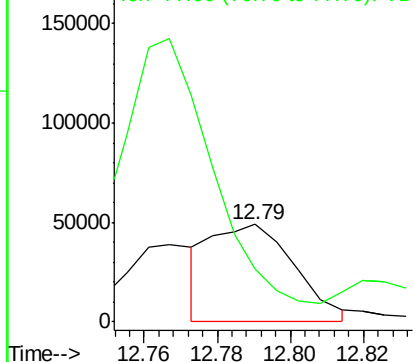
Lab File: VD067371.D

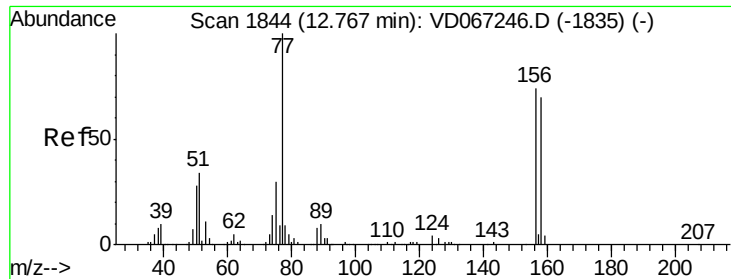
Acq: 23 Oct 2020 09:58

Tgt Ion:	75	Resp:	78240
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.047 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 173518

Ion Ratio Lower Upper

156 100

77 154.4 78.0 233.8

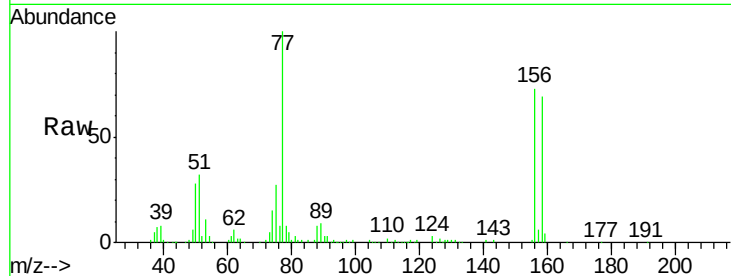
158 95.9 49.1 147.3

Manual Integrations

APPROVED

MMDadoda

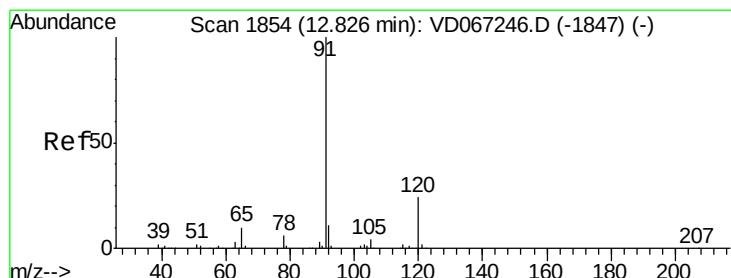
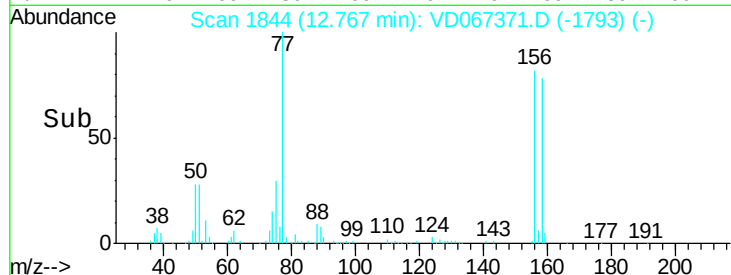
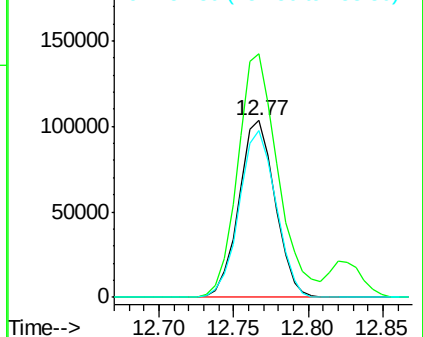
10/26/2020 1:37:37 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.538 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067371.D

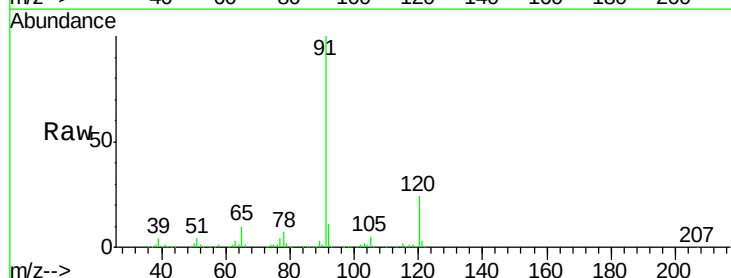
Acq: 23 Oct 2020 09:58

Tgt Ion: 91 Resp: 829951

Ion Ratio Lower Upper

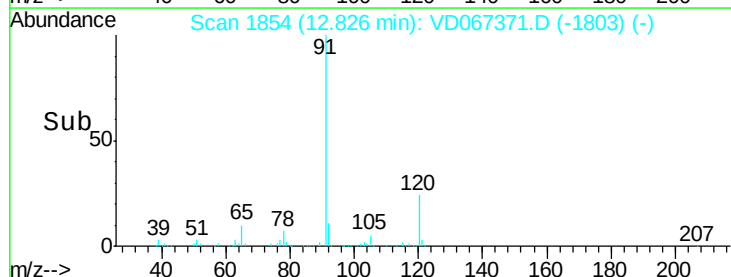
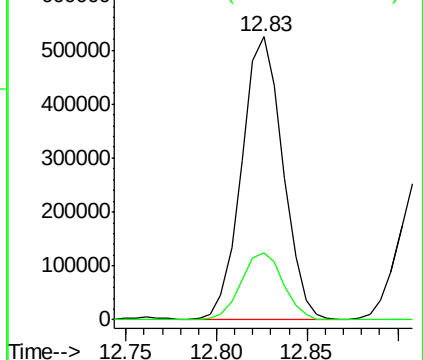
91 100

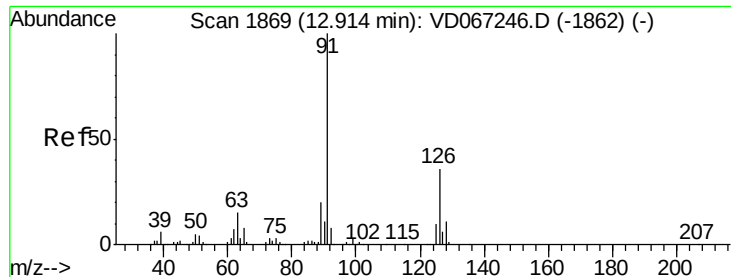
120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.877 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 466086

Ion Ratio Lower Upper

91 100

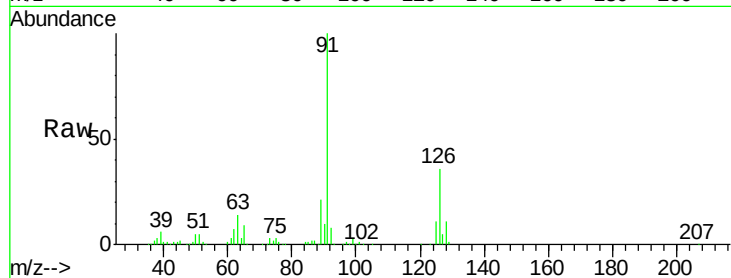
126 36.2 17.6 52.8

Manual Integrations

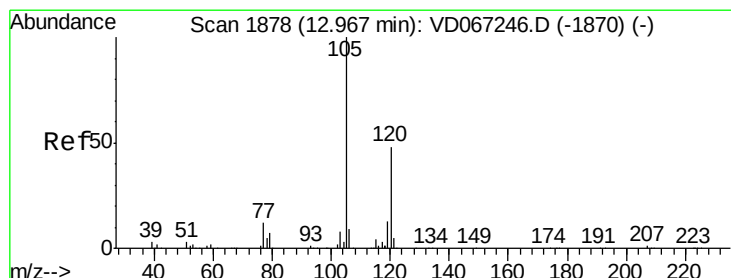
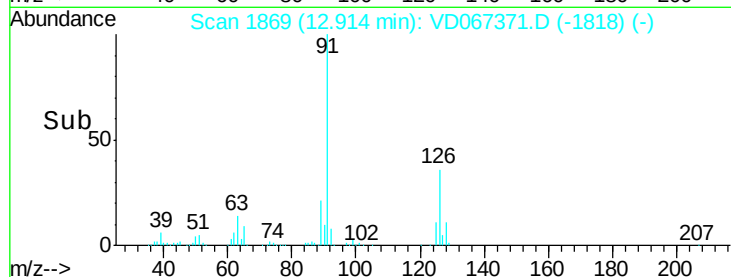
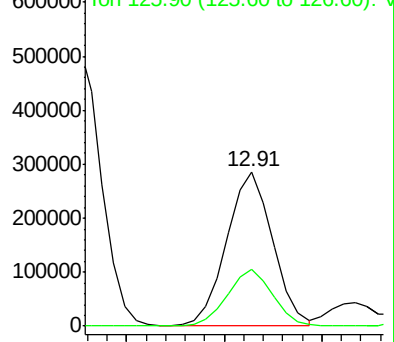
APPROVED

MMDadoda

10/26/2020 1:37:37 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.112 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067371.D

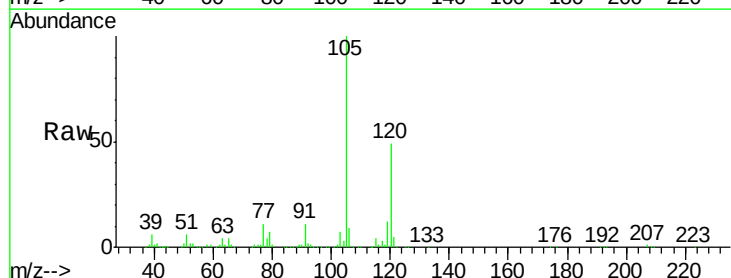
Acq: 23 Oct 2020 09:58

Tgt Ion: 105 Resp: 629272

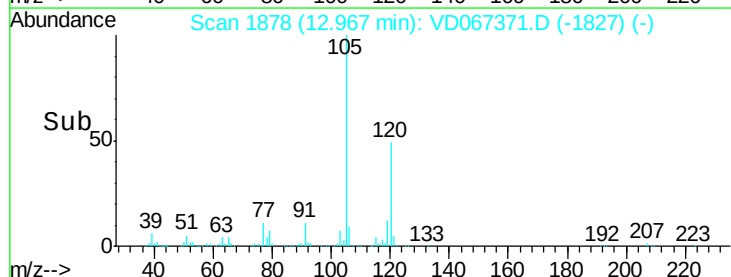
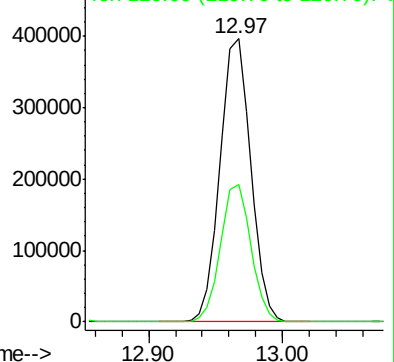
Ion Ratio Lower Upper

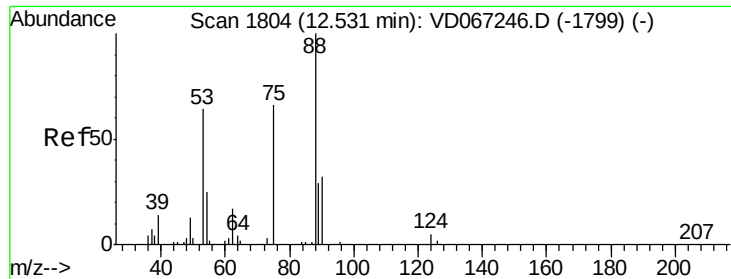
105 100

120 48.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.584 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Instrument :

MSVOA_D

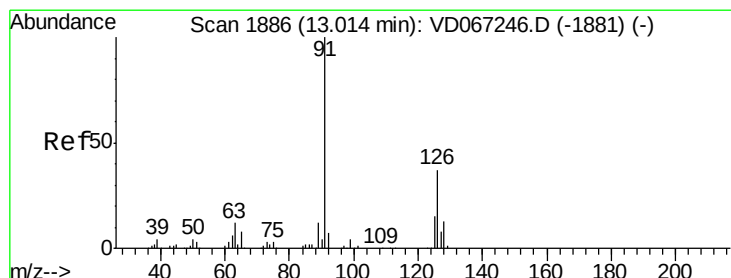
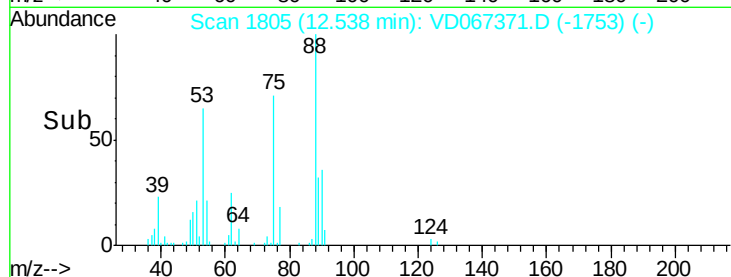
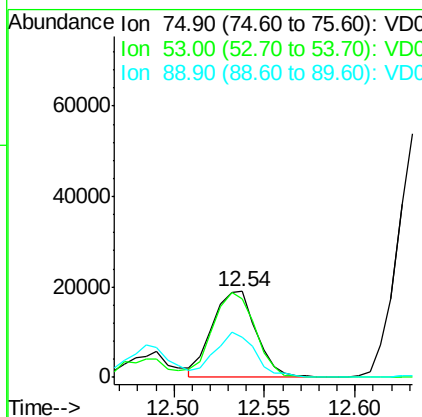
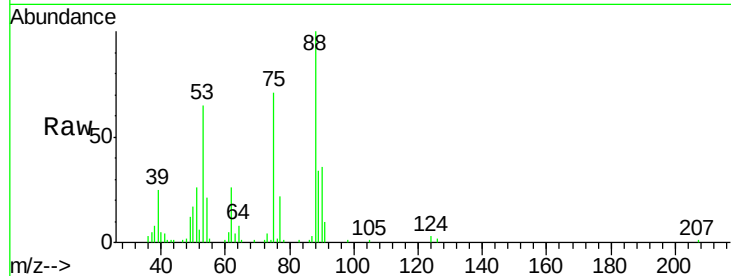
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	31900
Ion	Ratio	Lower	Upper
75	100		
53	96.9	78.5	117.7
89	48.6	39.9	59.9

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM



#82

4-Chlorotoluene

Concen: 51.942 ug/l

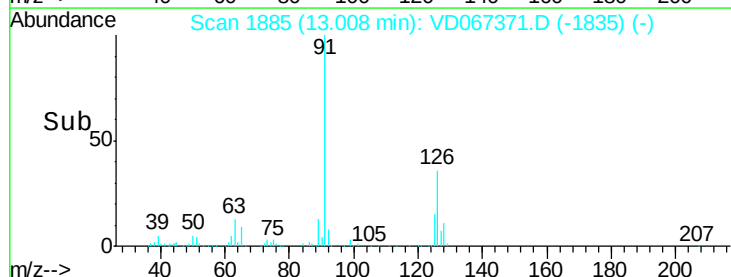
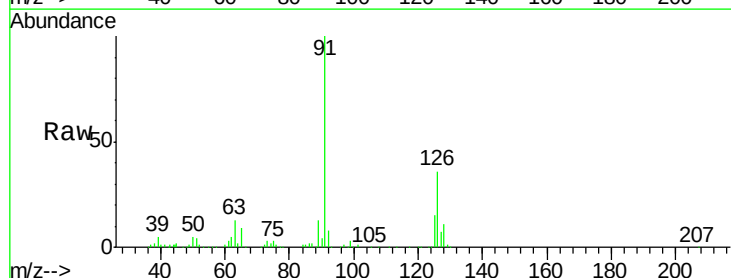
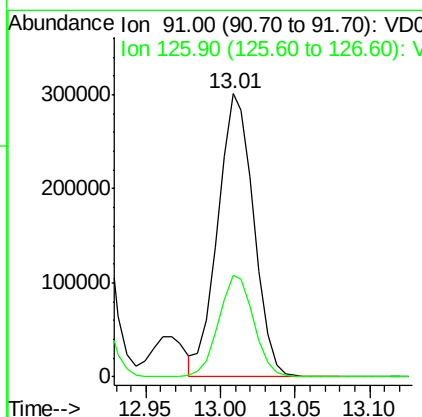
RT: 13.01 min Scan# 1885

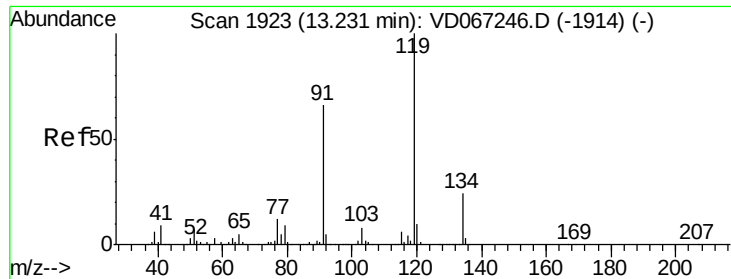
Delta R.T. -0.01 min

Lab File: VD067371.D

Acq: 23 Oct 2020 09:58

Tgt Ion:	91	Resp:	505037
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





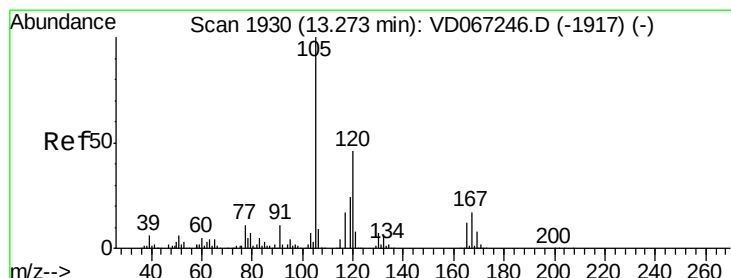
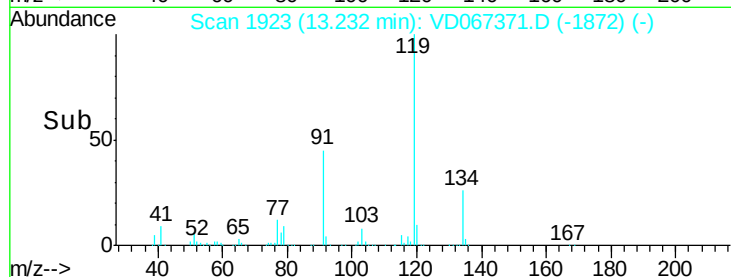
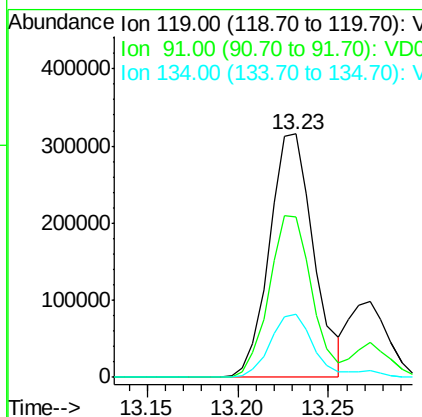
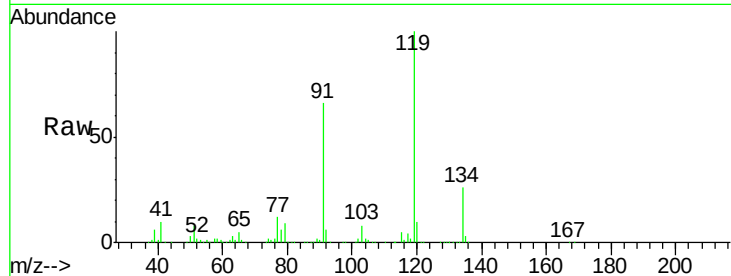
#83
 tert-Butylbenzene
 Concen: 53.760 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	33.1	99.2
134	25.0	13.3	39.9

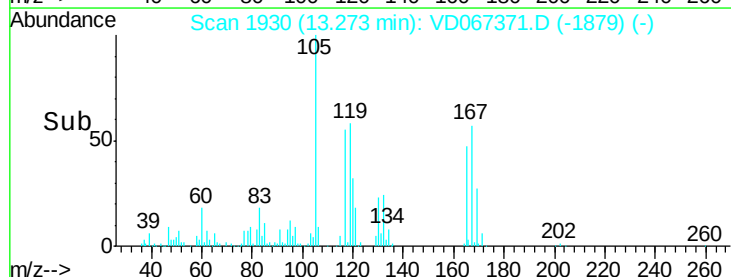
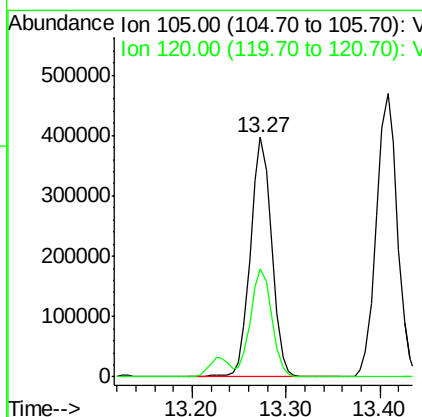
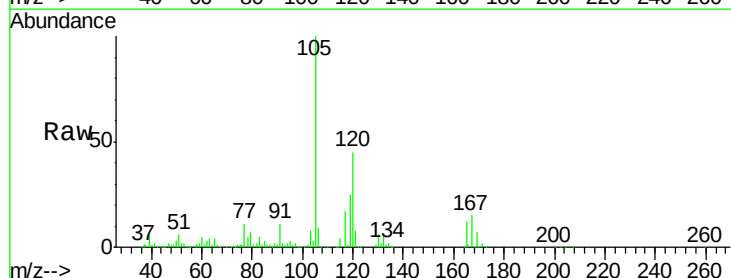
Manual Integrations
 APPROVED

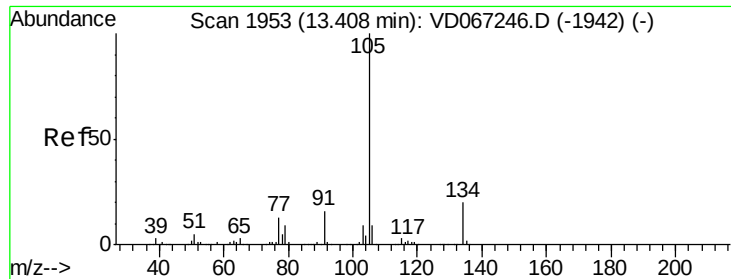
MMDadoda
 10/26/2020 1:37:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.112 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.4	67.3





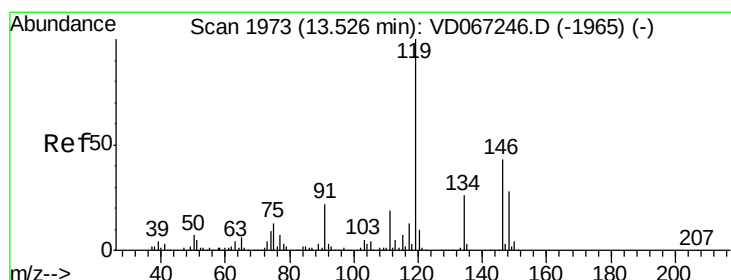
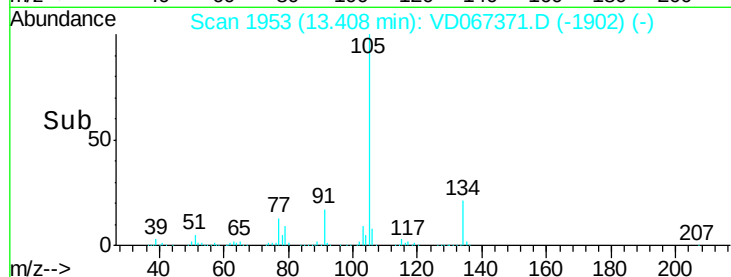
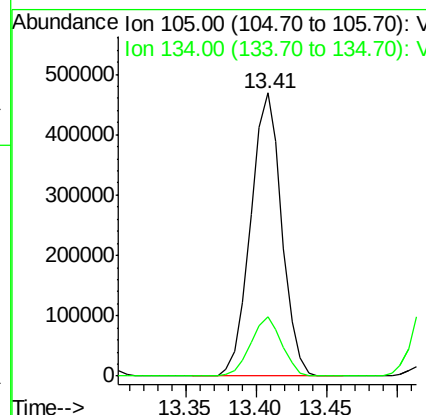
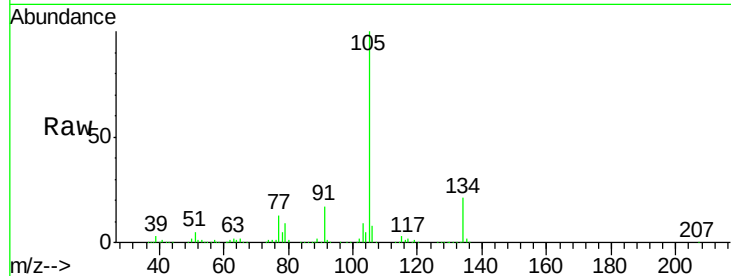
#85
 sec-Butylbenzene
 Concen: 52.765 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.5

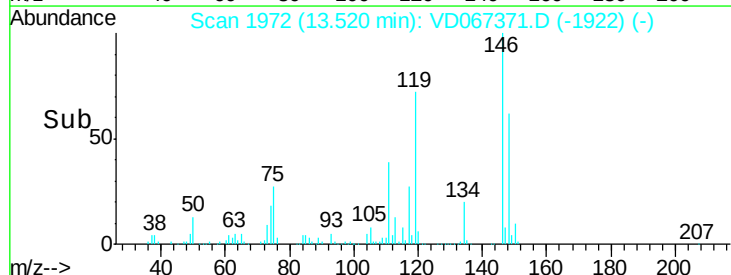
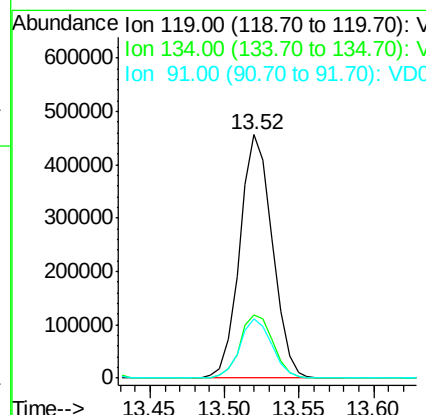
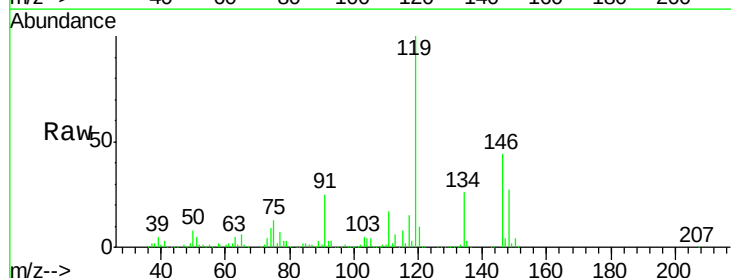
Manual Integrations
 APPROVED

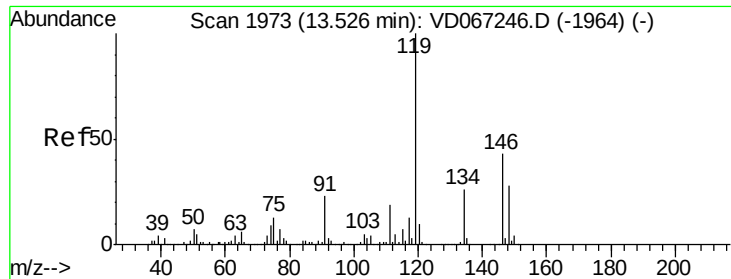
MMDadoda
 10/26/2020 1:37:37 PM



#86
 p-Isopropyltoluene
 Concen: 53.269 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.3
91	23.9	11.9	35.9





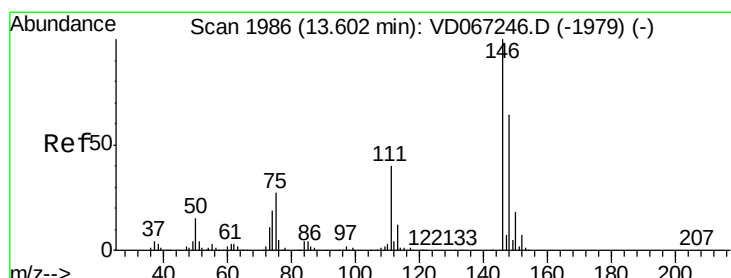
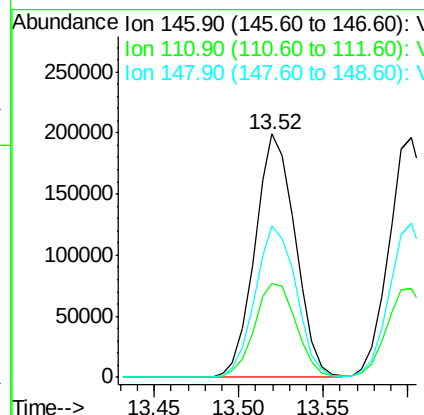
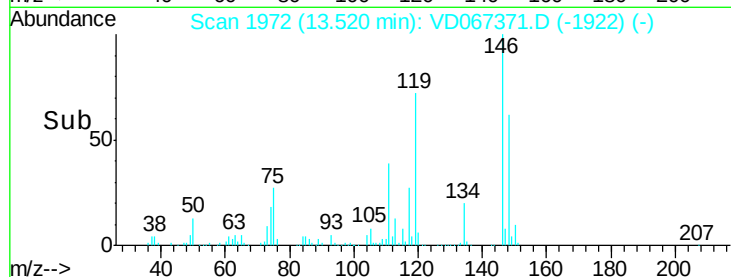
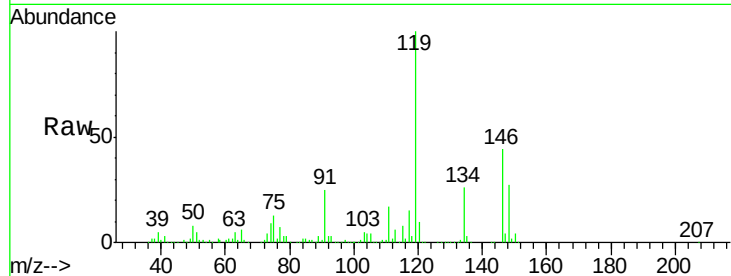
#87
 1,3-Dichlorobenzene
 Concen: 50.562 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.1	21.1	63.3	
148	63.5	31.9	95.9	

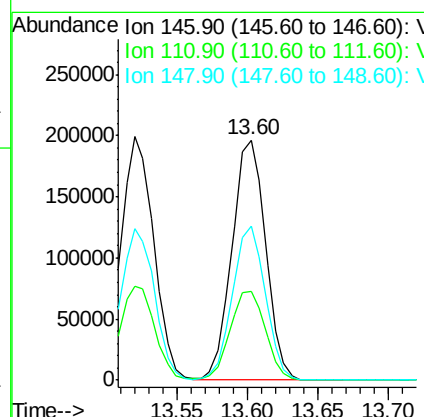
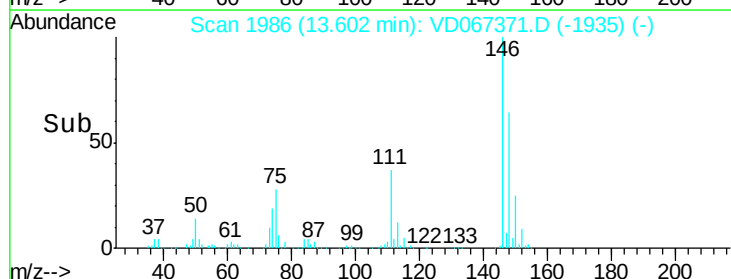
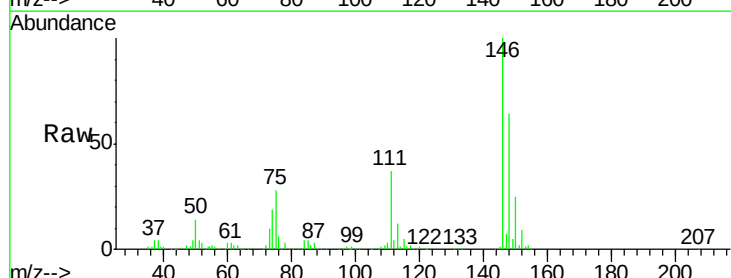
Manual Integrations
 APPROVED

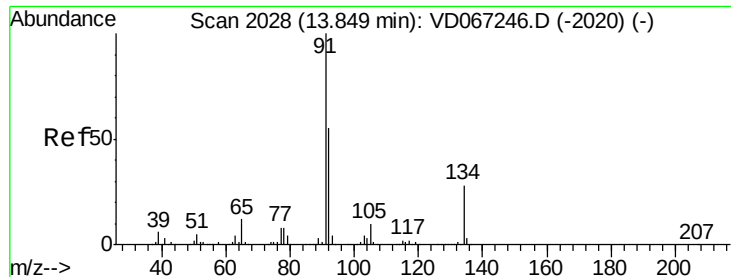
MMDadoda
 10/26/2020 1:37:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.301 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.1	19.9	59.7	
148	63.1	31.9	95.9	





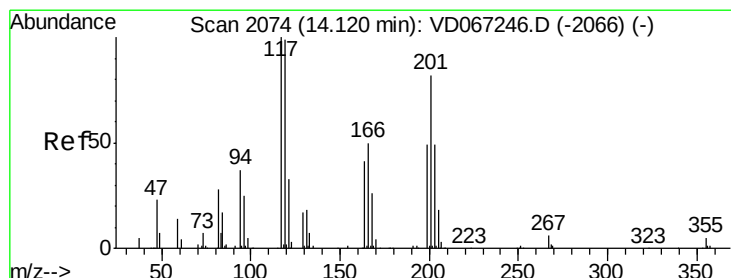
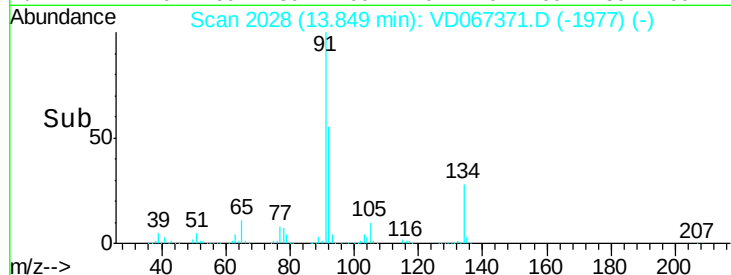
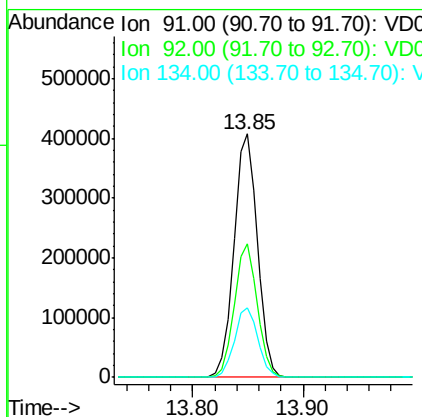
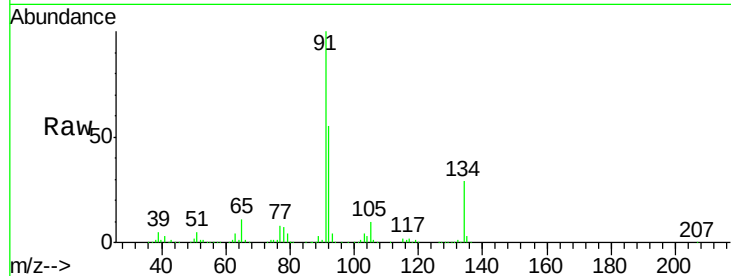
#89
n-Butylbenzene
Concen: 53.133 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	605890		
92	53.7		26.7	80.0
134	28.7		14.2	42.6

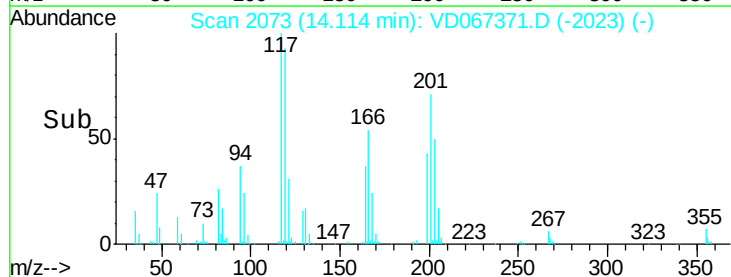
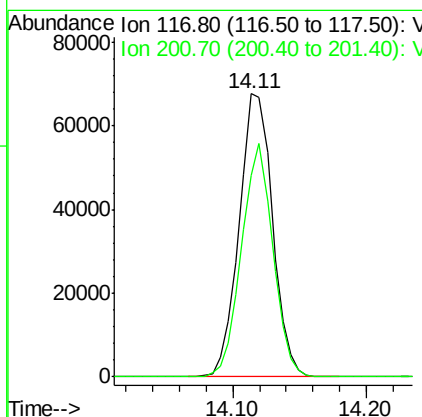
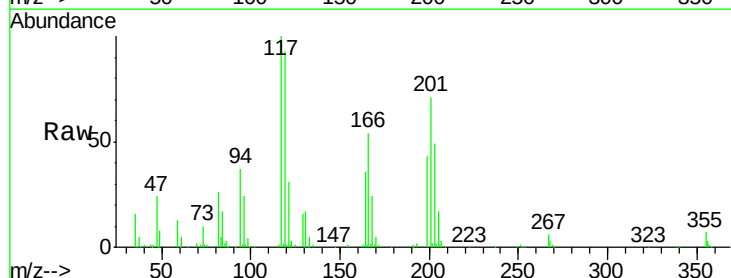
Manual Integrations
APPROVED

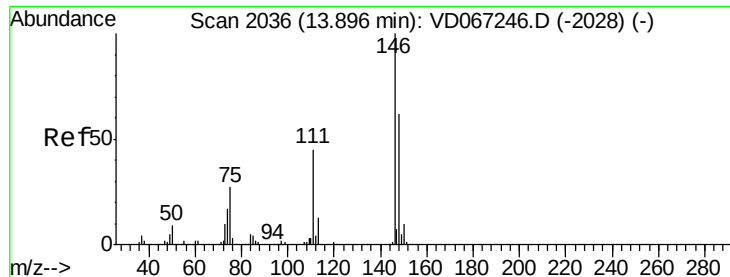
MMDadoda
10/26/2020 1:37:37 PM



#90
Hexachloroethane
Concen: 51.744 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	117041		
201	77.4		40.8	122.2





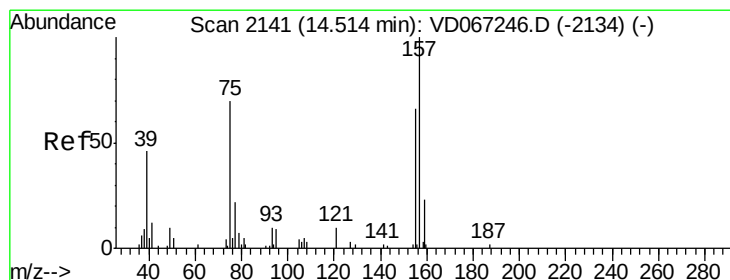
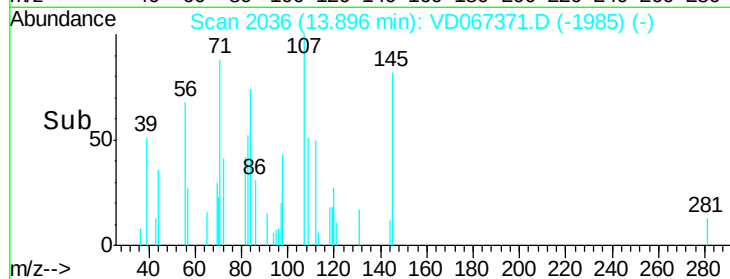
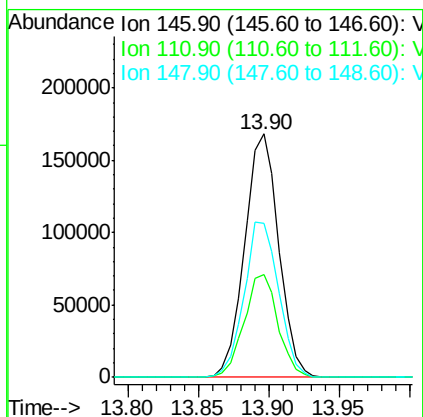
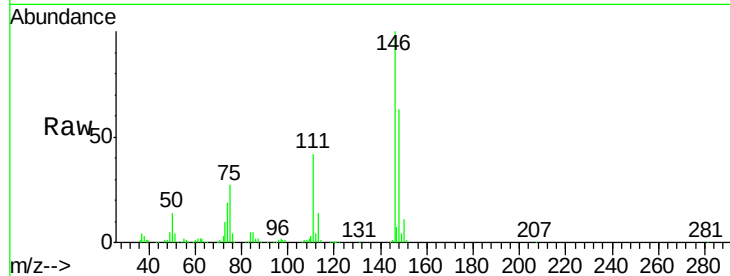
#91
 1,2-Dichlorobenzene
 Concen: 49.857 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.0	66.0
148	64.8	32.5	97.5

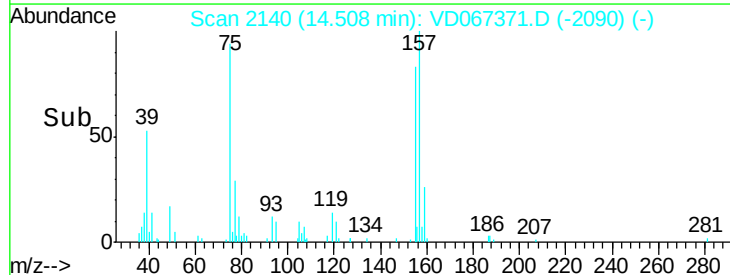
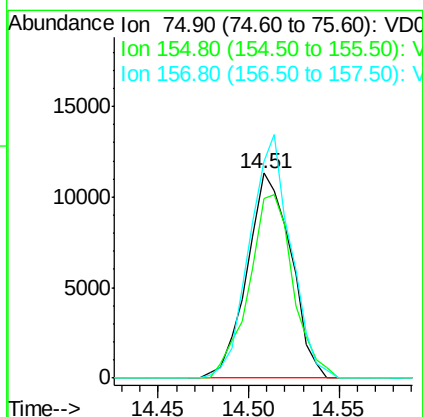
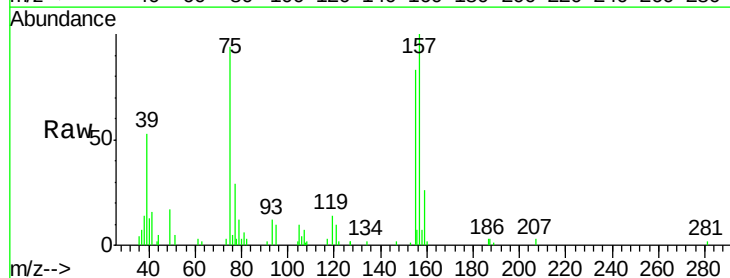
Manual Integrations
 APPROVED

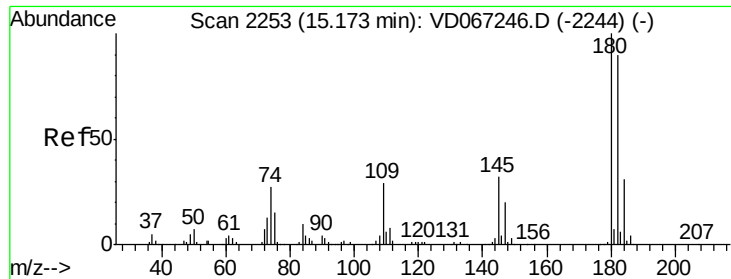
MMDadoda
 10/26/2020 1:37:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.144 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067371.D
 Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	44.8	134.4
157	111.2	62.5	187.4





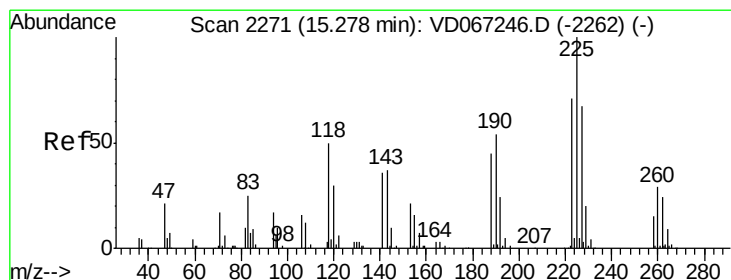
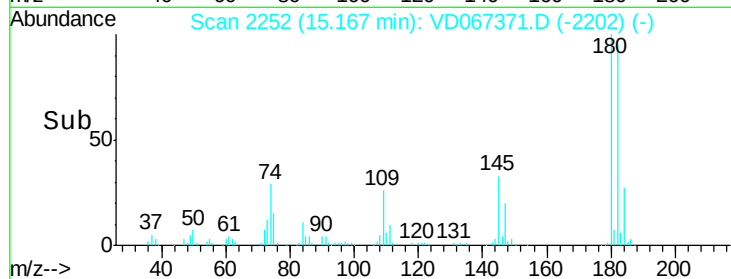
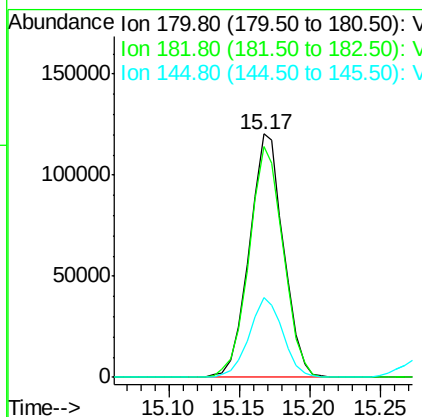
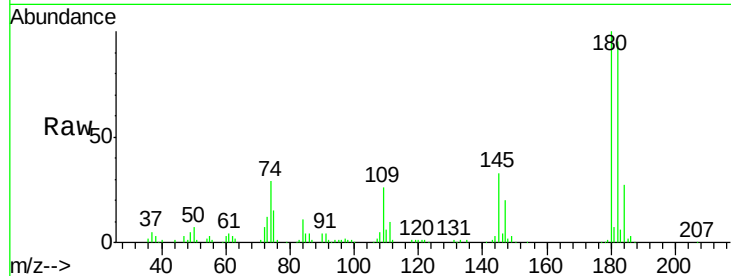
#93
1,2,4-Trichlorobenzene
Concen: 52.762 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.4	48.1	144.4
145	32.5	16.3	48.9

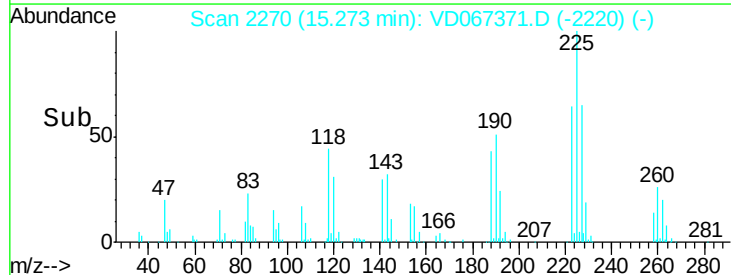
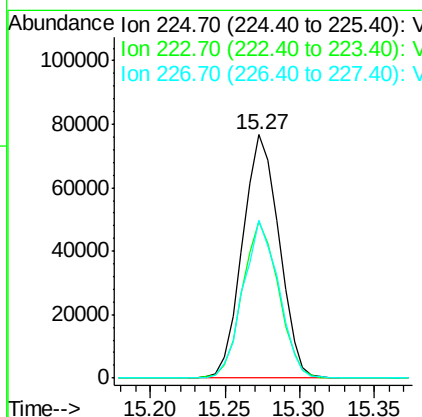
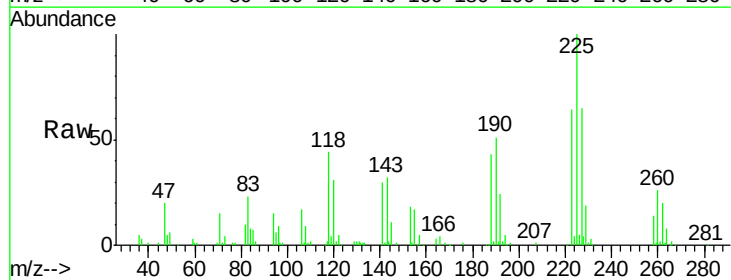
Manual Integrations
APPROVED

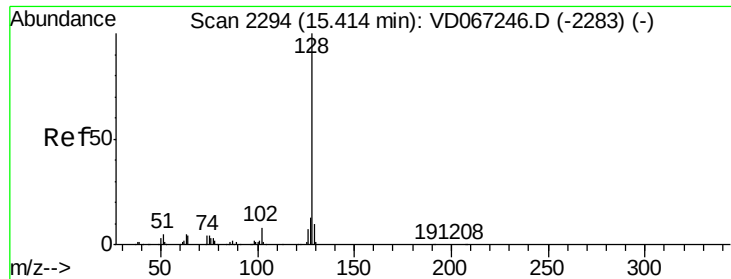
MMDadoda
10/26/2020 1:37:37 PM



#94
Hexachlorobutadiene
Concen: 54.288 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	63.5	31.9	95.7
227	63.3	31.2	93.6





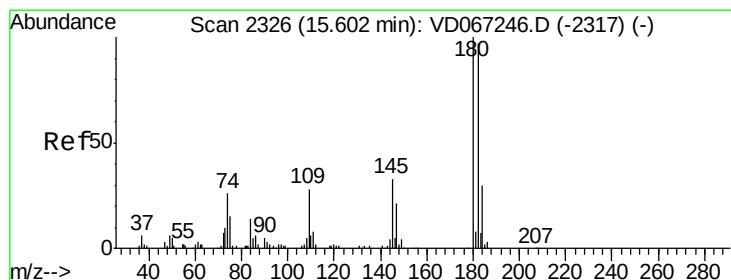
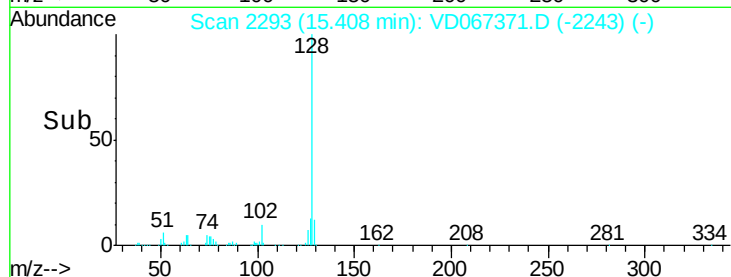
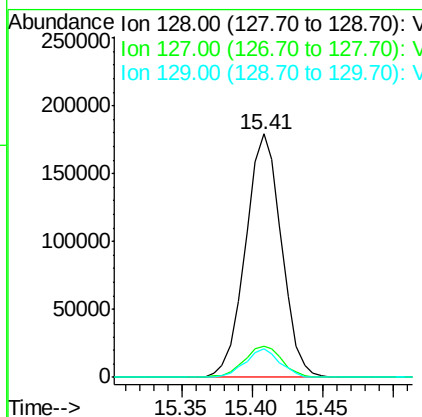
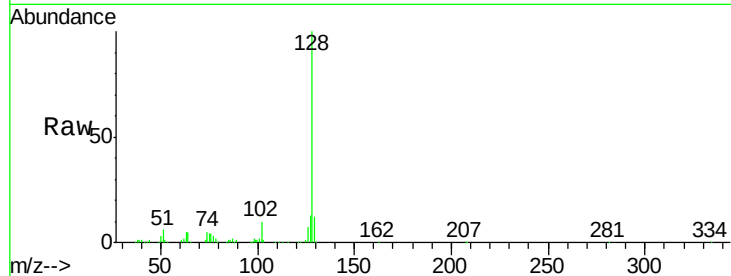
#95
Naphthalene
Concen: 50.541 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	319768		
127	13.5		10.4	15.6
129	11.1		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:37:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.191 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067371.D
Acq: 23 Oct 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	173750		
182	94.1		48.1	144.3
145	33.4		17.3	51.9

