

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066520.D
 Acq On : 02 Sep 2020 13:37
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:20 PM

Quant Time: Sep 02 14:09:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	171777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	237025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	214195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	112102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	276777	149.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.64%	
35) Dibromofluoromethane	7.91	113	214616	150.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.10%	
50) Toluene-d8	10.34	98	786812	146.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.98%	
62) 4-Bromofluorobenzene	12.63	95	276377	144.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	186122	127.009	ug/l	92
3) Chloromethane	2.21	50	119738	135.916	ug/l	97
4) Vinyl Chloride	2.35	62	147366	137.170	ug/l	93
5) Bromomethane	2.74	94	124841	142.181	ug/l	100
6) Chloroethane	2.91	64	101534	140.476	ug/l	90
7) Trichlorofluoromethane	3.27	101	456419	139.372	ug/l	96
8) Diethyl Ether	3.70	74	90806	147.946	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	191500	140.417	ug/l	96
10) Methyl Iodide	4.30	142	249477	164.972	ug/l	99
11) Tert butyl alcohol	5.23	59	67523	501.713	ug/l	95
12) 1,1-Dichloroethene	4.06	96	185073	144.404	ug/l	94
13) Acrolein	3.92	56	42524	708.676	ug/l	95
14) Allyl chloride	4.71	41	217339	151.710	ug/l	100
15) Acrylonitrile	5.41	53	167256	759.887	ug/l	95
16) Acetone	4.15	43	183553	671.839	ug/l	94
17) Carbon Disulfide	4.41	76	529231	142.894	ug/l #	95
18) Methyl Acetate	4.71	43	66556	151.568	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	505856	151.269	ug/l	97
20) Methylene Chloride	4.96	84	191918	120.366	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	211391	144.201	ug/l	93
22) Diisopropyl ether	6.36	45	418138	145.631	ug/l	99
23) Vinyl Acetate	6.30	43	1395398	755.939	ug/l	98
24) 1,1-Dichloroethane	6.26	63	324390	143.850	ug/l	97
25) 2-Butanone	7.21	43	202968	717.761	ug/l	97
26) 2,2-Dichloropropane	7.21	77	398613	139.504	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	234351	147.415	ug/l	97
28) Bromochloromethane	7.54	49	99838	153.032	ug/l #	97
29) Tetrahydrofuran	7.56	42	112268	772.308	ug/l	97
30) Chloroform	7.71	83	415487	142.690	ug/l	99
31) Cyclohexane	7.98	56	246604	126.571	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	459075	141.563	ug/l	99
36) 1,1-Dichloropropene	8.11	75	295898	142.412	ug/l	98
37) Ethyl Acetate	7.29	43	89558	143.594	ug/l	97
38) Carbon Tetrachloride	8.09	117	443738	140.192	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066520.D
 Acq On : 02 Sep 2020 13:37
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:20 PM

Quant Time: Sep 02 14:09:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 14:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	338730	139.539	ug/l	96
40) Benzene	8.34	78	763430	142.436	ug/l	98
41) Methacrylonitrile	7.52	41	46362m	130.559	ug/l	
42) 1,2-Dichloroethane	8.42	62	330725	145.858	ug/l	98
43) Isopropyl Acetate	8.45	43	197179	150.921	ug/l	99
44) Trichloroethene	9.11	130	258187	139.563	ug/l	89
45) 1,2-Dichloropropane	9.38	63	154137	144.939	ug/l	97
46) Dibromomethane	9.47	93	113220	145.421	ug/l	96
47) Bromodichloromethane	9.66	83	330915	143.006	ug/l	99
48) Methyl methacrylate	9.45	41	101247	152.065	ug/l	94
49) 1,4-Dioxane	9.46	88	23894	2624.282	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	442336	736.292	ug/l	100
52) Toluene	10.40	92	540874	141.871	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	317411	150.137	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	323375	145.191	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	141283	143.610	ug/l	96
56) Ethyl methacrylate	10.66	69	173541	149.888	ug/l	99
57) 1,3-Dichloropropane	10.94	76	242121	149.027	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.94	63	309125	683.971	ug/l	99
59) 2-Hexanone	10.98	43	317445	731.635	ug/l	99
60) Dibromochloromethane	11.14	129	236562	145.414	ug/l	99
61) 1,2-Dibromoethane	11.25	107	144934	144.527	ug/l	100
64) Tetrachloroethene	10.87	164	238211	142.641	ug/l	99
65) Chlorobenzene	11.67	112	596556	141.562	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	257889	144.638	ug/l	99
67) Ethyl Benzene	11.74	91	1078260	145.254	ug/l	95
68) m/p-Xylenes	11.85	106	829832	288.925	ug/l	97
69) o-Xylene	12.18	106	385698	141.769	ug/l	99
70) Styrene	12.20	104	667993	143.414	ug/l	99
71) Bromoform	12.36	173	149162	152.522	ug/l #	95
73) Isopropylbenzene	12.48	105	1081795	144.419	ug/l	100
74) N-amyl acetate	12.29	43	174811	154.771	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	125926	142.264	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	122018m	172.331	ug/l	
77) Bromobenzene	12.76	156	274099	144.196	ug/l	100
78) n-propylbenzene	12.82	91	1178528	144.382	ug/l	98
79) 2-Chlorotoluene	12.91	91	686728	145.405	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	949080	145.732	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	47863	151.145	ug/l	95
82) 4-Chlorotoluene	13.01	91	729736	143.851	ug/l	100
83) tert-Butylbenzene	13.23	119	805860	141.079	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	938427	144.075	ug/l	98
85) sec-Butylbenzene	13.40	105	1038489	143.509	ug/l	98
86) p-Isopropyltoluene	13.52	119	1048539	144.969	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	514162	145.841	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	515354	144.498	ug/l	99
89) n-Butylbenzene	13.85	91	859782	141.917	ug/l	99
90) Hexachloroethane	14.11	117	189676	146.134	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	450591	146.941	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	33311	142.298	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090220\
Data File : VD066520.D
Acq On : 02 Sep 2020 13:37
Operator : VA/SY
Sample : VSTDICC150
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

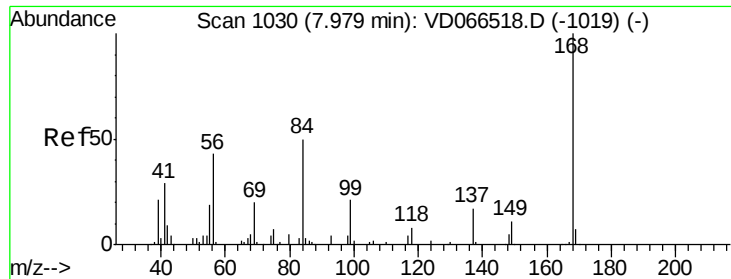
Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM

Quant Time: Sep 02 14:09:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 02 14:03:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	355030	146.685	ug/l	98
94) Hexachlorobutadiene	15.27	225	226256	144.205	ug/l	99
95) Naphthalene	15.41	128	579889	154.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	307485	147.025	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 171777

Ion Ratio Lower Upper

168 100

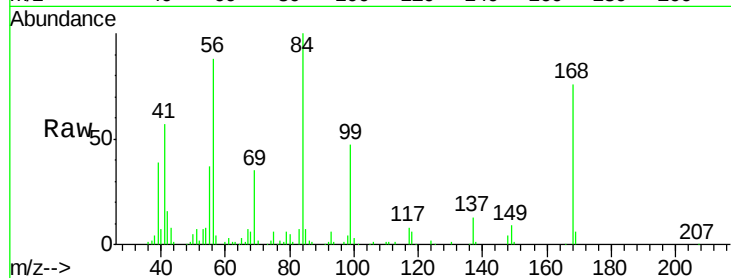
99 60.6 45.1 67.7

Manual Integrations

APPROVED

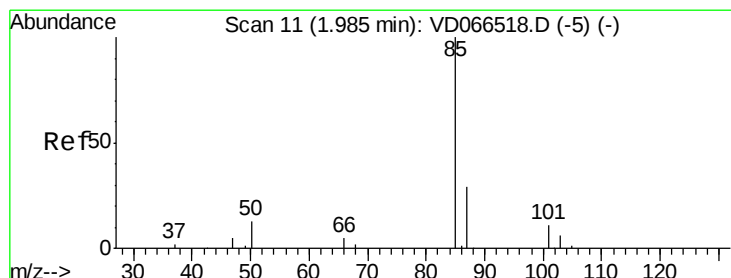
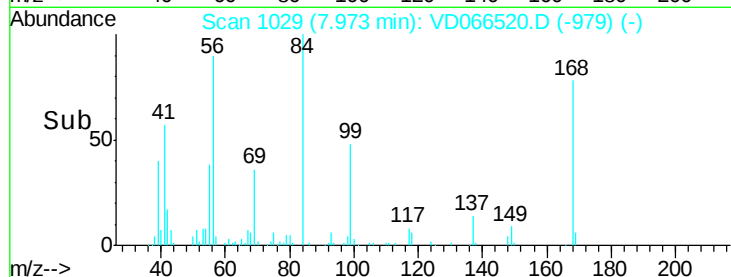
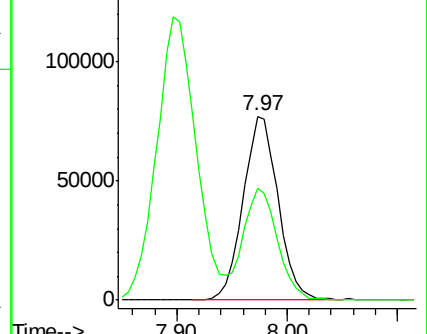
MMDadoda

9/3/2020 4:57:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 127.009 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066520.D

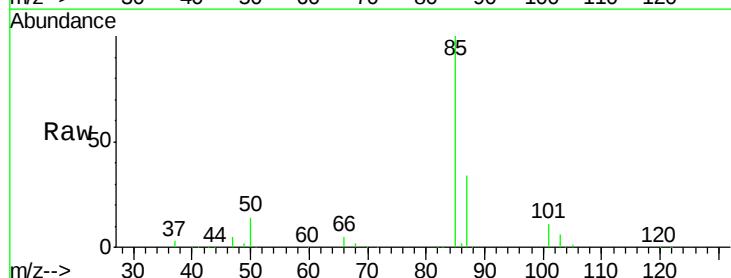
Acq: 02 Sep 2020 13:37

Tgt Ion: 85 Resp: 186122

Ion Ratio Lower Upper

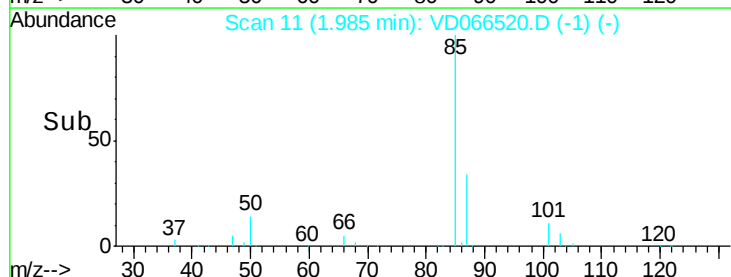
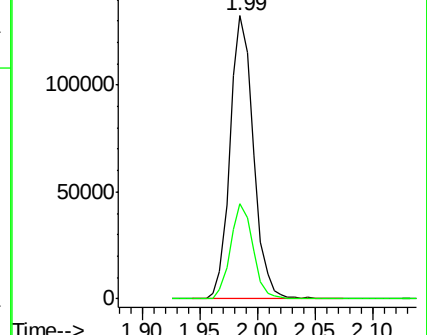
85 100

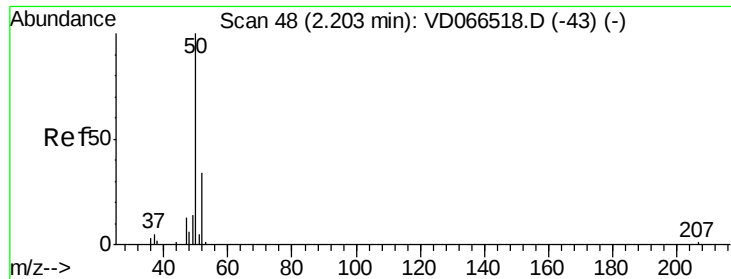
87 33.6 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 135.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 119738

Ion Ratio Lower Upper

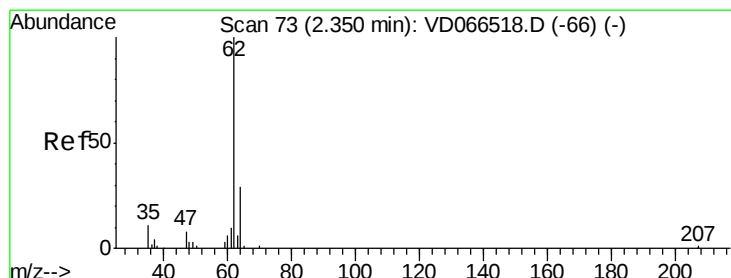
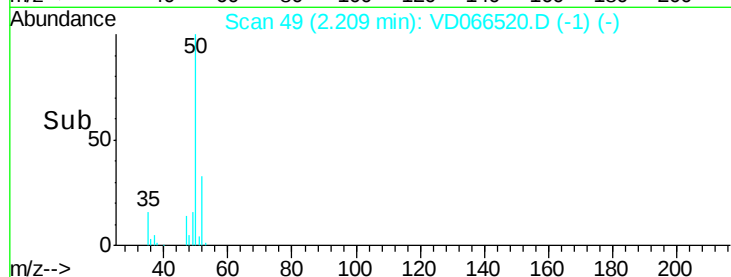
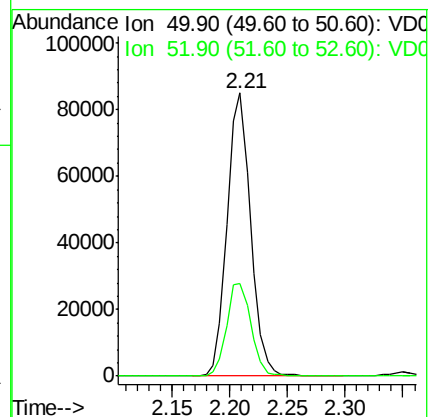
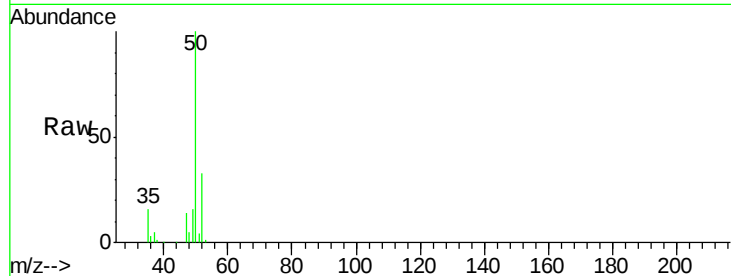
50 100

52 32.9 27.6 41.4

Manual Integrations
APPROVED

MMDadoda

9/3/2020 4:57:20 PM



#4

Vinyl Chloride

Concen: 137.170 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066520.D

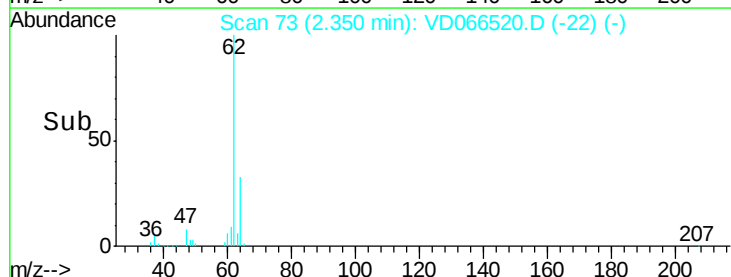
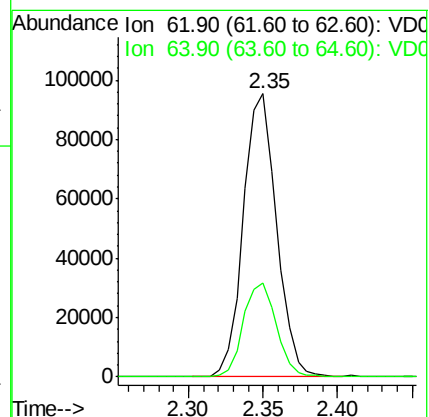
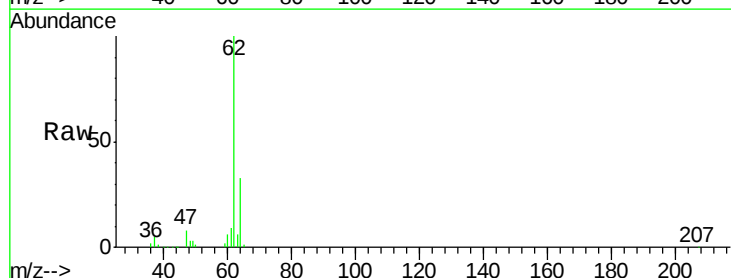
Acq: 02 Sep 2020 13:37

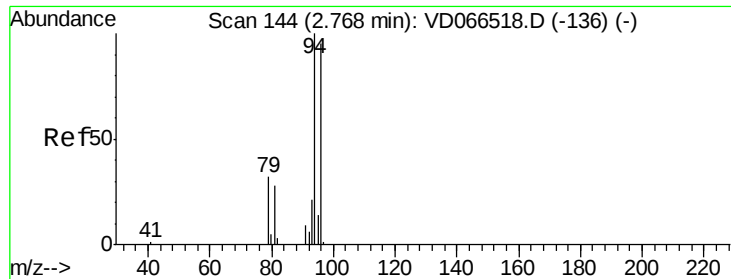
Tgt Ion: 62 Resp: 147366

Ion Ratio Lower Upper

62 100

64 33.3 23.4 35.2





#5

Bromomethane

Concen: 142.181 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 124841

Ion Ratio Lower Upper

94 100

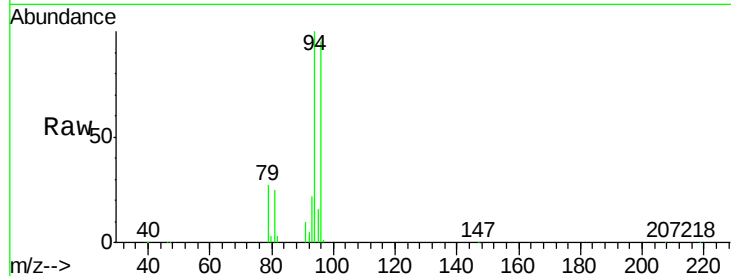
96 94.5 75.8 113.8

Manual Integrations

APPROVED

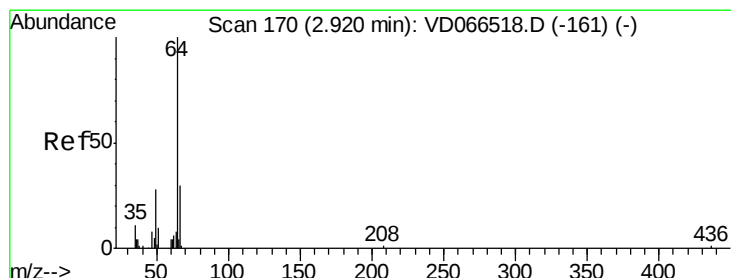
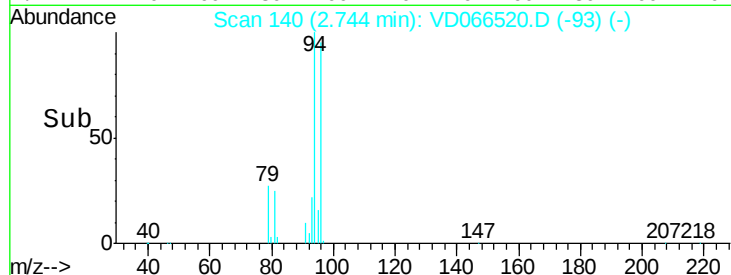
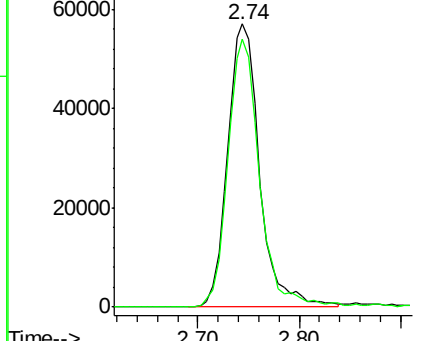
MMDadoda

9/3/2020 4:57:20 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 140.476 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066520.D

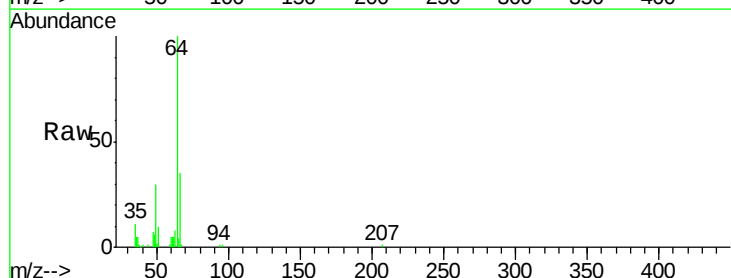
Acq: 02 Sep 2020 13:37

Tgt Ion: 64 Resp: 101534

Ion Ratio Lower Upper

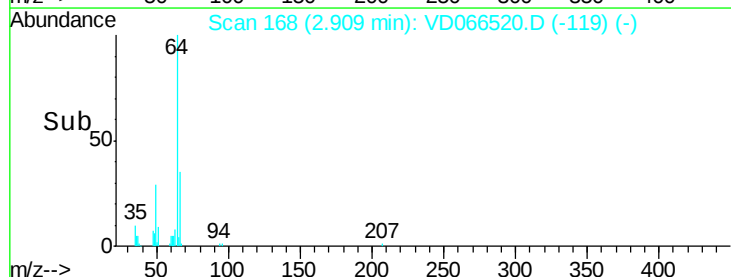
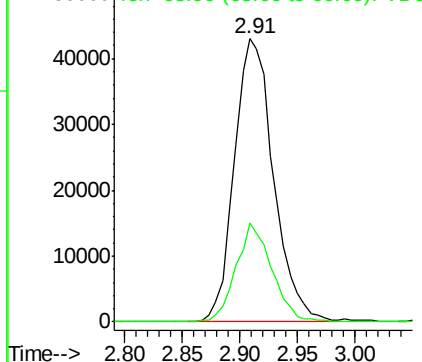
64 100

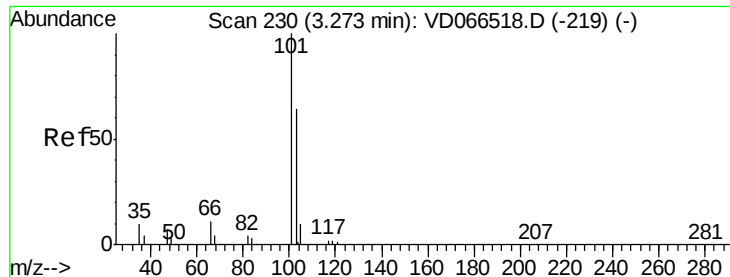
66 35.1 23.7 35.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

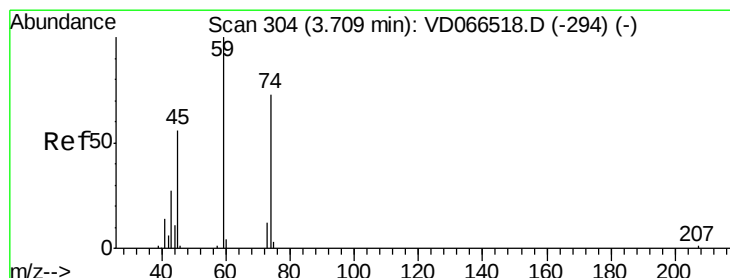
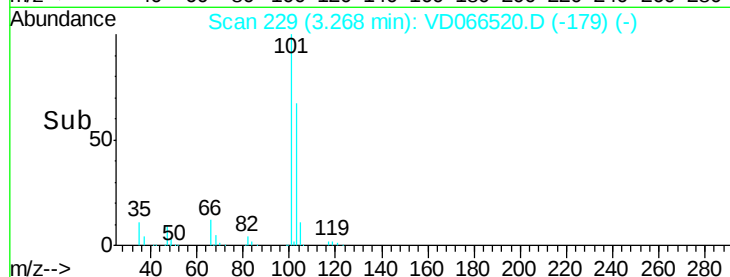
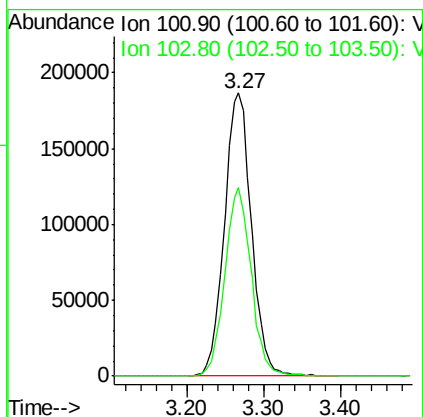
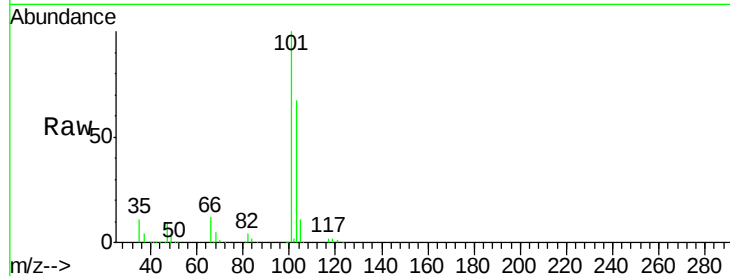
Trichlorofluoromethane
Concen: 139.372 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.9	76.3

Manual Integrations
APPROVED

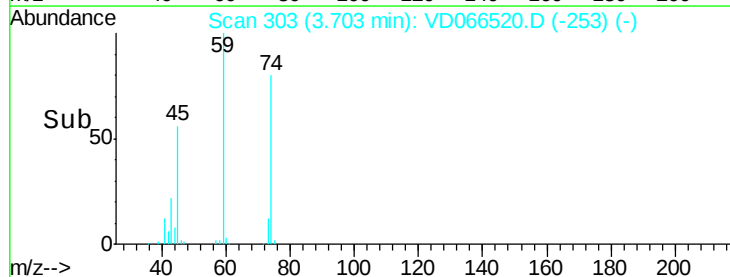
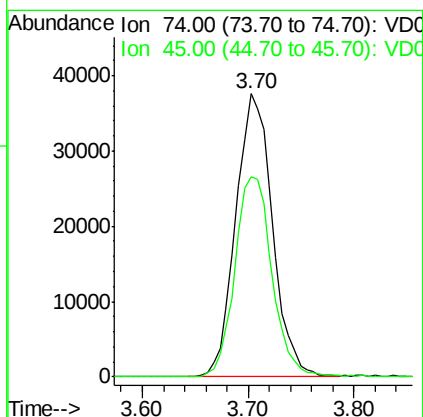
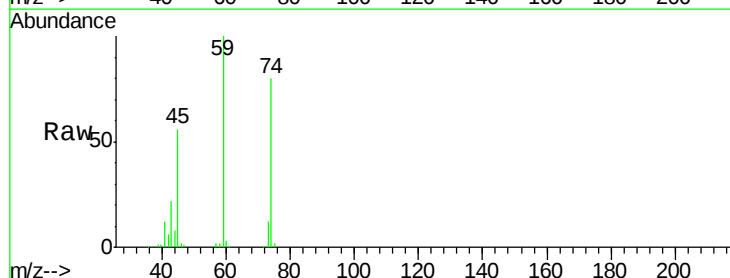
MMDadoda
9/3/2020 4:57:20 PM

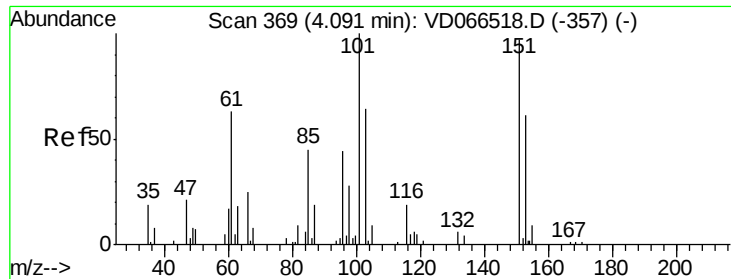


#8

Diethyl Ether
Concen: 147.946 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	71.2	38.6	115.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.417 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

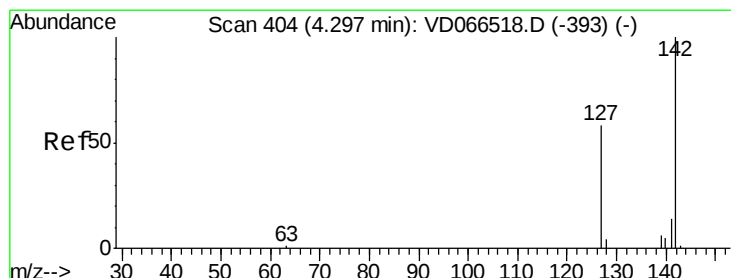
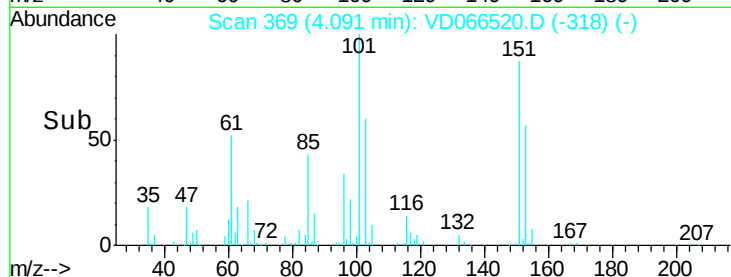
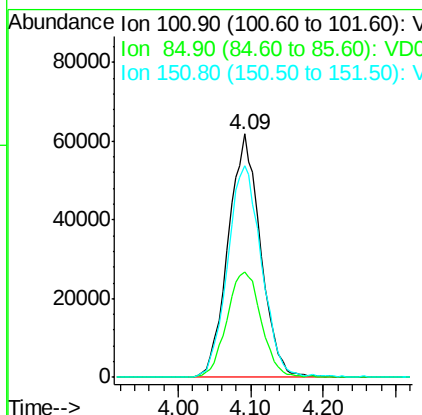
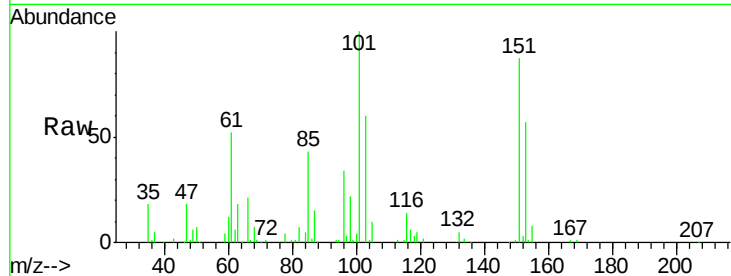
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	191500
Ion Ratio	Lower	Upper	
101	100		
85	45.8	39.4	59.0
151	91.2	75.5	113.3

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#10

Methyl Iodide

Concen: 164.972 ug/l

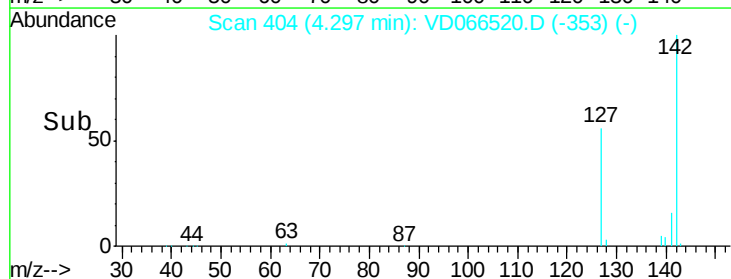
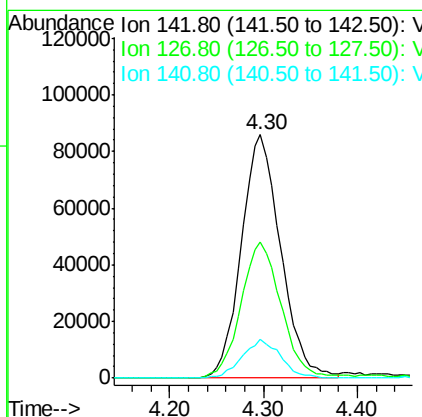
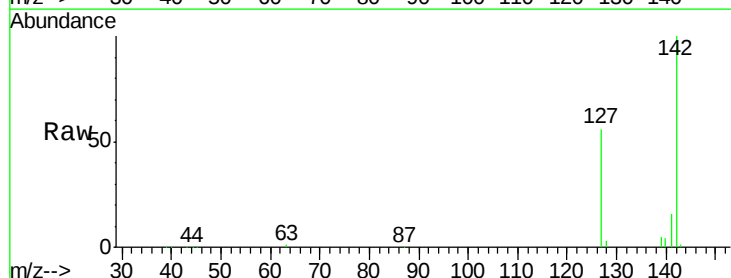
RT: 4.30 min Scan# 404

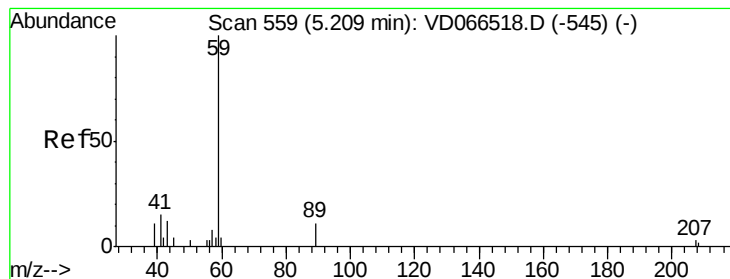
Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion:	142	Resp:	249477
Ion Ratio	Lower	Upper	
142	100		
127	56.8	46.3	69.5
141	15.5	12.4	18.6





#11

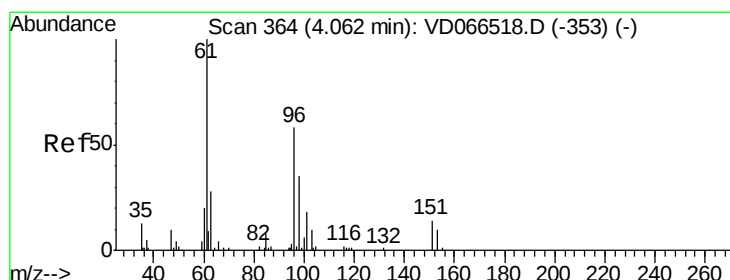
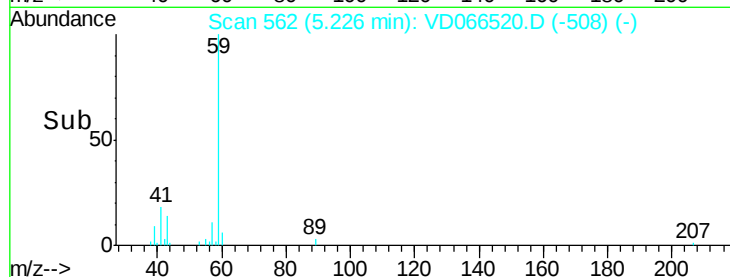
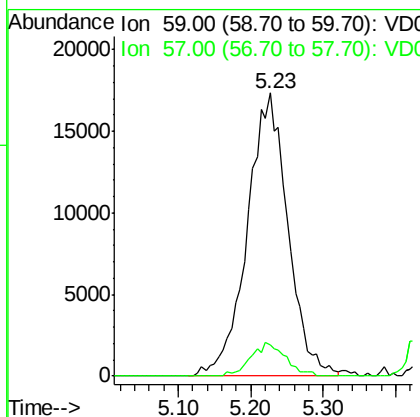
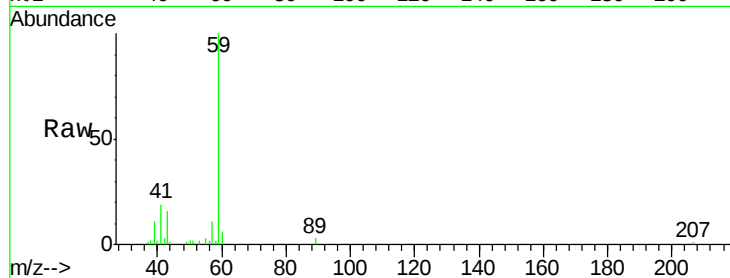
Tert butyl alcohol
 Concen: 501.713 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.02 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	67523		
57	10.2		6.8	10.2

Manual Integrations
 APPROVED

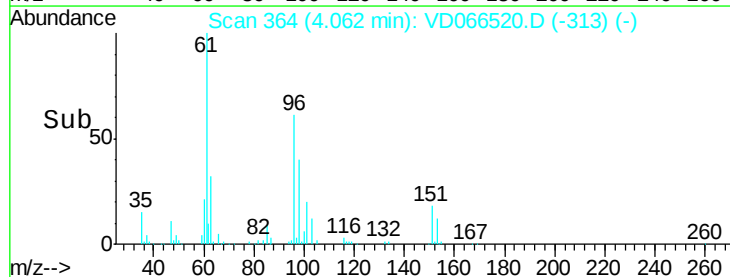
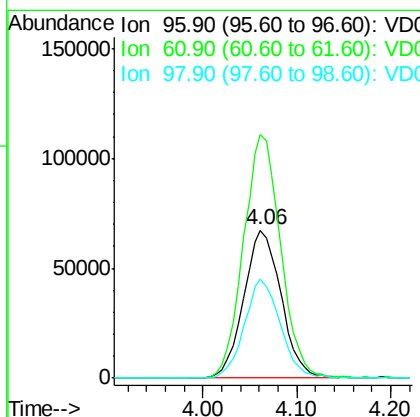
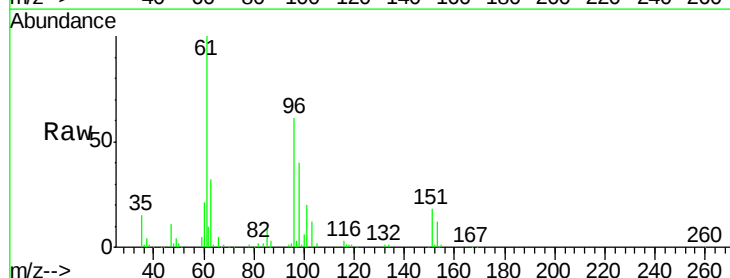
MMDadoda
 9/3/2020 4:57:20 PM

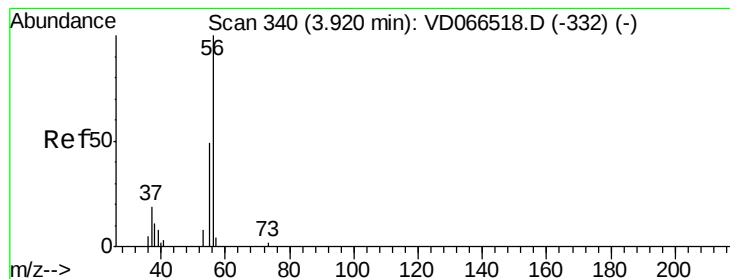


#12

1,1-Dichloroethene
 Concen: 144.404 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	185073		
61	164.8		137.5	206.3
98	66.6		47.8	71.6





#13

Acrolein

Concen: 708.676 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 42524

Ion Ratio Lower Upper

56 100

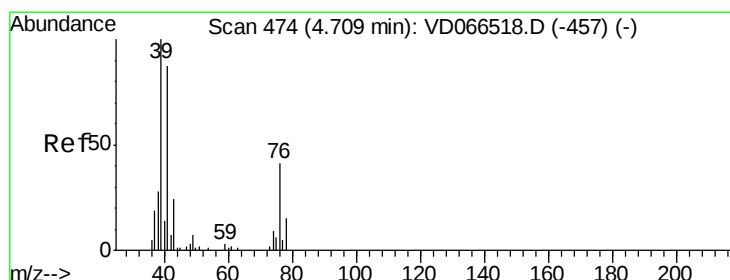
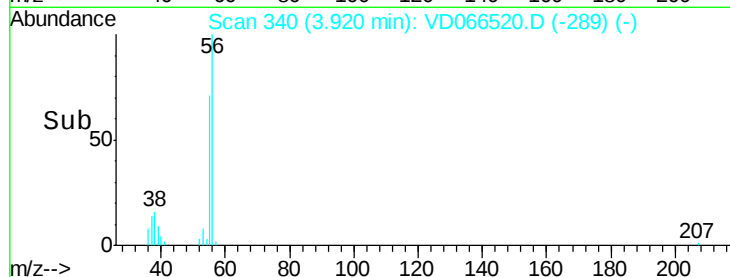
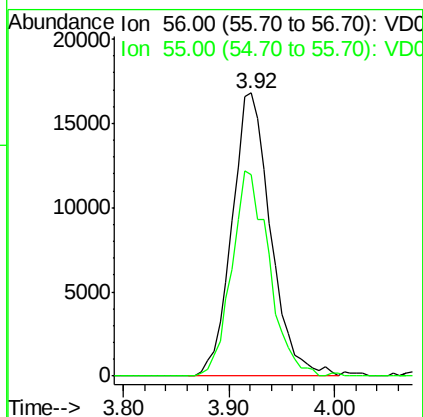
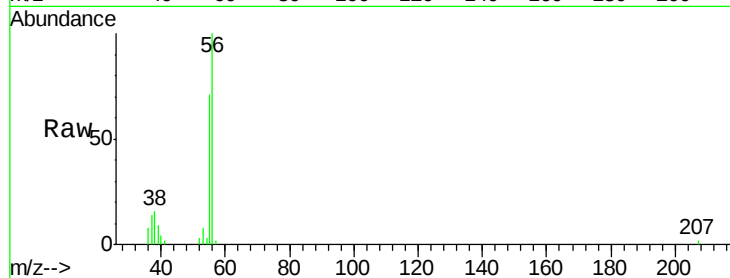
55 70.0 53.0 79.4

Manual Integrations

APPROVED

MMDadoda

9/3/2020 4:57:20 PM



#14

Allyl chloride

Concen: 151.710 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

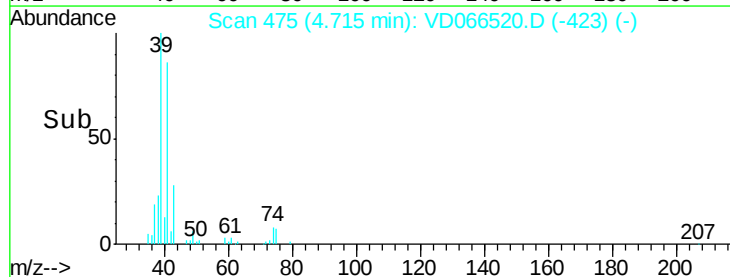
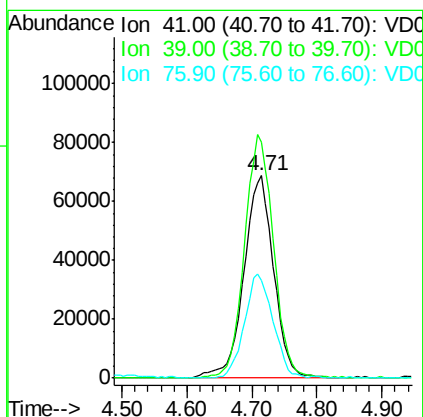
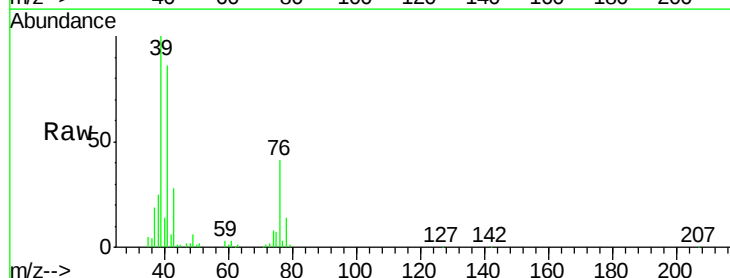
Tgt Ion: 41 Resp: 217339

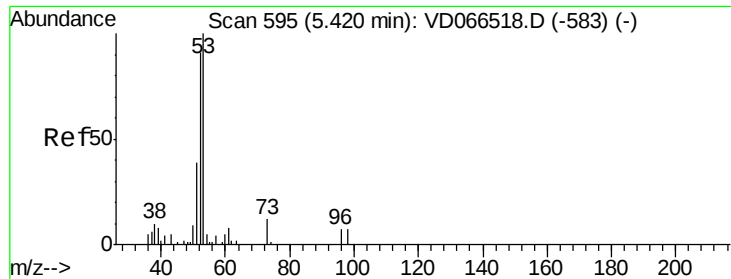
Ion Ratio Lower Upper

41 100

39 117.2 93.8 140.8

76 49.3 39.4 59.0





#15

Acrylonitrile

Concen: 759.887 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

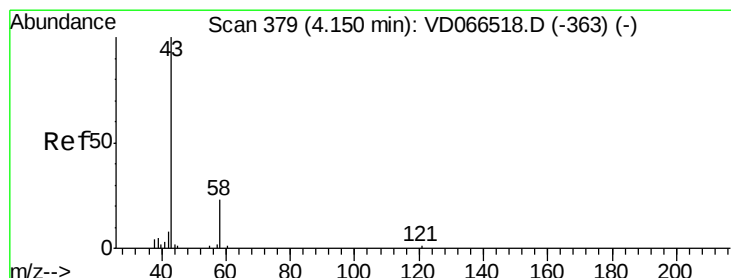
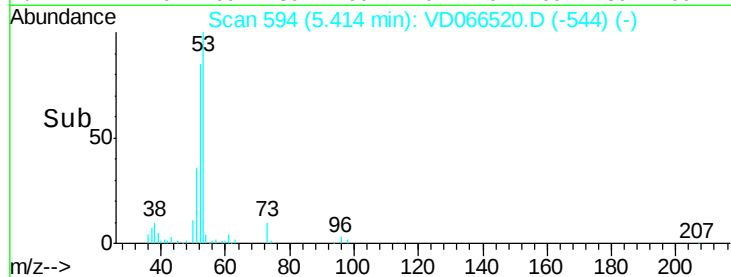
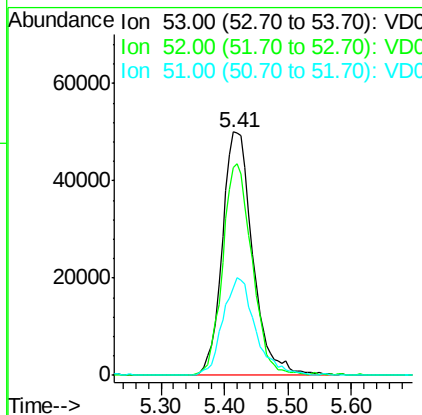
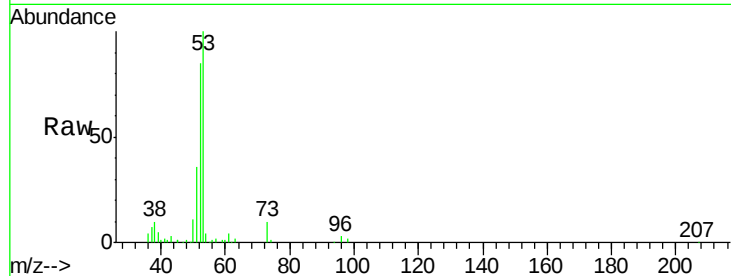
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	167256
Ion	Ratio	Lower	Upper
53	100		
52	83.7	71.0	106.4
51	42.6	35.8	53.6

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#16

Acetone

Concen: 671.839 ug/l

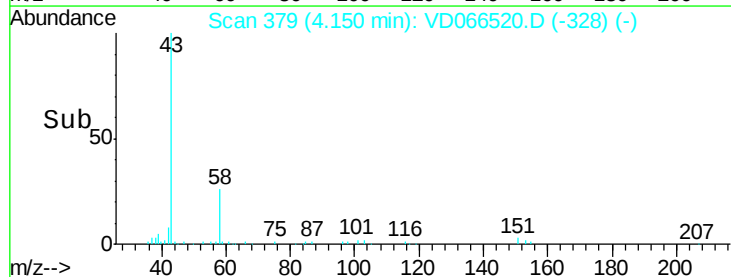
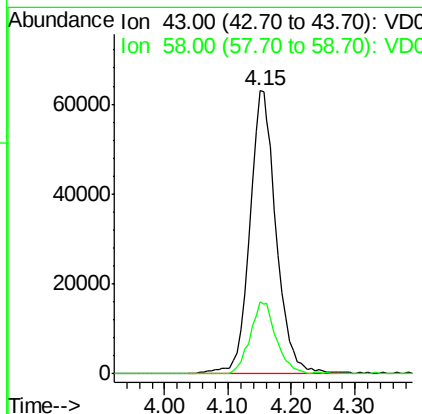
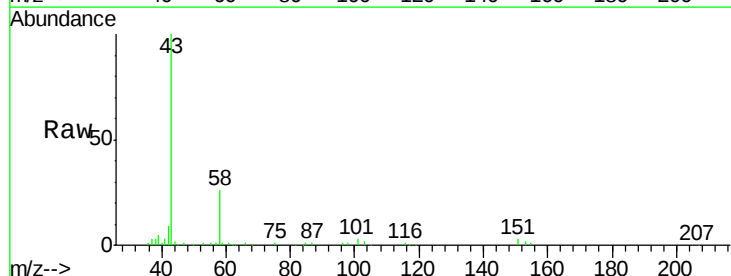
RT: 4.15 min Scan# 379

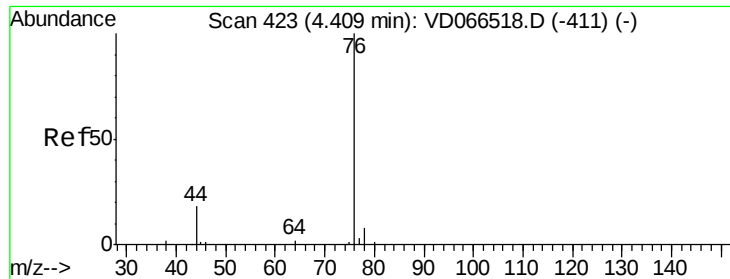
Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion:	43	Resp:	183553
Ion	Ratio	Lower	Upper
43	100		
58	25.6	18.1	27.1





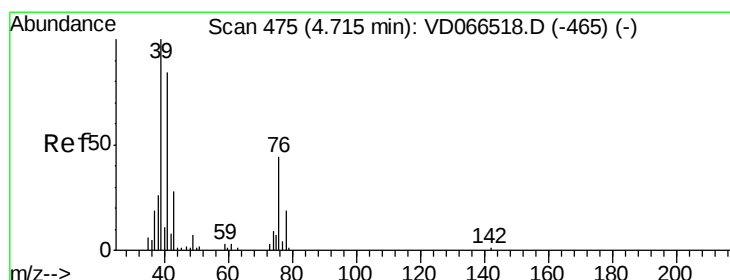
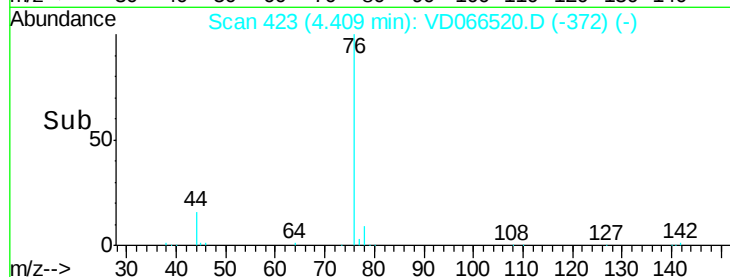
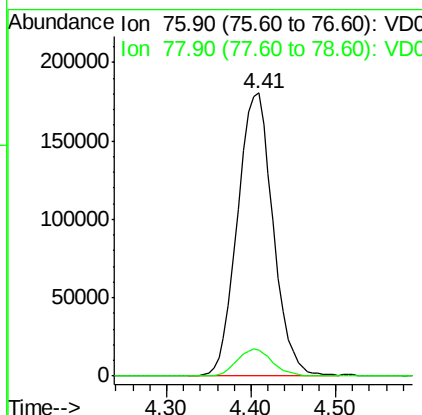
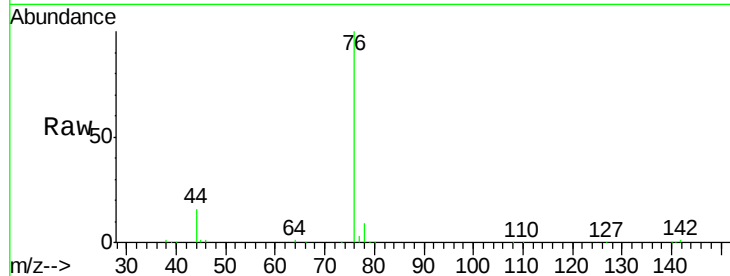
#17
Carbon Disulfide
Concen: 142.894 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.2	9.4#

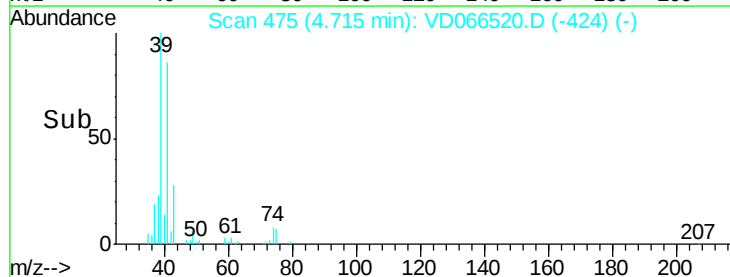
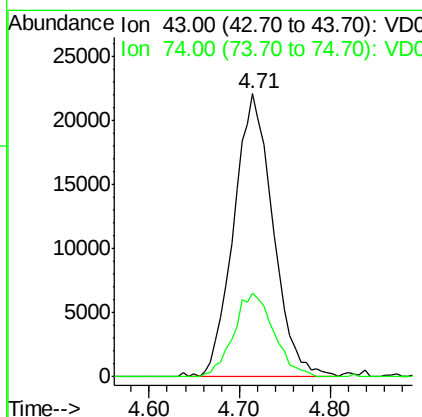
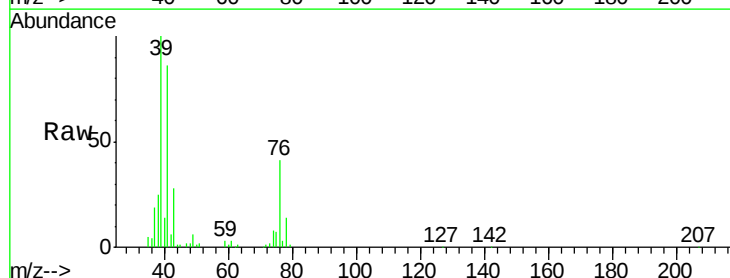
Manual Integrations
APPROVED

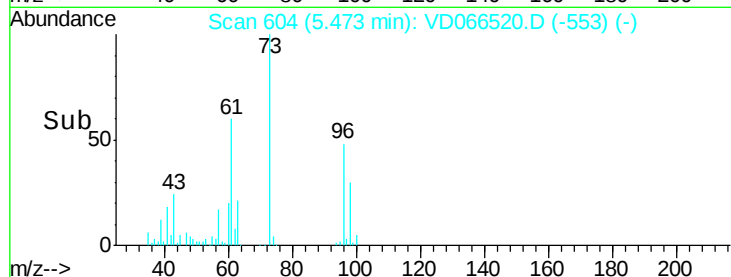
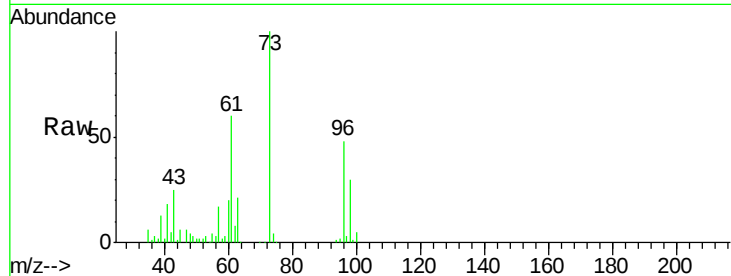
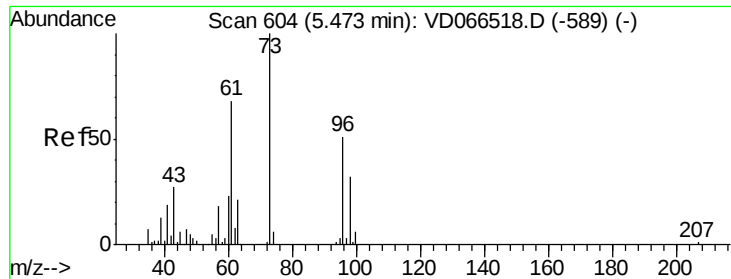
MMDadoda
9/3/2020 4:57:20 PM



#18
Methyl Acetate
Concen: 151.568 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.3	26.3	39.5





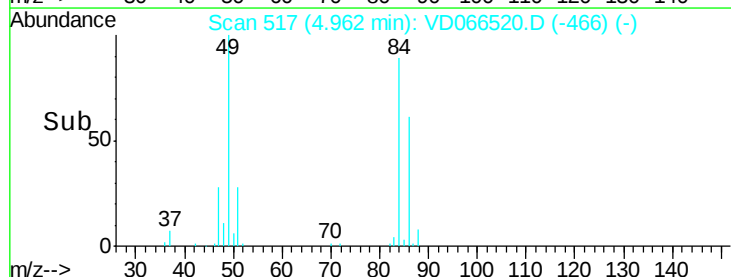
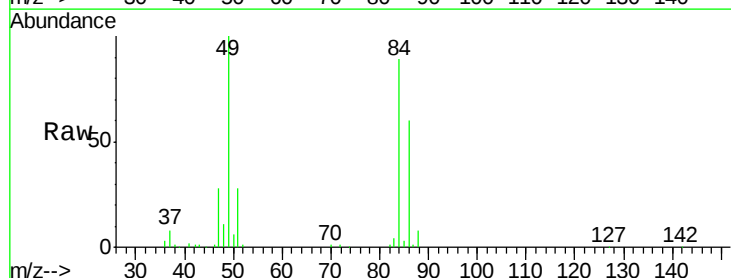
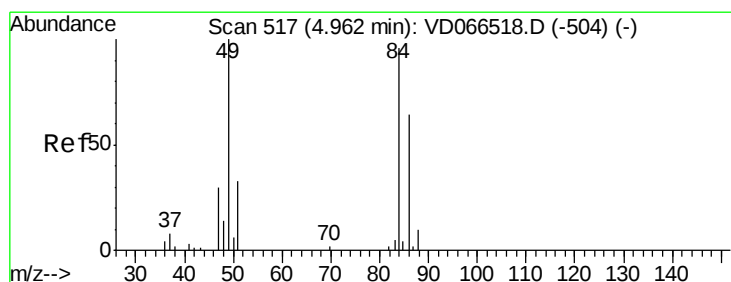
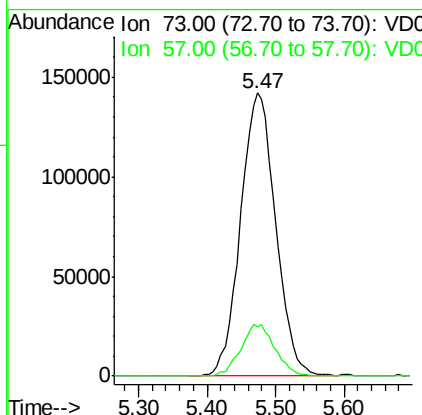
#19
Methyl tert-butyl Ether
Concen: 151.269 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.2	14.6	22.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

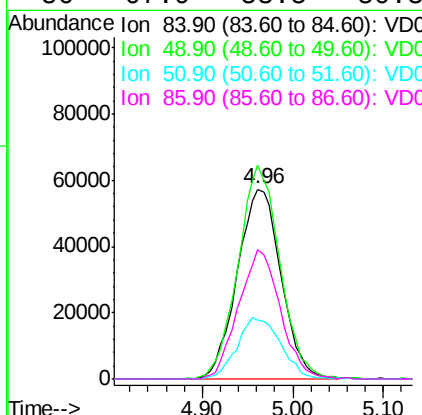
Manual Integrations
APPROVED

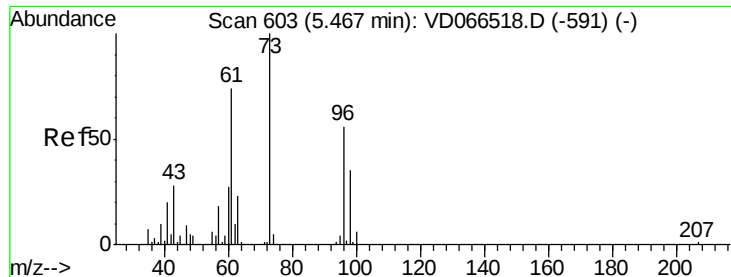
MMDadoda
9/3/2020 4:57:20 PM



#20
Methylene Chloride
Concen: 120.366 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.0	83.5	125.3
51	31.1	27.8	41.8
86	67.9	53.5	80.3





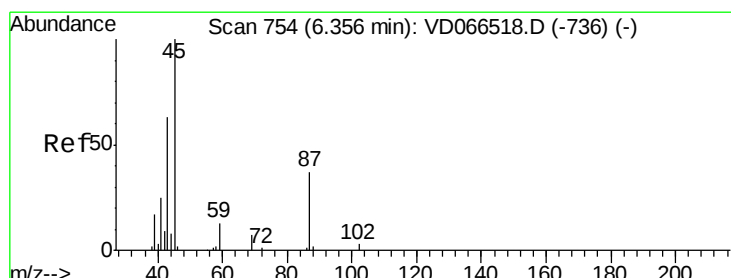
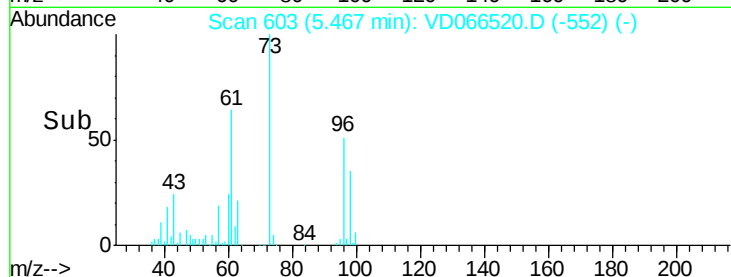
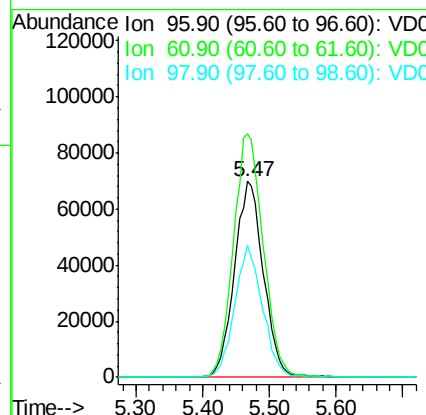
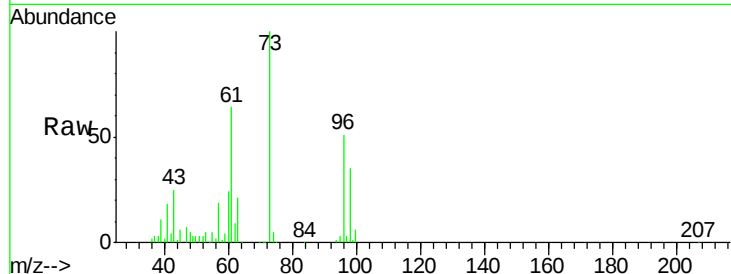
#21
trans-1,2-Dichloroethene
Concen: 144.201 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.5	106.6	160.0
98	67.8	50.6	76.0

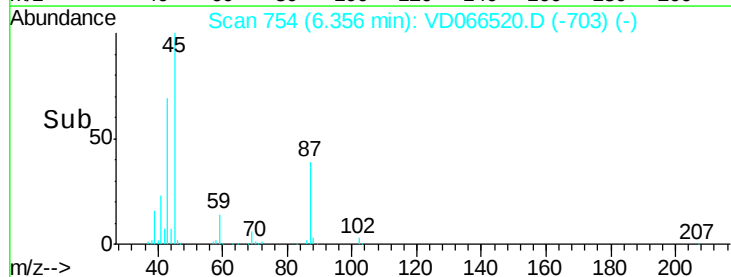
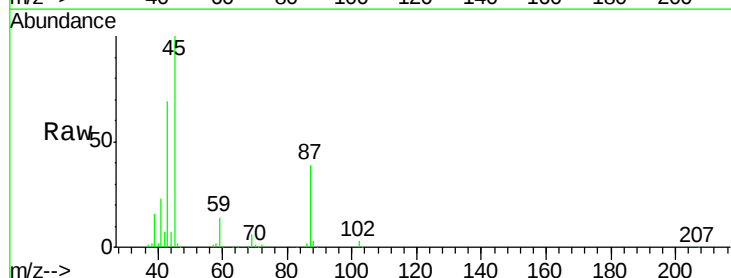
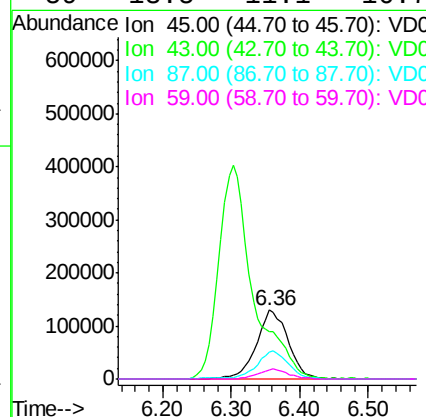
Manual Integrations
APPROVED

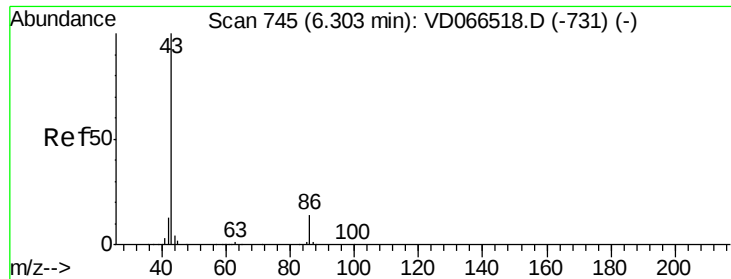
MMDadoda
9/3/2020 4:57:20 PM



#22
Diisopropyl ether
Concen: 145.631 ug/l
RT: 6.36 min Scan# 754
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.6	53.4	80.0
87	38.3	30.2	45.4
59	13.5	11.1	16.7





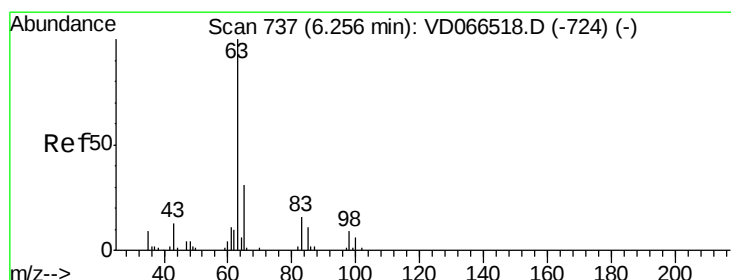
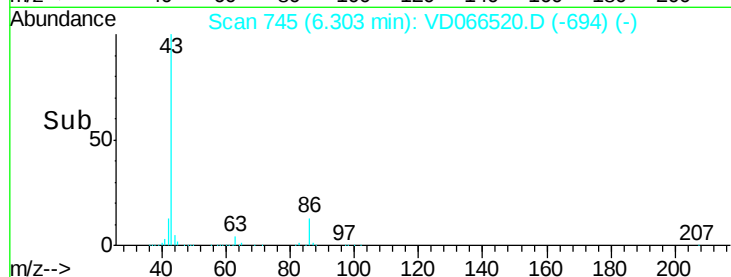
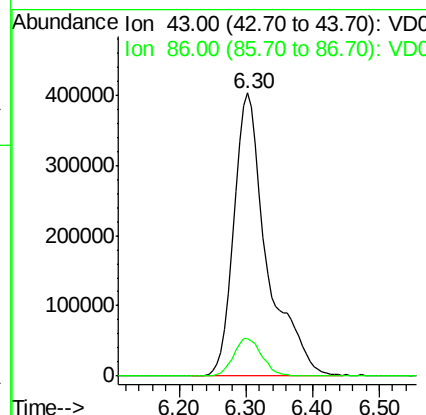
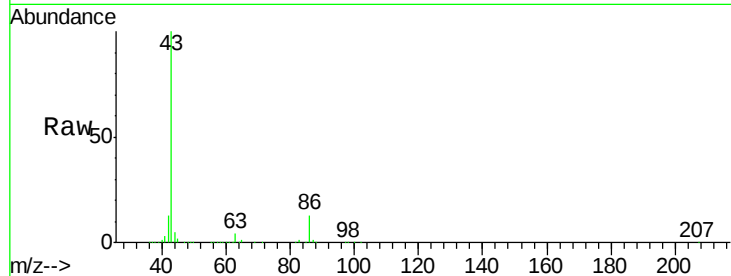
#23
 Vinyl Acetate
 Concen: 755.939 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Tot Ion: 43 Resp: 1395398
 Ion Ratio Lower Upper
 43 100
 86 13.4 11.3 16.9

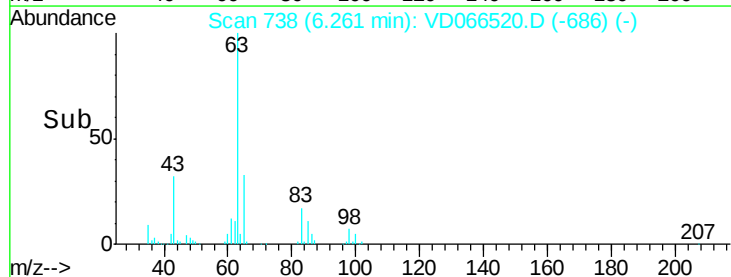
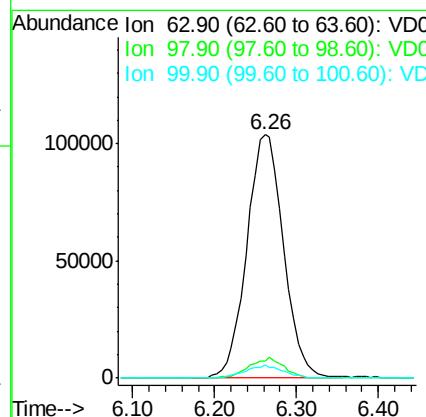
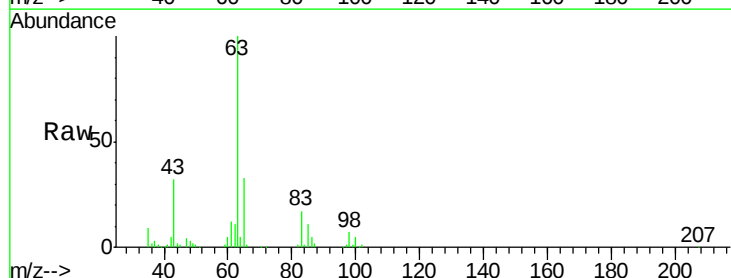
Manual Integrations
 APPROVED

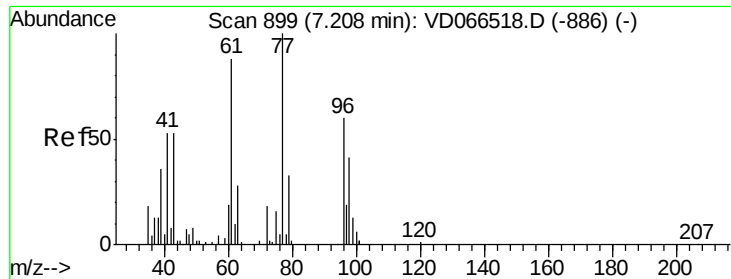
MMDadoda
 9/3/2020 4:57:20 PM



#24
 1,1-Dichloroethane
 Concen: 143.850 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 63 Resp: 324390
 Ion Ratio Lower Upper
 63 100
 98 7.1 4.3 13.1
 100 5.4 2.9 8.7





#25

2-Butanone

Concen: 717.761 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 202968

Ion Ratio Lower Upper

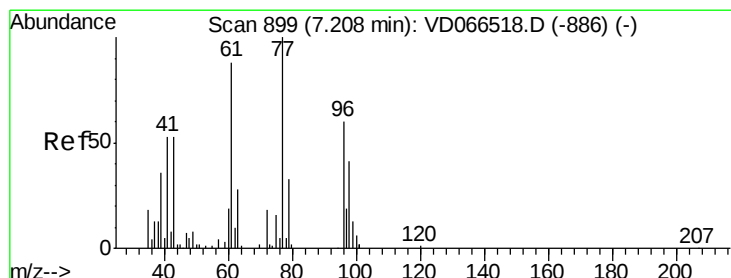
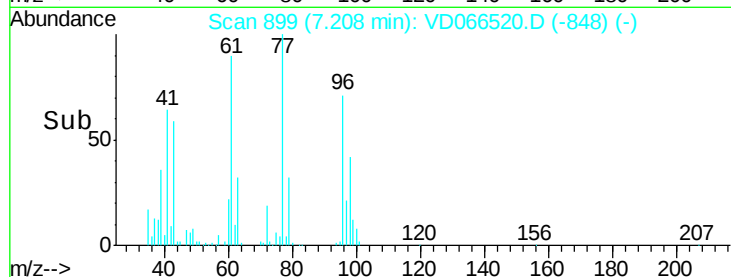
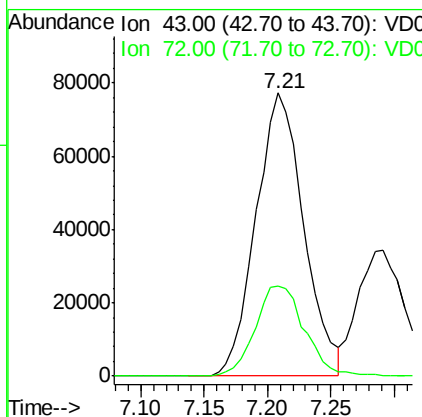
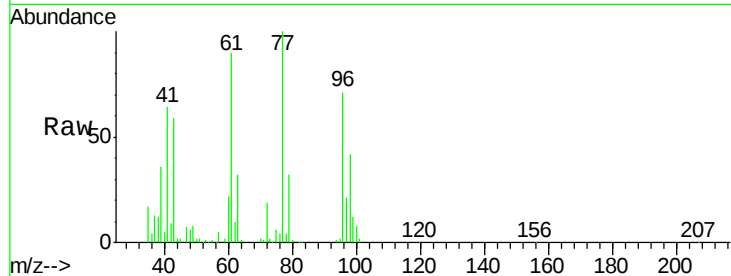
43 100

72 31.7 26.8 40.2

Manual Integrations
APPROVED

MMDadoda

9/3/2020 4:57:20 PM



#26

2,2-Dichloropropane

Concen: 139.504 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066520.D

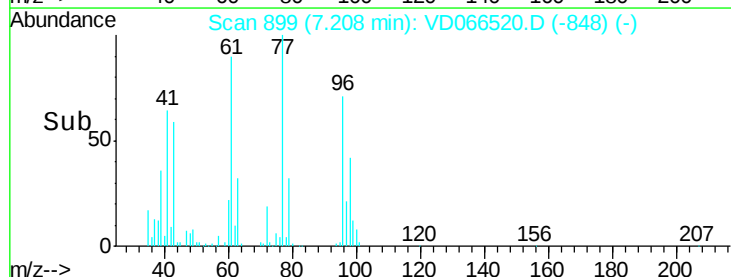
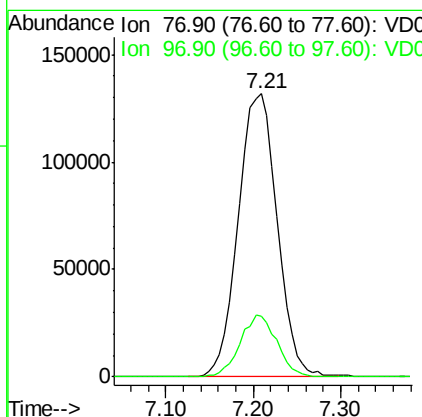
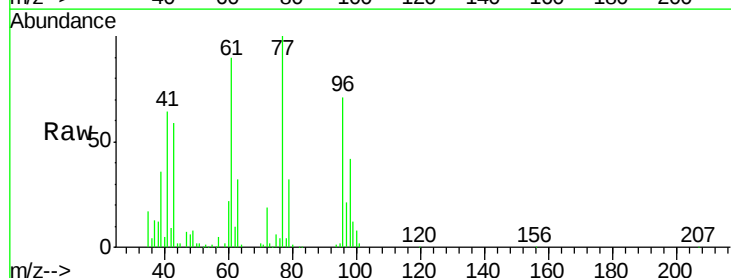
Acq: 02 Sep 2020 13:37

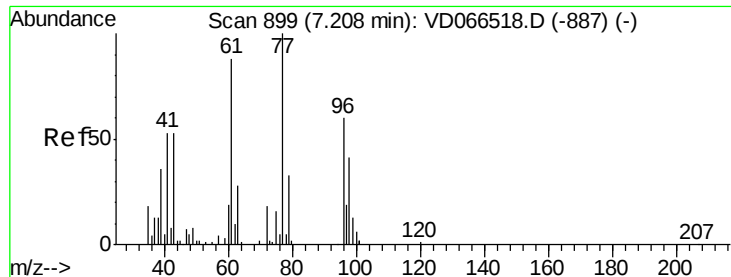
Tgt Ion: 77 Resp: 398613

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.4





#27

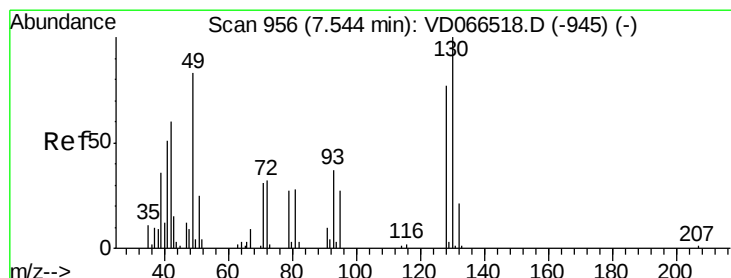
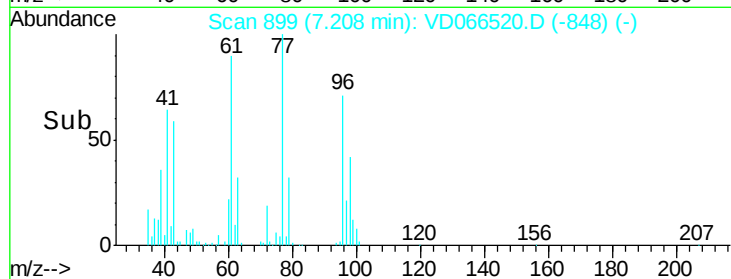
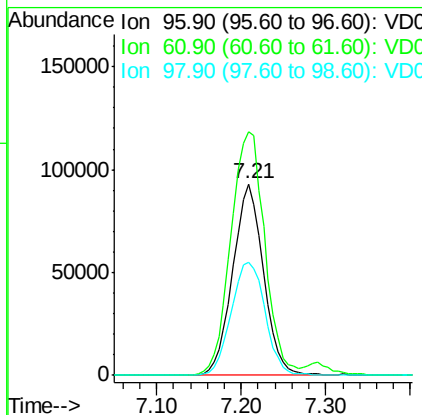
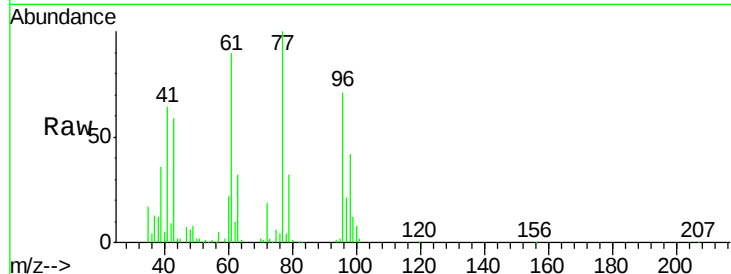
cis-1,2-Dichloroethene
 Concen: 147.415 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	234351		
61	140.3	0.0	292.8	
98	64.9	0.0	130.2	

Manual Integrations
 APPROVED

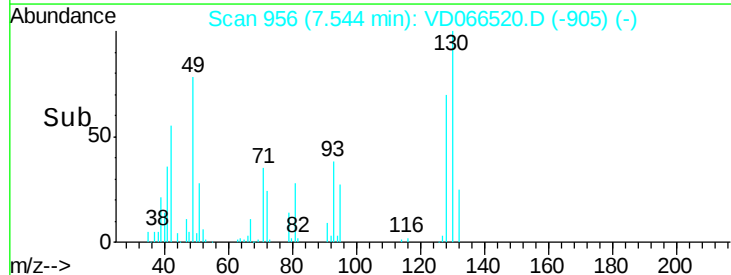
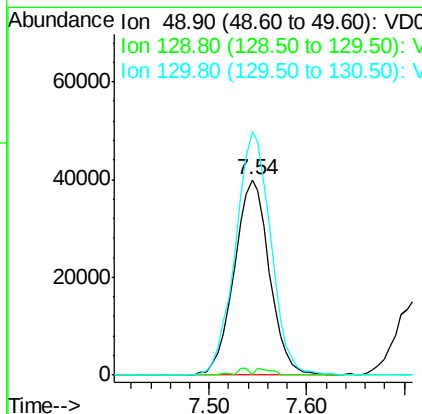
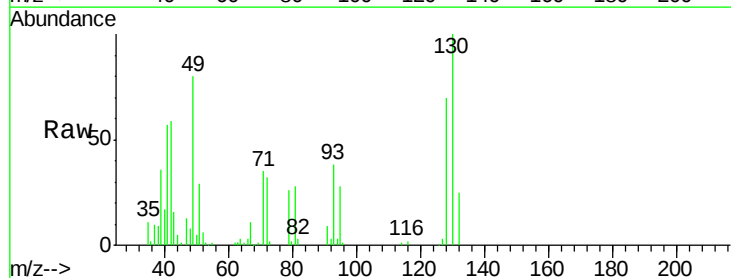
MMDadoda
 9/3/2020 4:57:20 PM

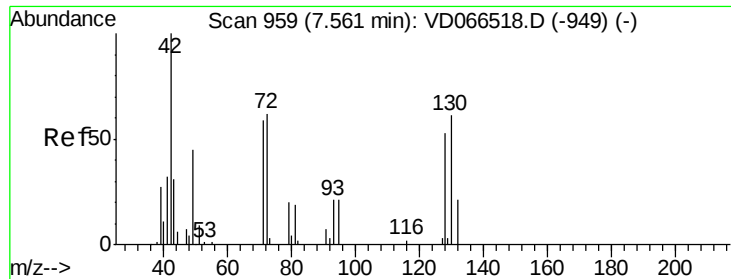


#28

Bromochloromethane
 Concen: 153.032 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99838		
129	1.3	0.0	1.2#	
130	125.8	98.0	147.0	





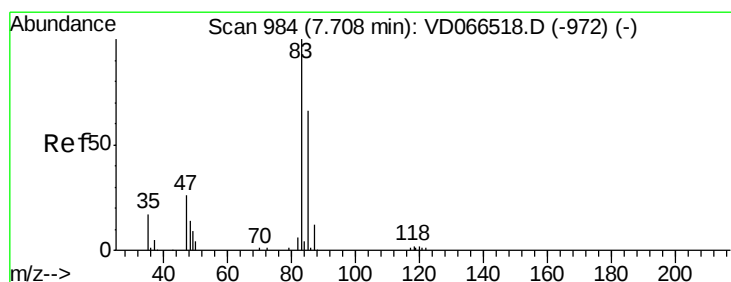
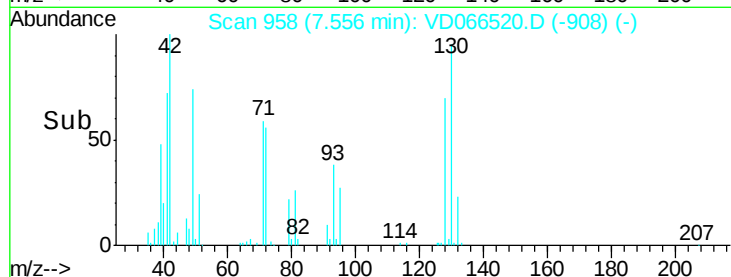
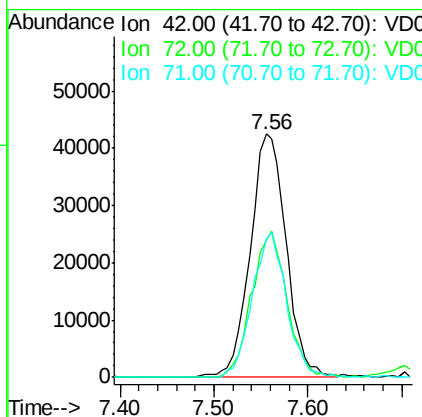
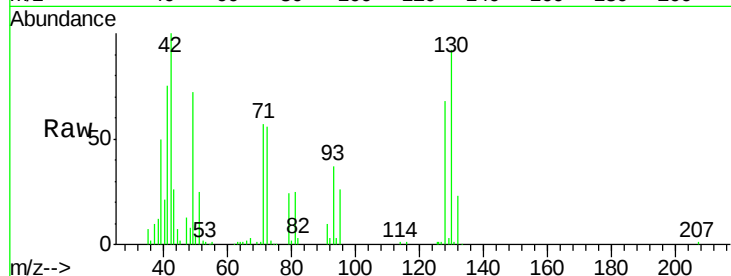
#29
Tetrahydrofuran
Concen: 772.308 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.0	48.6	72.8
71	56.7	43.2	64.8

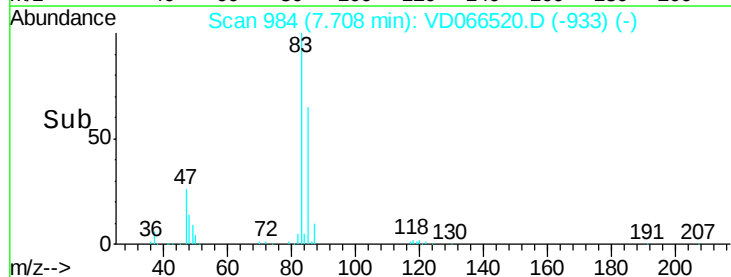
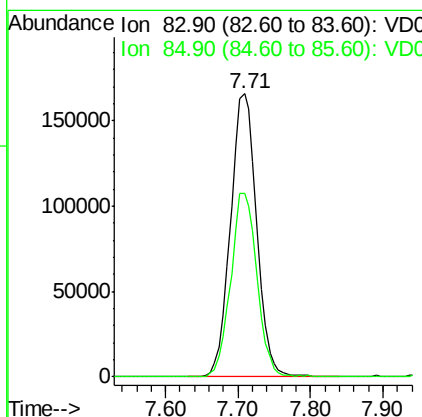
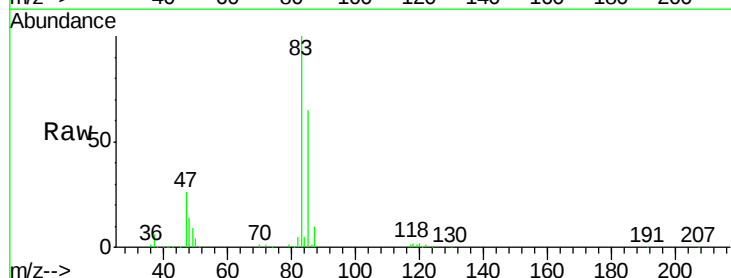
Manual Integrations
APPROVED

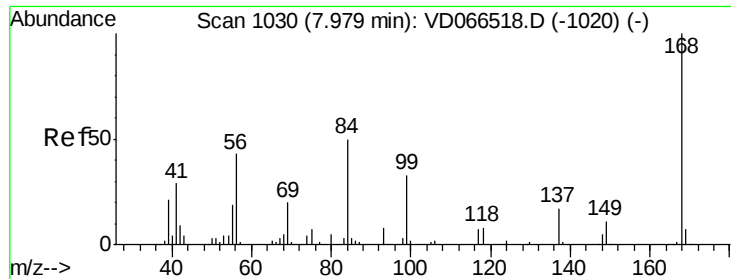
MMDadoda
9/3/2020 4:57:20 PM



#30
Chloroform
Concen: 142.690 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	79.0





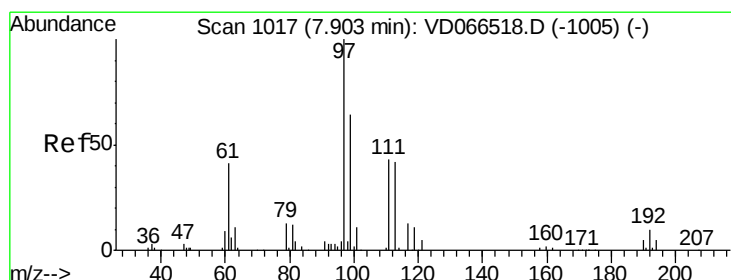
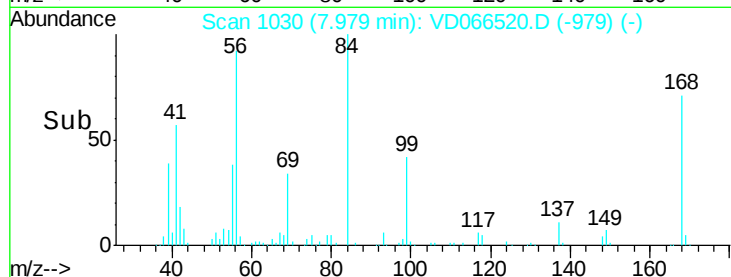
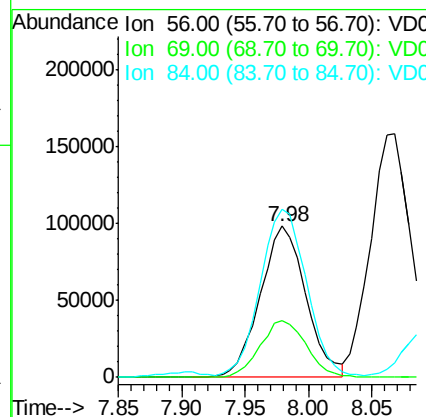
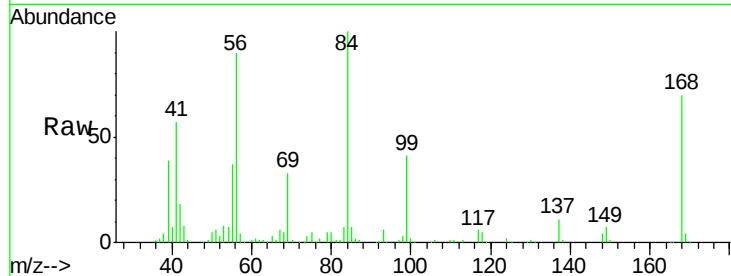
#31
Cyclohexane
Concen: 126.571 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.2	36.8	55.2	
84	107.1	93.4	140.0	

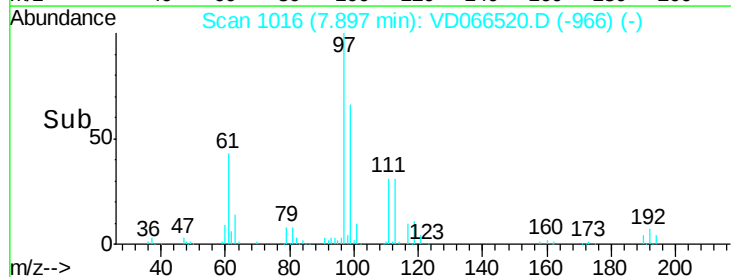
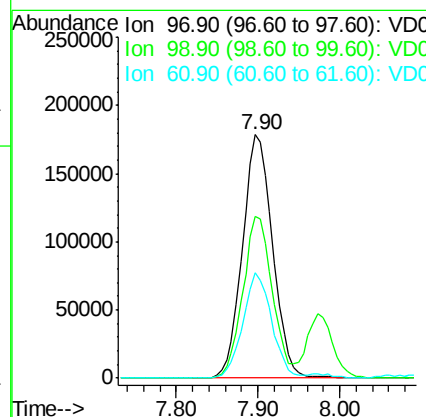
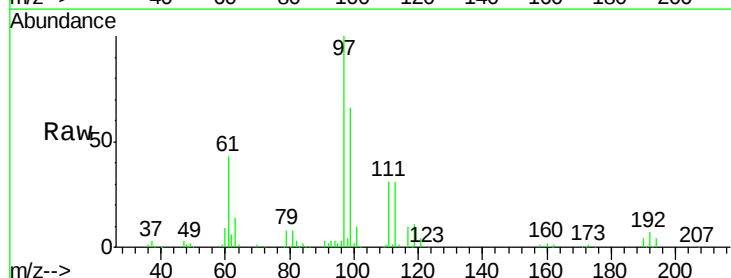
Manual Integrations
APPROVED

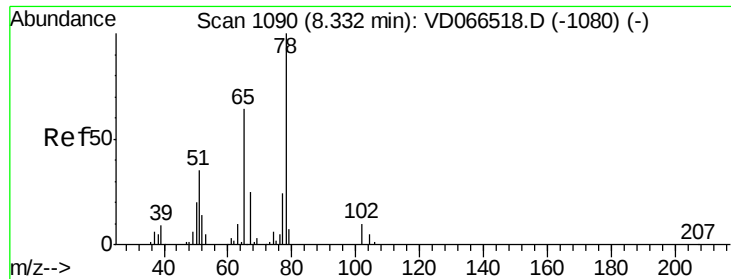
MMDadoda
9/3/2020 4:57:20 PM



#32
1,1,1-Trichloroethane
Concen: 141.563 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.0	51.7	77.5	
61	41.3	32.6	48.8	





#33

1,2-Dichloroethane-d4

Concen: 149.821 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 276777

Ion Ratio Lower Upper

65 100

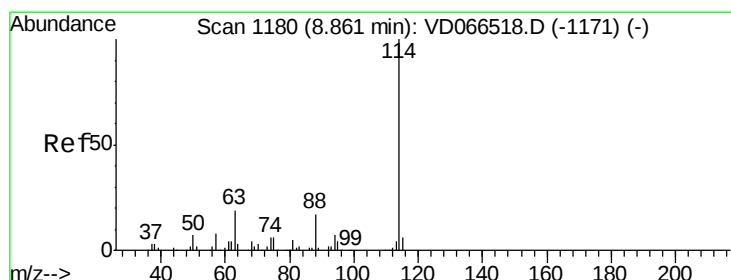
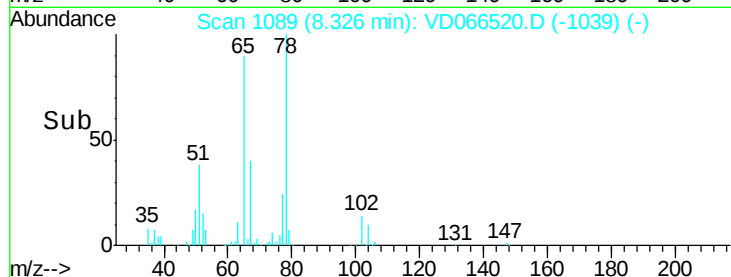
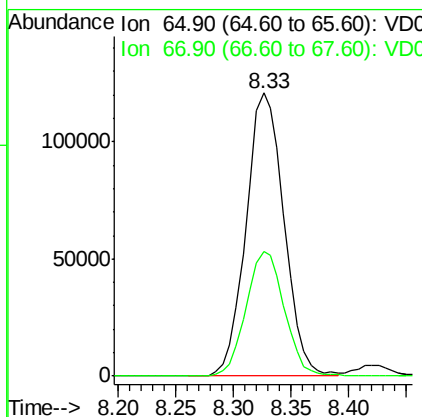
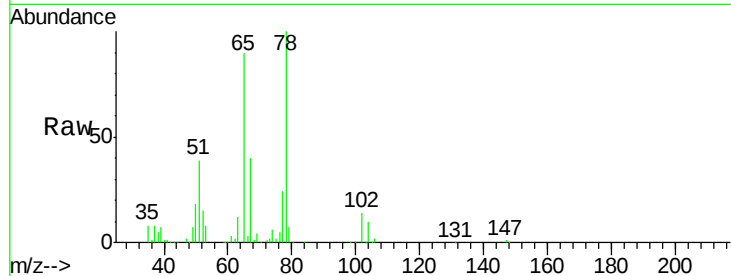
67 44.5 0.0 88.2

Manual Integrations

APPROVED

MMDadoda

9/3/2020 4:57:20 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

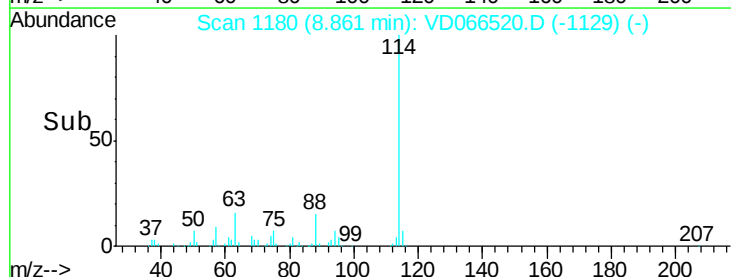
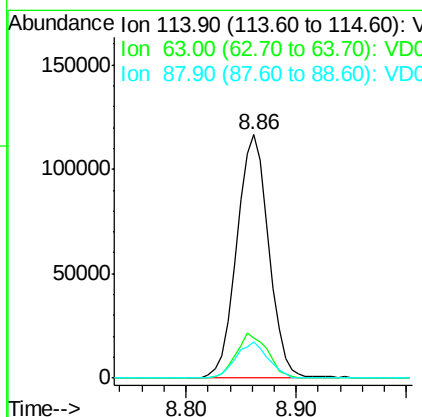
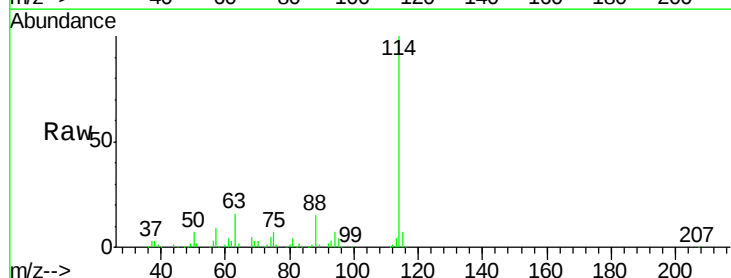
Tgt Ion: 114 Resp: 237025

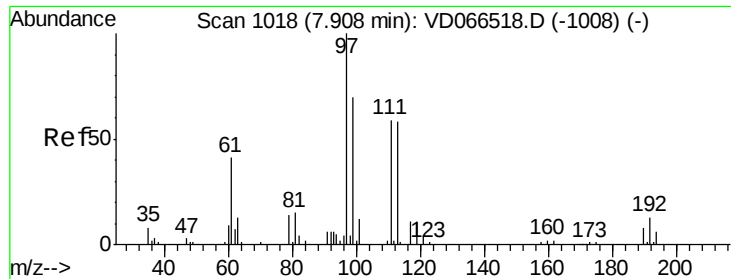
Ion Ratio Lower Upper

114 100

63 16.3 0.0 38.6

88 15.1 0.0 33.6





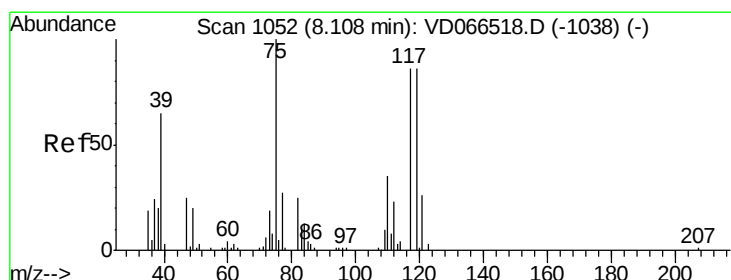
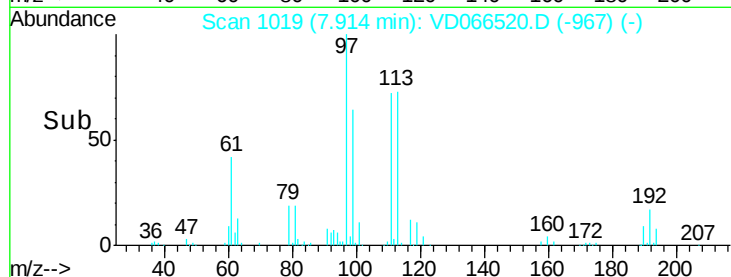
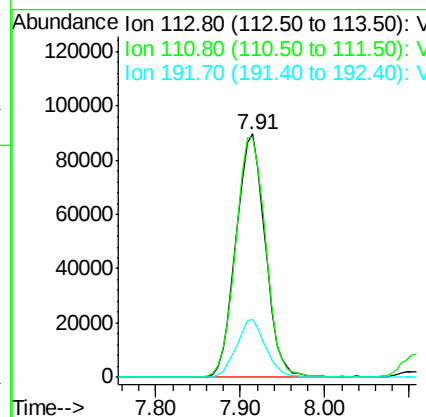
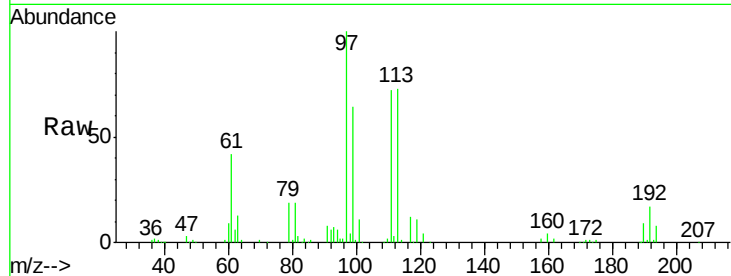
#35
 Dibromofluoromethane
 Concen: 150.546 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	214616		
111	101.1	82.5	123.7	
192	23.4	20.7	31.1	

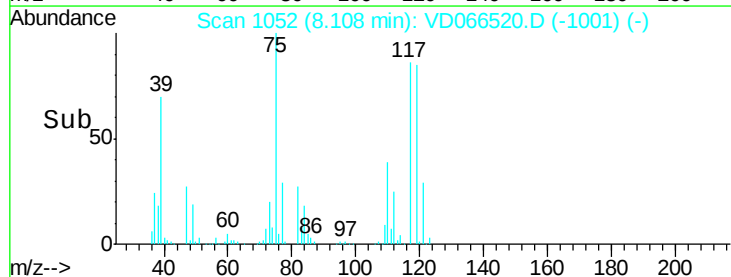
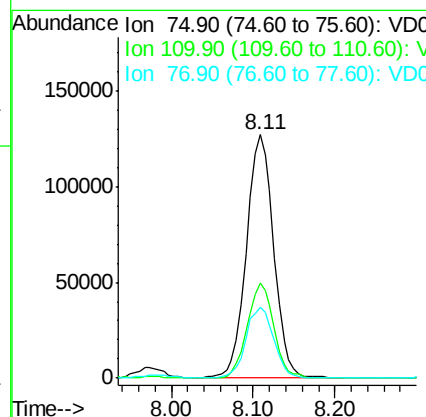
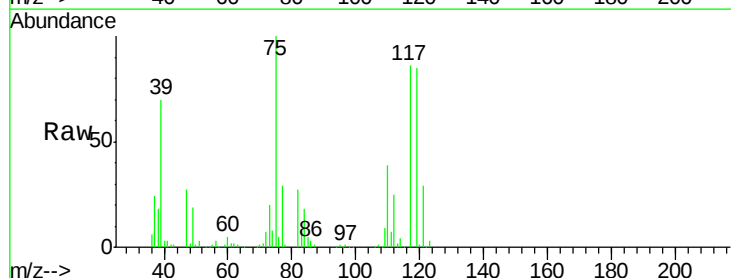
Manual Integrations
 APPROVED

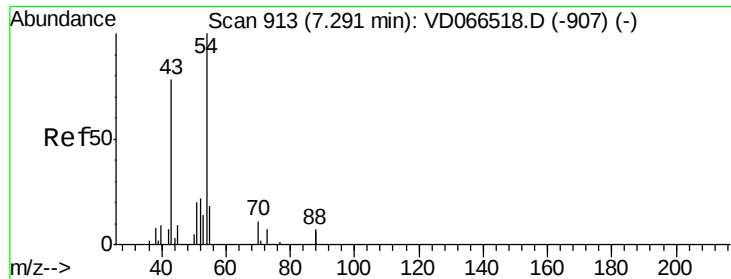
MMDadoda
 9/3/2020 4:57:20 PM



#36
 1,1-Dichloropropene
 Concen: 142.412 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	295898		
110	37.8	18.4	55.2	
77	29.8	24.6	36.8	





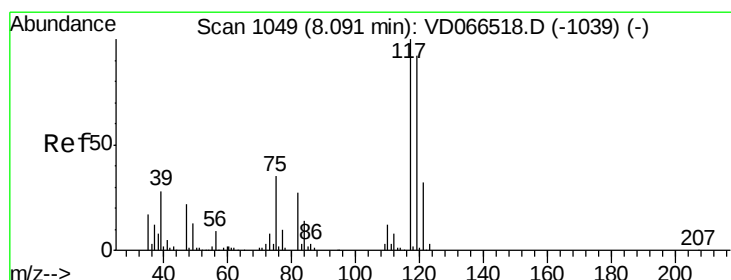
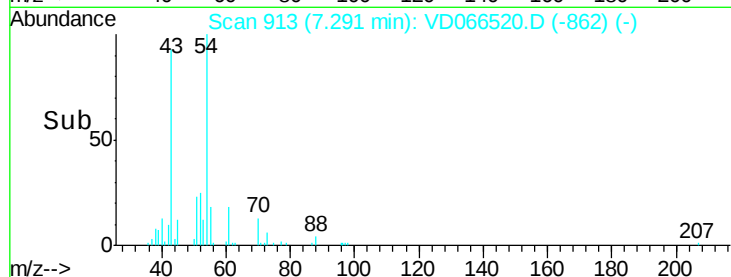
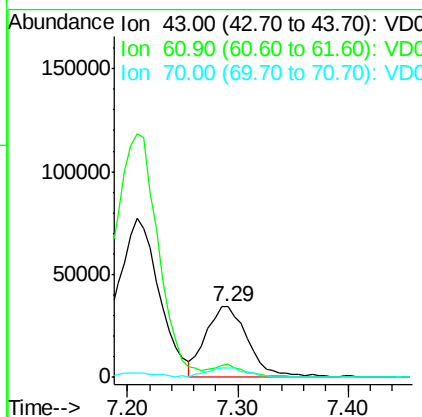
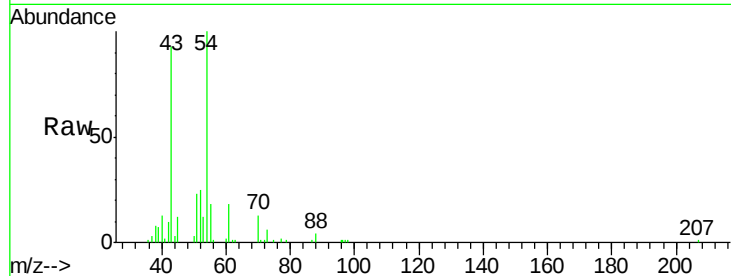
#37
Ethyl Acetate
Concen: 143.594 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	14.0	10.2	15.2

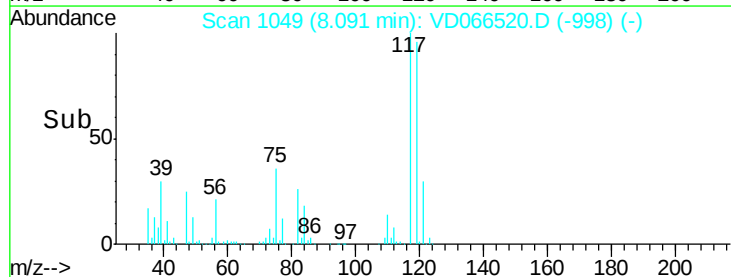
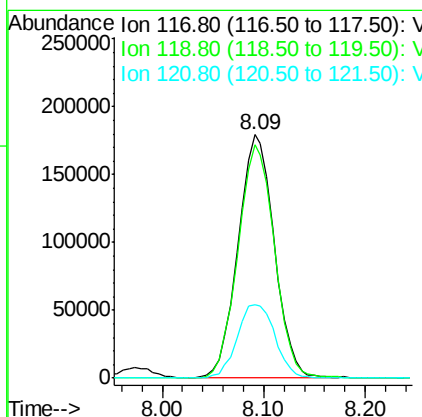
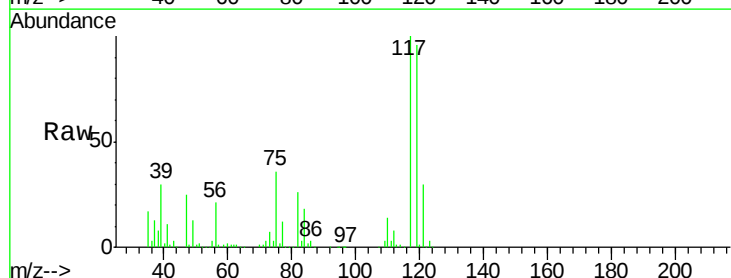
Manual Integrations
APPROVED

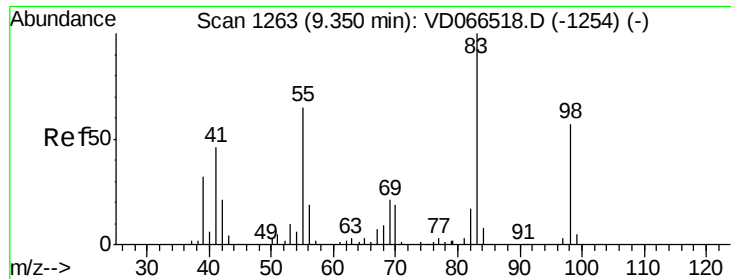
MMDadoda
9/3/2020 4:57:20 PM



#38
Carbon Tetrachloride
Concen: 140.192 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	73.9	110.9
121	30.0	25.6	38.4





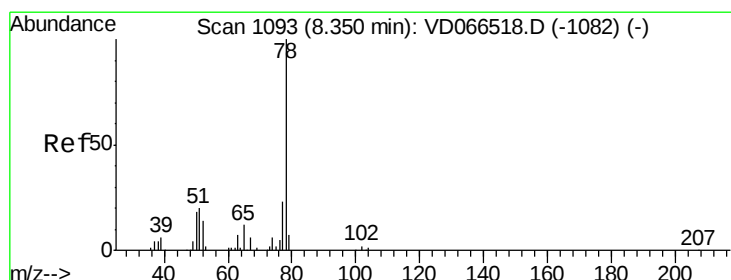
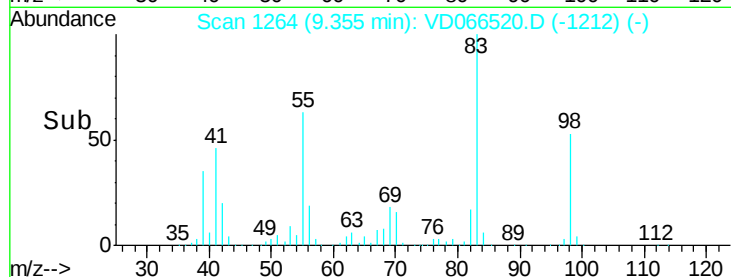
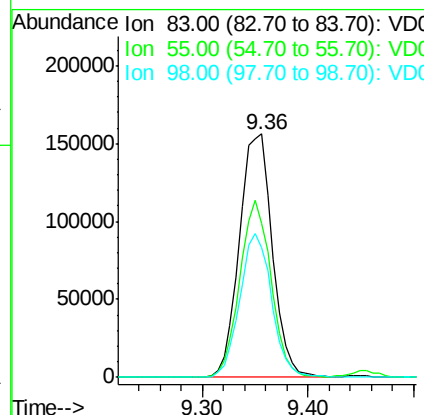
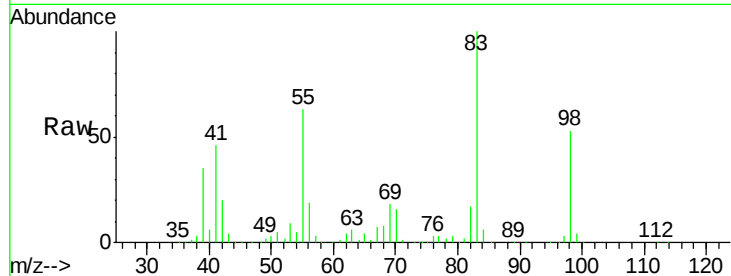
#39
Methvlcvclohexane
Concen: 139.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	338730
Ion Ratio	100	Lower	Upper
83	100		
55	63.1	52.2	78.2
98	53.2	45.6	68.4

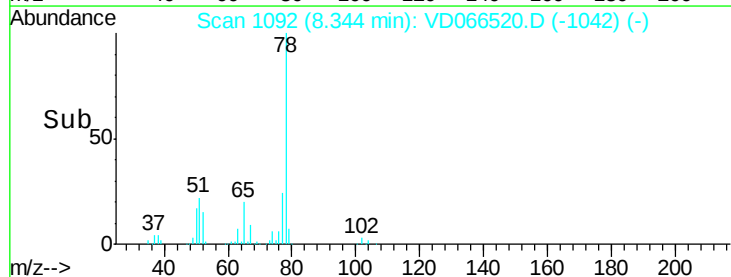
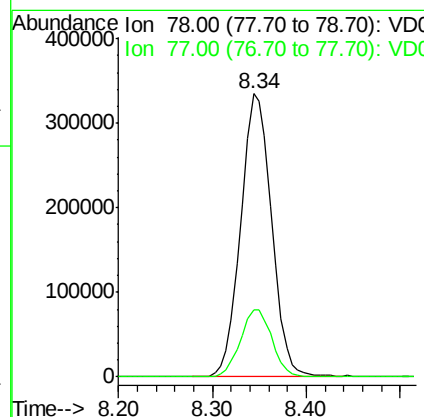
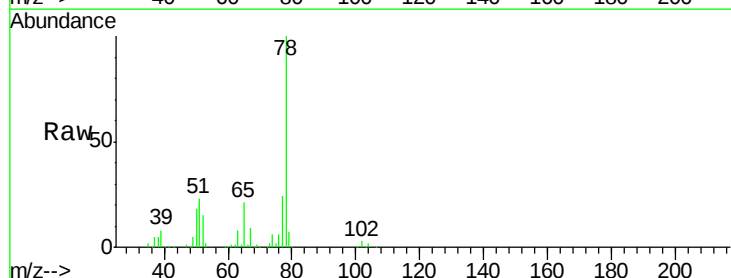
Manual Integrations
APPROVED

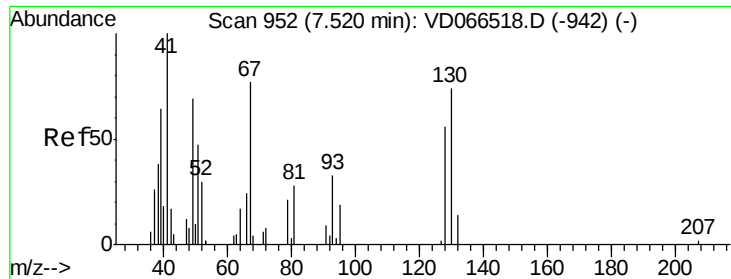
MMDadoda
9/3/2020 4:57:20 PM



#40
Benzene
Concen: 142.436 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	78	Resp	763430
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.1	27.1





#41

Methacrylonitrile

Concen: 130.559 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 46362

Ion Ratio Lower Upper

41 100

39 197.6 0.0 0.0#

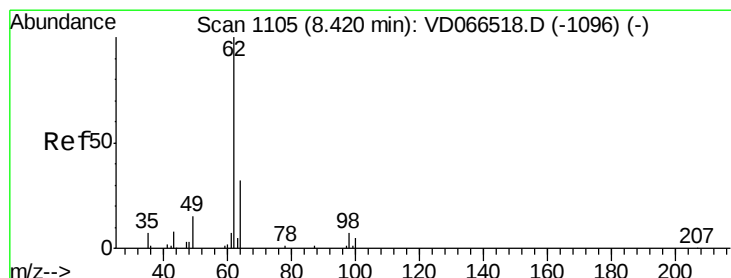
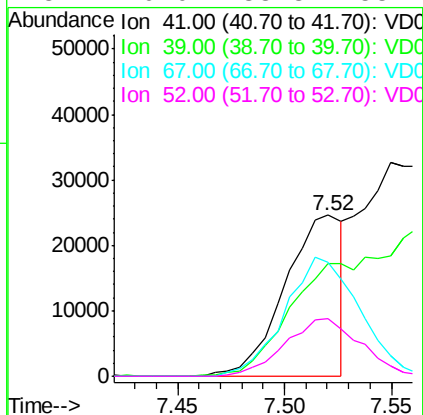
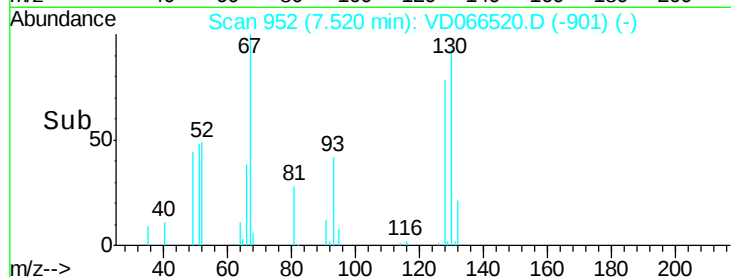
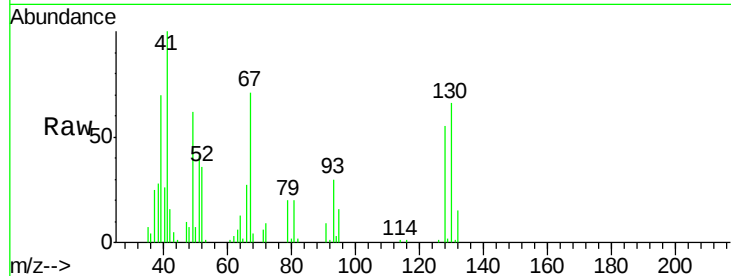
67 0.0 85.0 127.4#

52 0.0 38.8 58.2#

Manual Integrations
APPROVED

MMDadoda

9/3/2020 4:57:20 PM



#42

1,2-Dichloroethane

Concen: 145.858 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066520.D

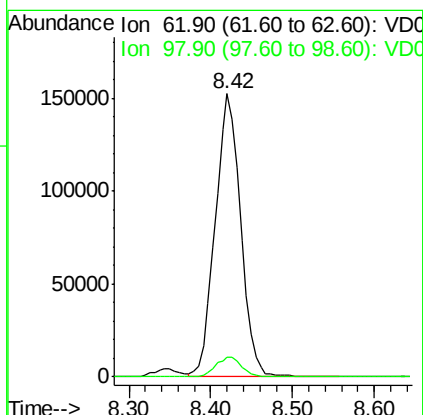
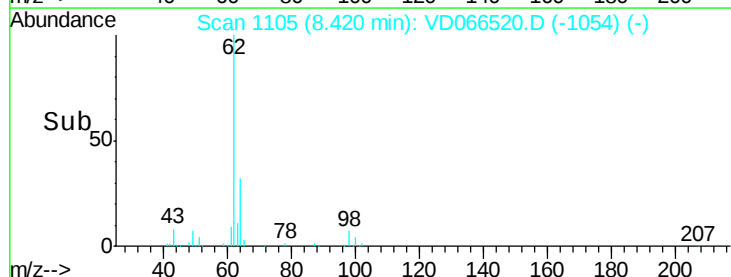
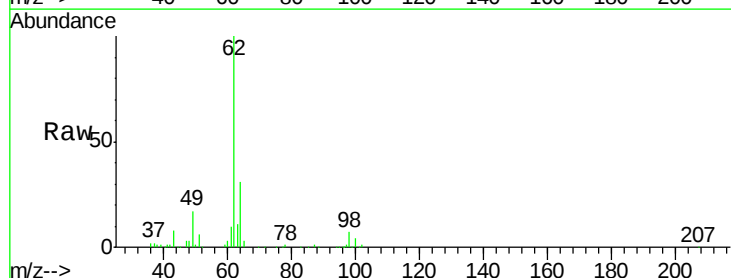
Acq: 02 Sep 2020 13:37

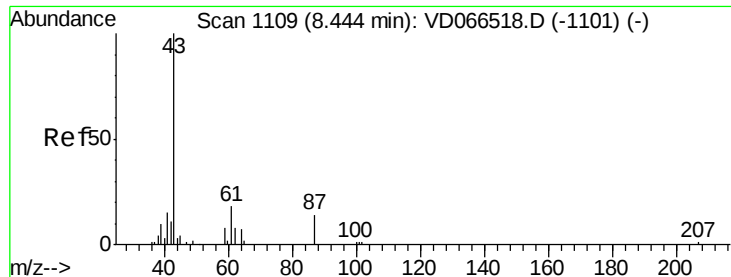
Tgt Ion: 62 Resp: 330725

Ion Ratio Lower Upper

62 100

98 7.0 0.0 15.2





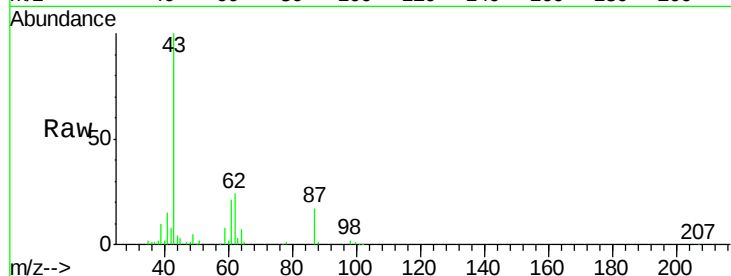
#43
Isopropyl Acetate
Concen: 150.921 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

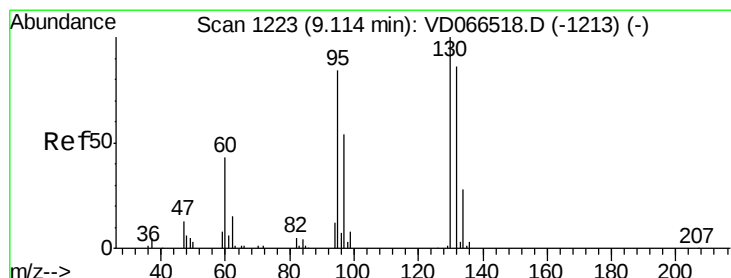
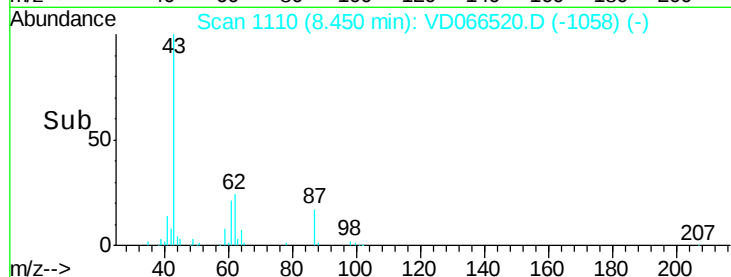
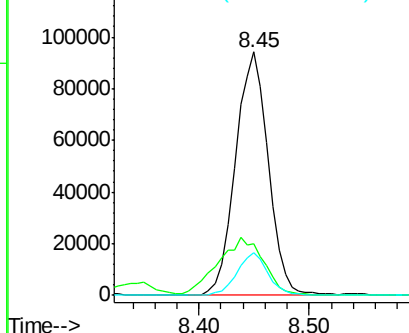
Tot Ion	43	Resp	197179
Ion	Ratio	Lower	Upper
43	100		
61	32.9	26.9	40.3
87	16.5	12.9	19.3

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM

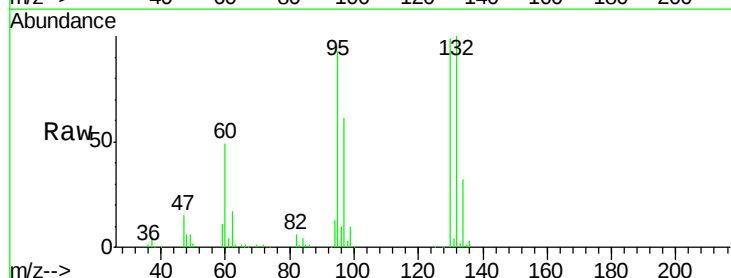


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

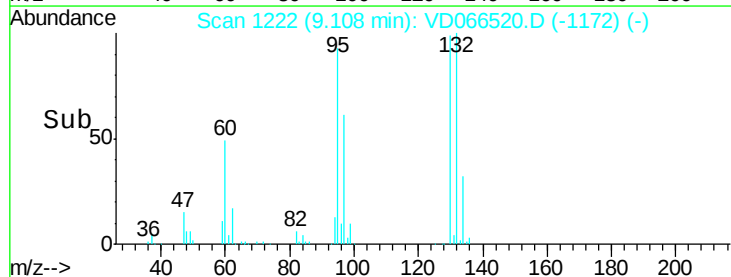
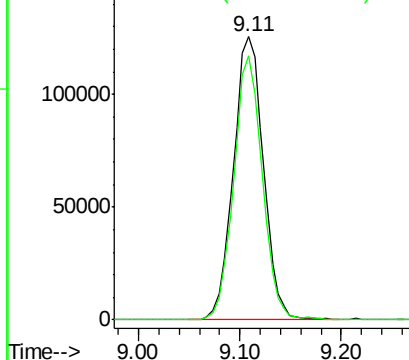


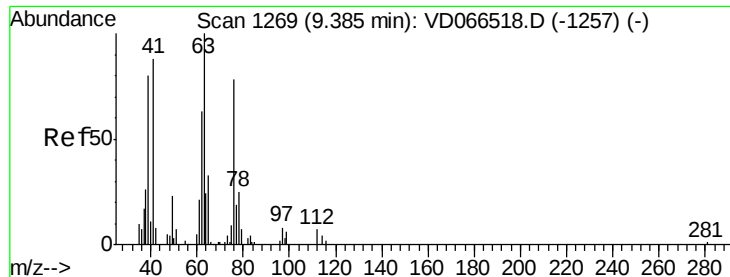
#44
Trichloroethene
Concen: 139.563 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	130	Resp	258187
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	167.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 144.939 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 154137

Ion Ratio Lower Upper

63 100

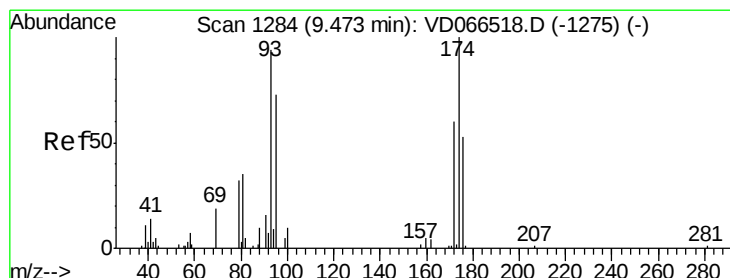
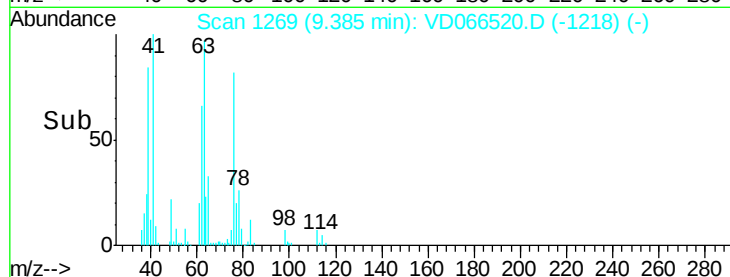
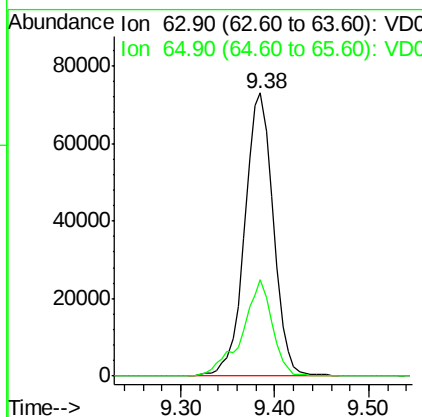
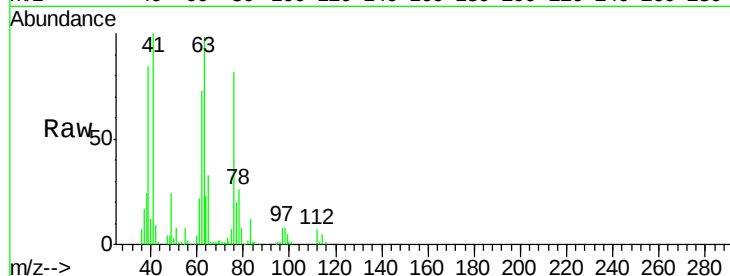
65 34.3 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

9/3/2020 4:57:20 PM



#46

Dibromomethane

Concen: 145.421 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

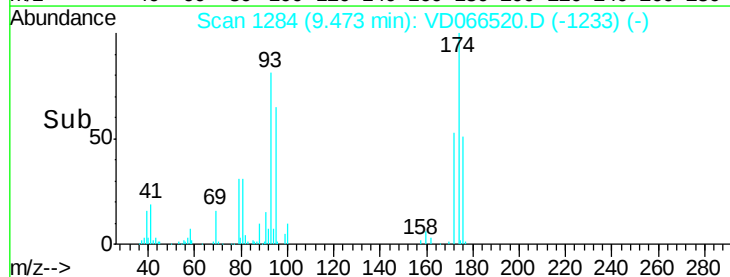
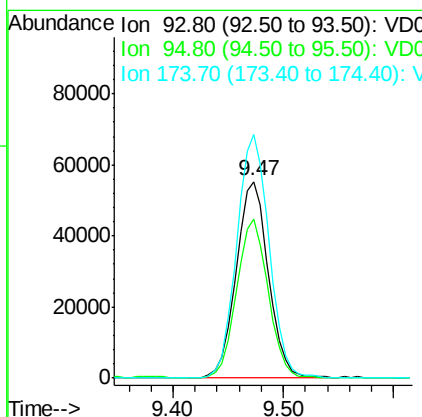
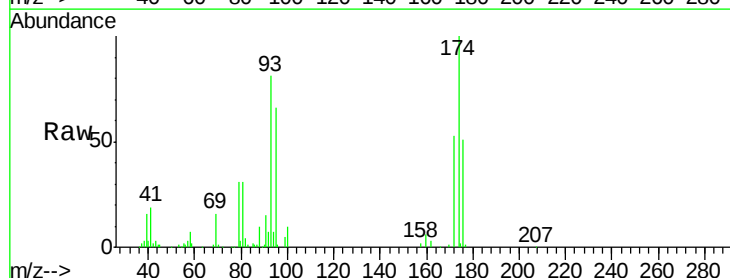
Tgt Ion: 93 Resp: 113220

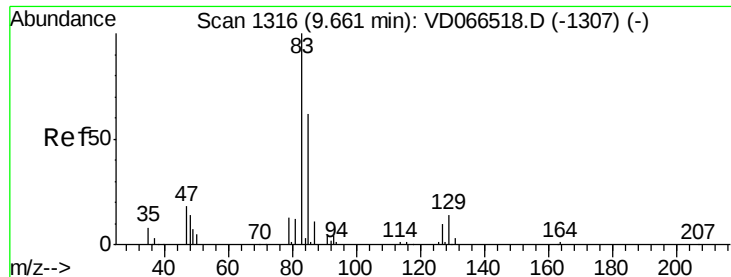
Ion Ratio Lower Upper

93 100

95 79.5 63.9 95.9

174 125.1 94.4 141.6





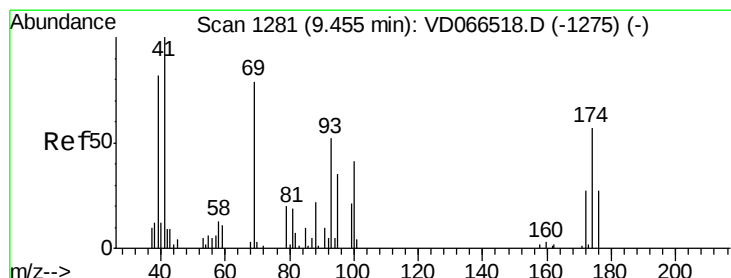
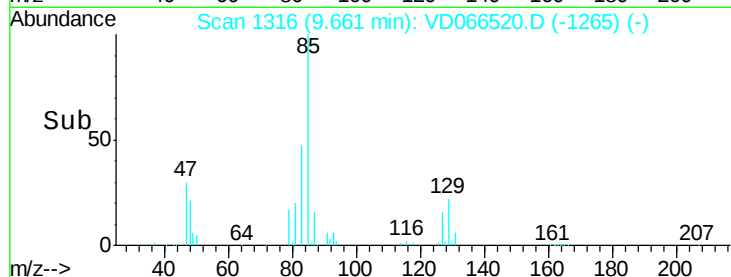
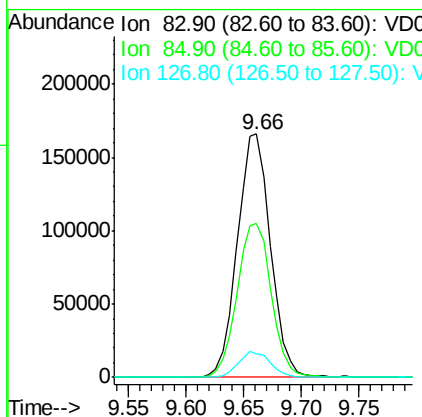
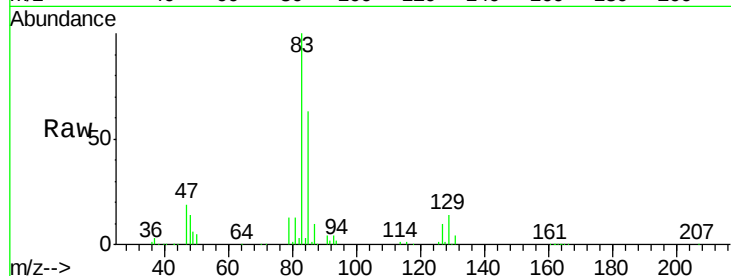
#47
Bromodichloromethane
Concen: 143.006 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.1	49.6	74.4	
127	9.9	7.8	11.6	

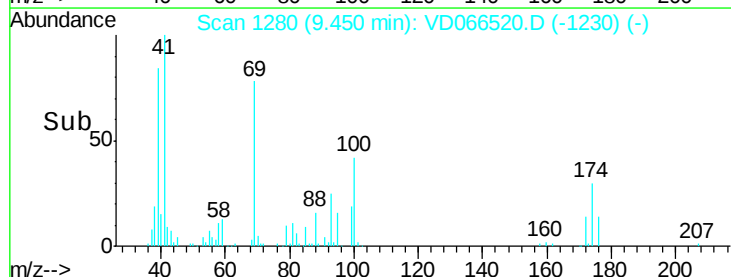
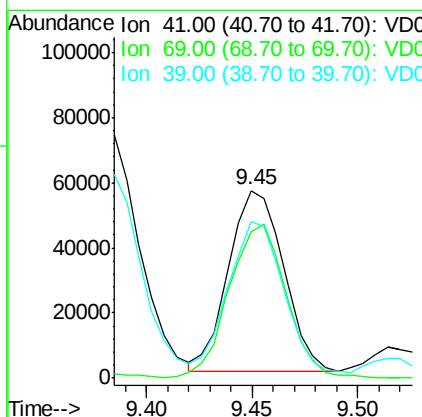
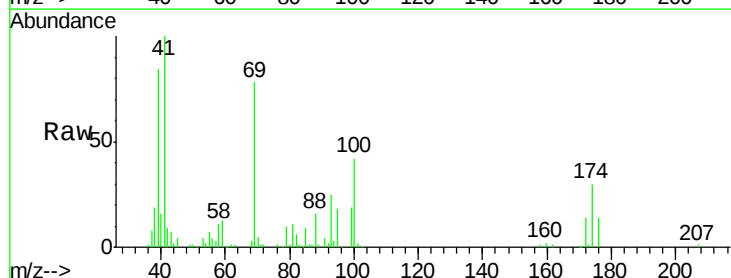
Manual Integrations
APPROVED

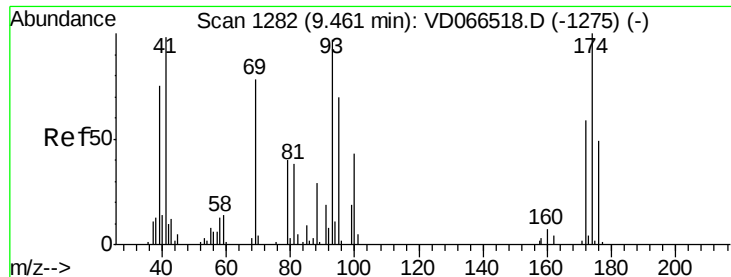
MMDadoda
9/3/2020 4:57:20 PM



#48
Methyl methacrylate
Concen: 152.065 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.5	71.1	106.7	
39	82.8	75.4	113.2	





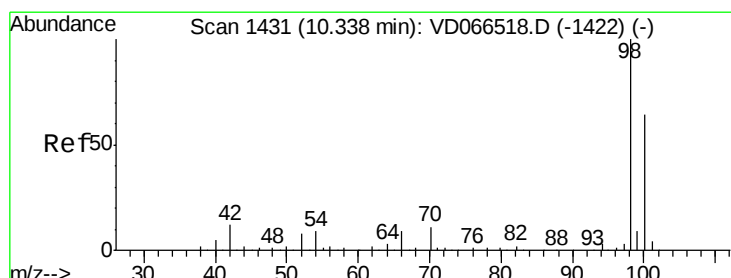
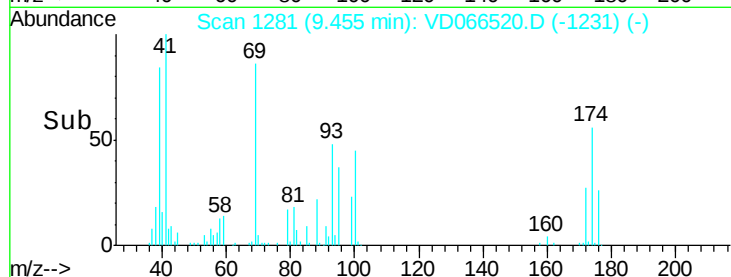
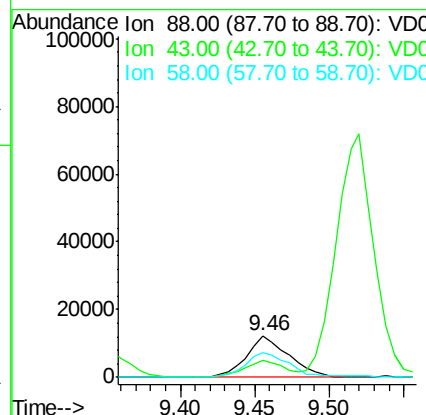
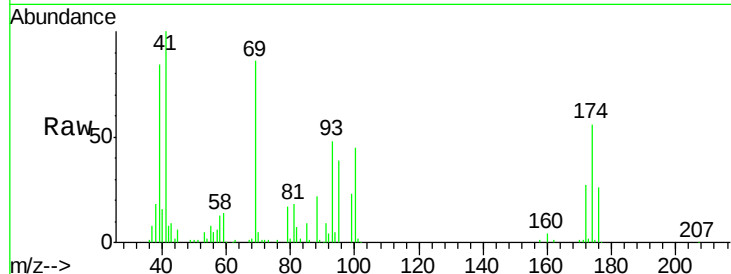
#49
1,4-Dioxane
Concen: 2624.282 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.6	33.8	50.6
58	63.7	46.2	69.4

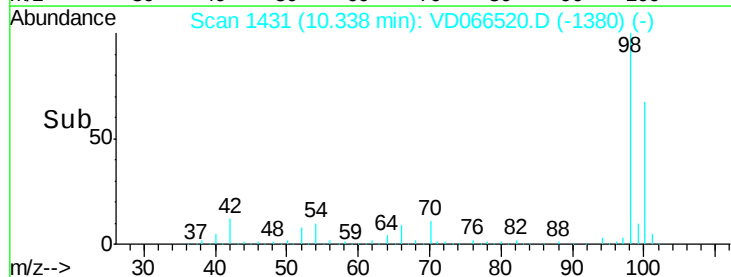
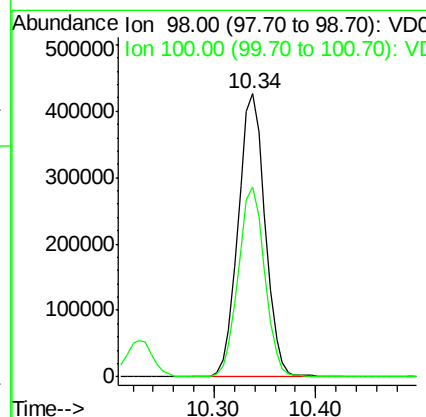
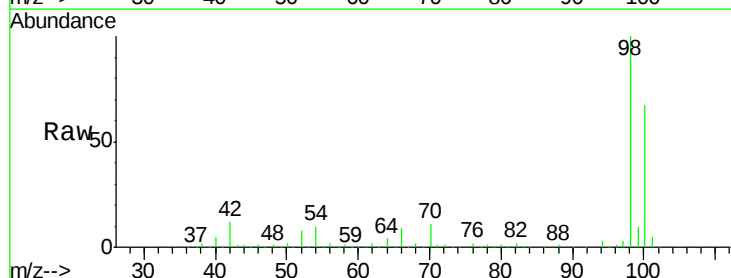
Manual Integrations
APPROVED

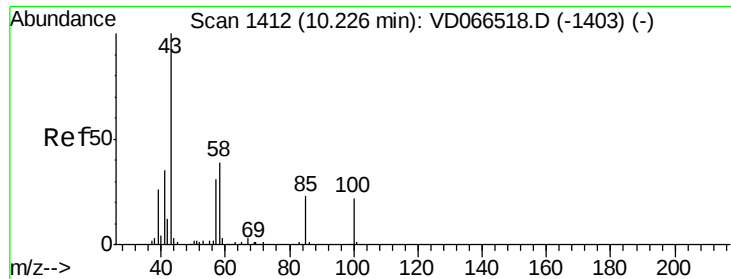
MMDadoda
9/3/2020 4:57:20 PM



#50
Toluene-d8
Concen: 146.986 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 736.292 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 442336

Ion Ratio Lower Upper

43 100

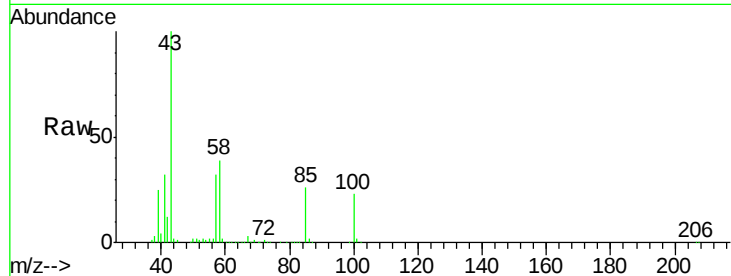
58 39.6 31.5 47.3

Manual Integrations

APPROVED

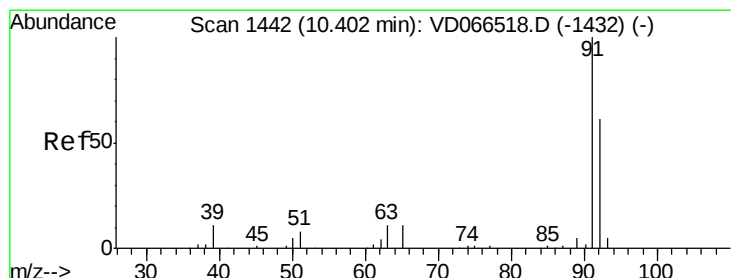
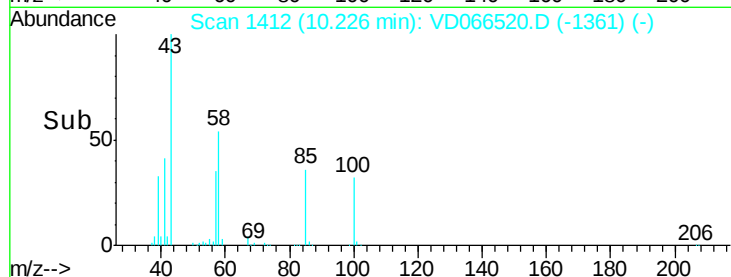
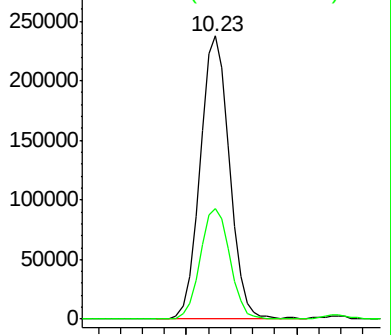
MMDadoda

9/3/2020 4:57:20 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 141.871 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066520.D

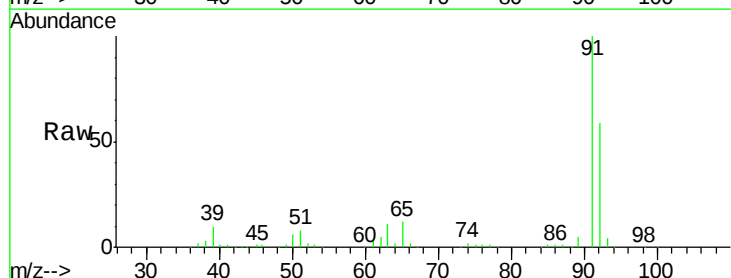
Acq: 02 Sep 2020 13:37

Tgt Ion: 92 Resp: 540874

Ion Ratio Lower Upper

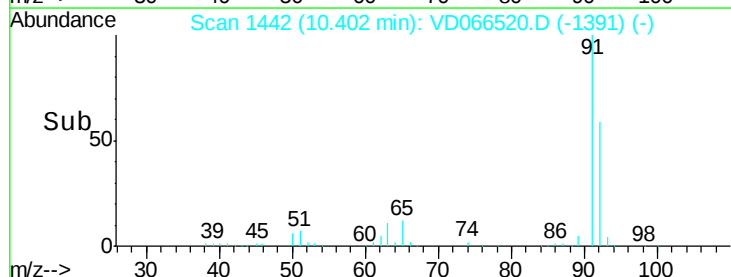
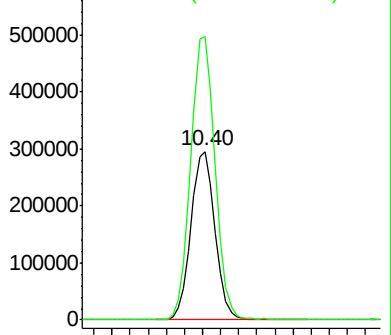
92 100

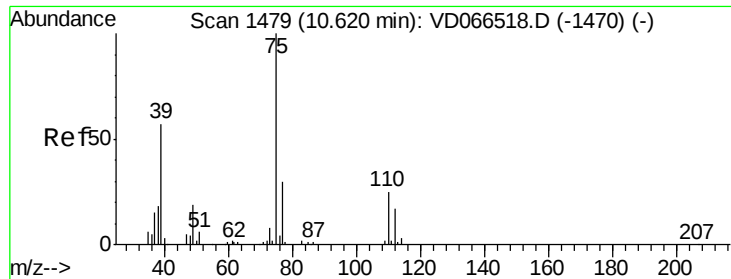
91 171.7 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





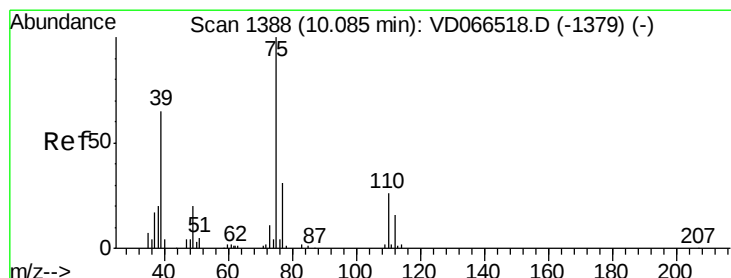
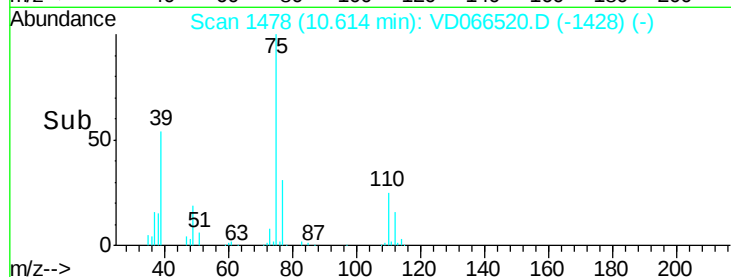
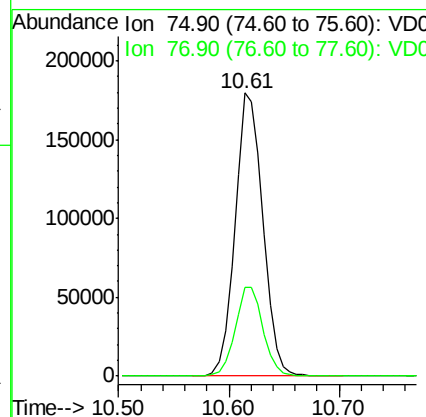
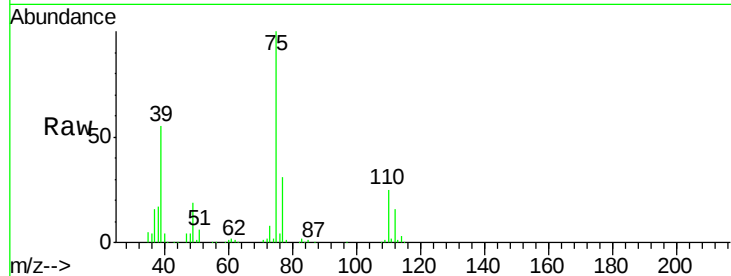
#53
 t-1,3-Dichloropropene
 Concen: 150.137 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 317411
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.7 35.5

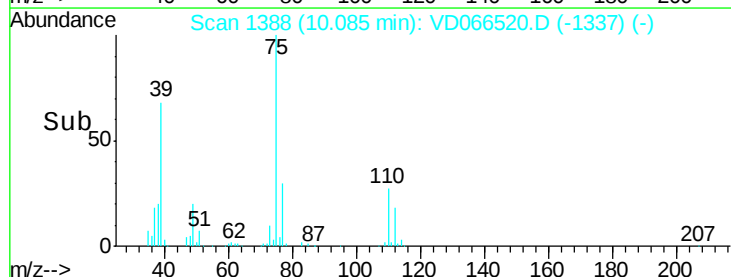
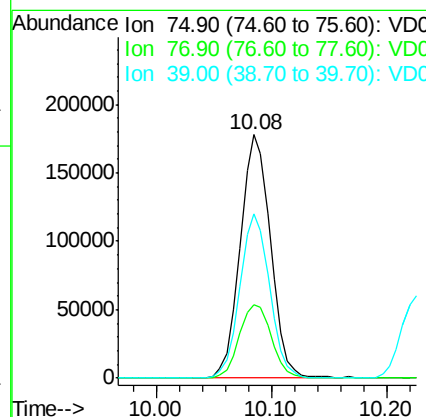
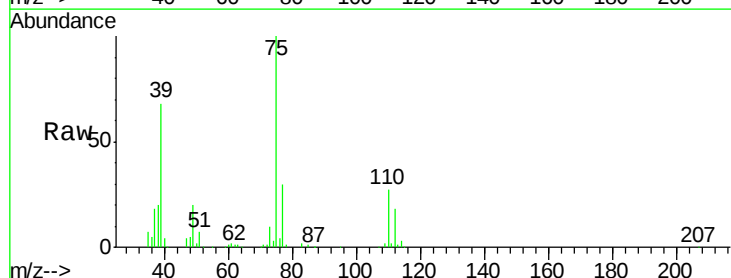
Manual Integrations
 APPROVED

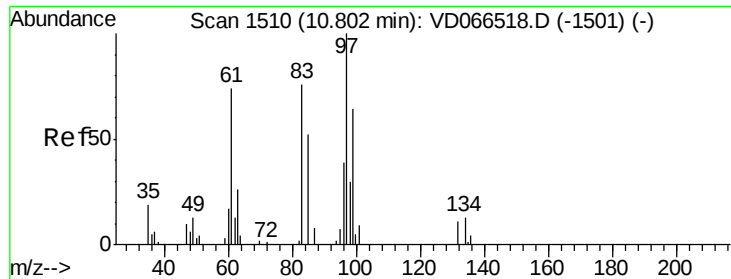
MMDadoda
 9/3/2020 4:57:20 PM



#54
 cis-1,3-Dichloropropene
 Concen: 145.191 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion: 75 Resp: 323375
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.5 36.7
 39 67.7 52.4 78.6





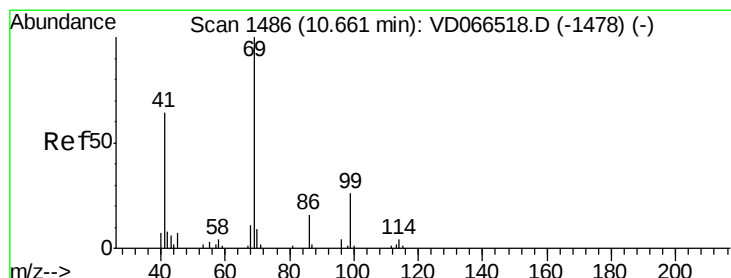
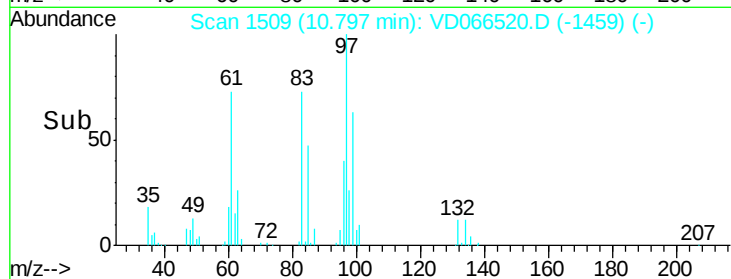
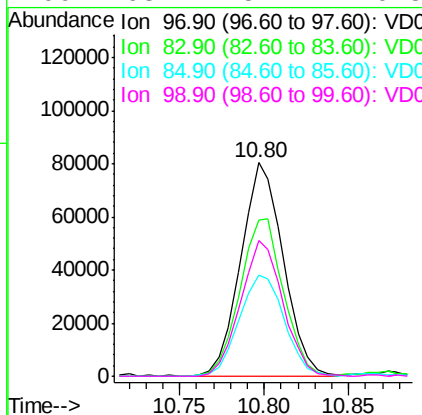
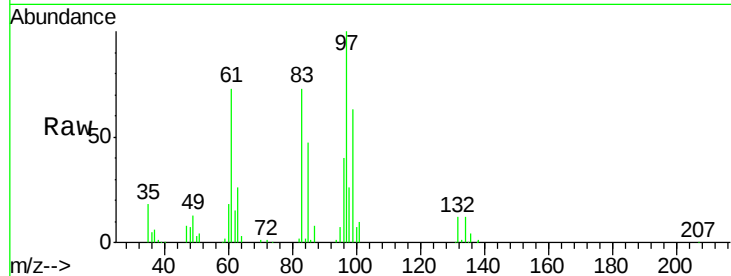
#55
 1,1,2-Trichloroethane
 Concen: 143.610 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	141283
Ion	Ratio	Lower	Upper
97	100		
83	72.9	61.2	91.8
85	47.4	42.0	63.0
99	63.4	51.2	76.8

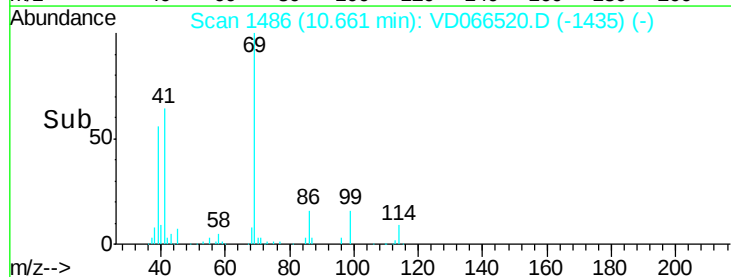
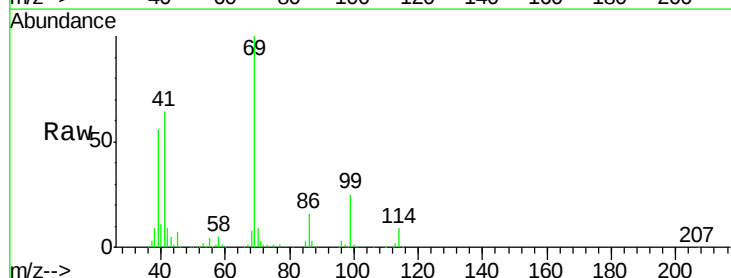
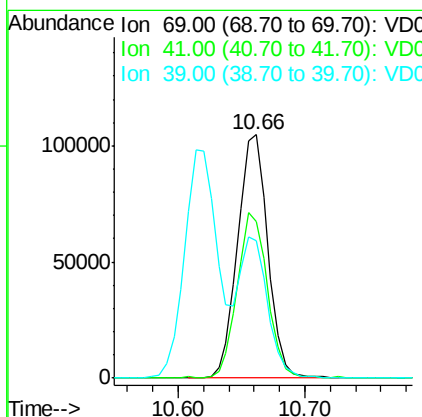
Manual Integrations
 APPROVED

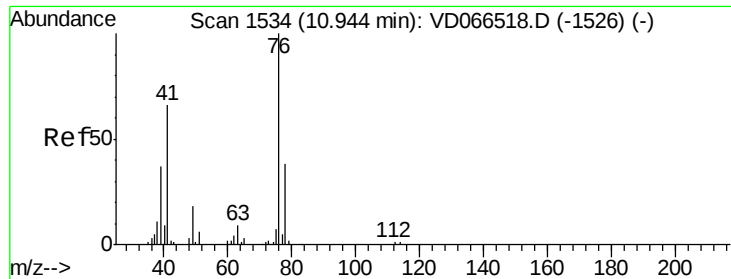
MMDadoda
 9/3/2020 4:57:20 PM



#56
 Ethyl methacrylate
 Concen: 149.888 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion:	69	Resp:	173541
Ion	Ratio	Lower	Upper
69	100		
41	66.9	52.5	78.7
39	52.1	42.1	63.1





#57

1,3-Dichloropropane

Concen: 149.027 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 242121

Ion Ratio Lower Upper

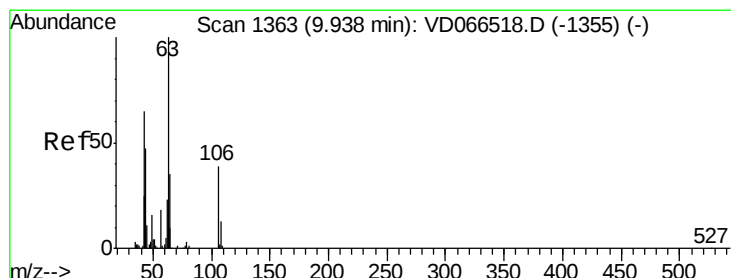
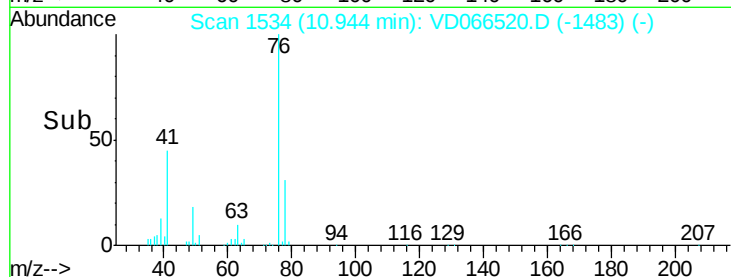
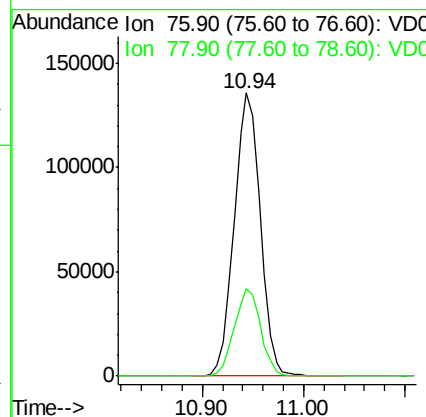
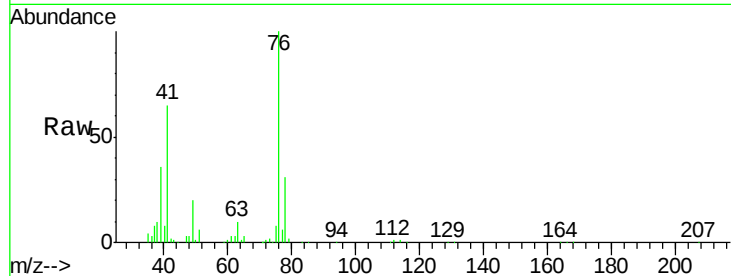
76 100

78 31.4 28.2 42.2

Manual Integrations
APPROVED

MMDadoda

9/3/2020 4:57:20 PM



#58

2-Chloroethyl Vinyl ether

Concen: 683.971 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066520.D

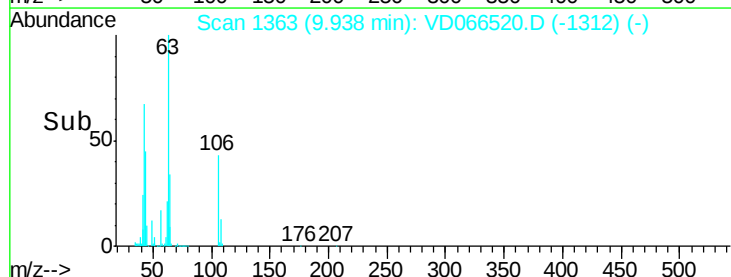
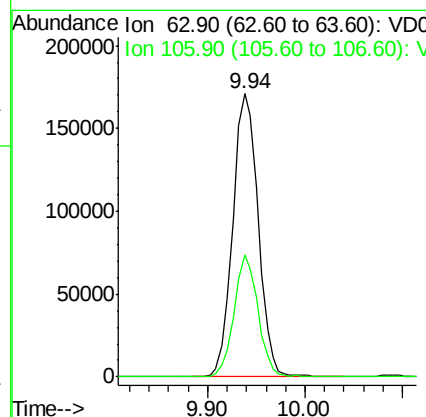
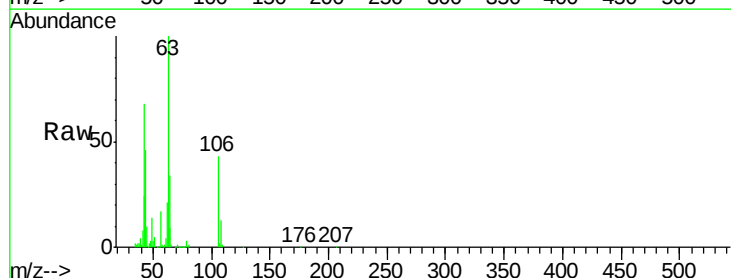
Acq: 02 Sep 2020 13:37

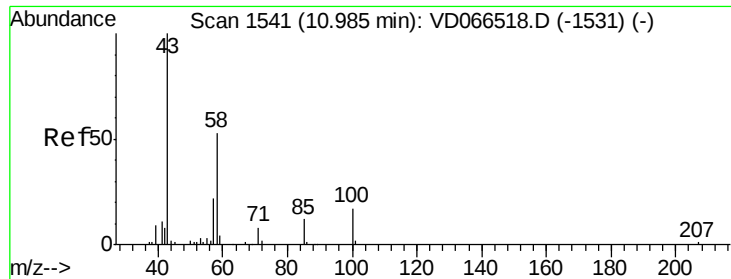
Tgt Ion: 63 Resp: 309125

Ion Ratio Lower Upper

63 100

106 40.4 32.1 48.1





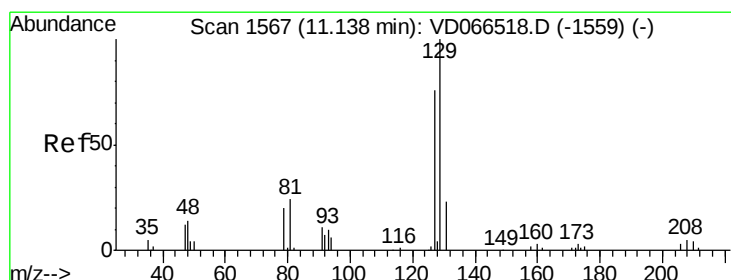
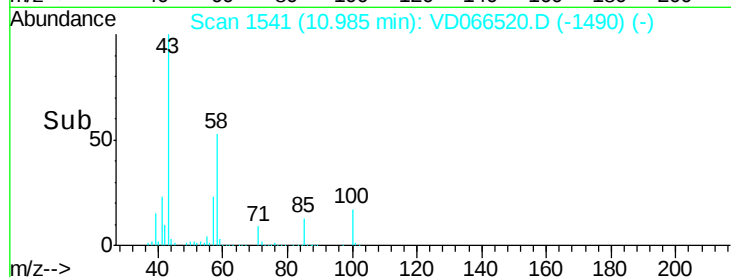
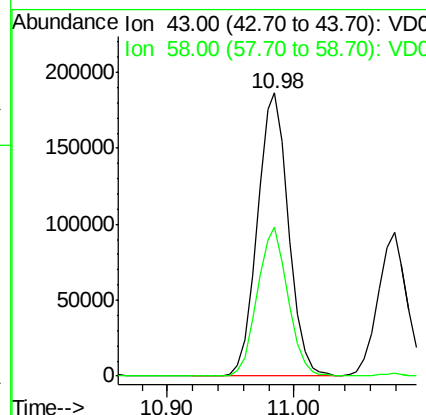
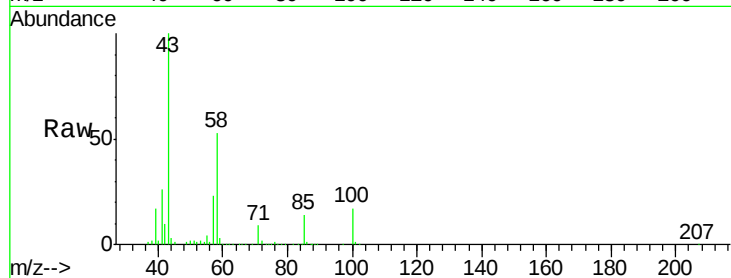
#59
2-Hexanone
Concen: 731.635 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tot Ion: 43 Resp: 317445
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.0

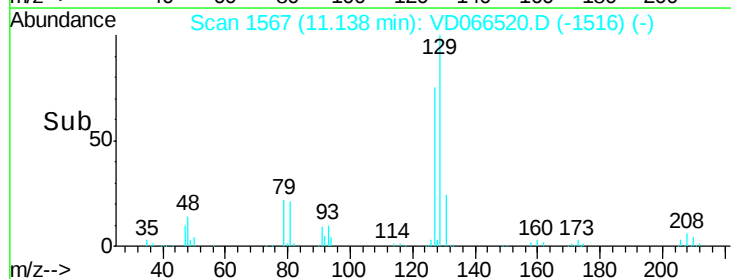
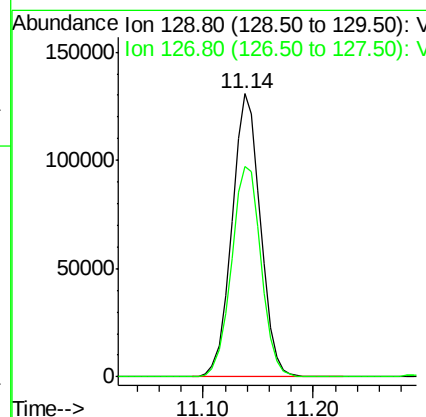
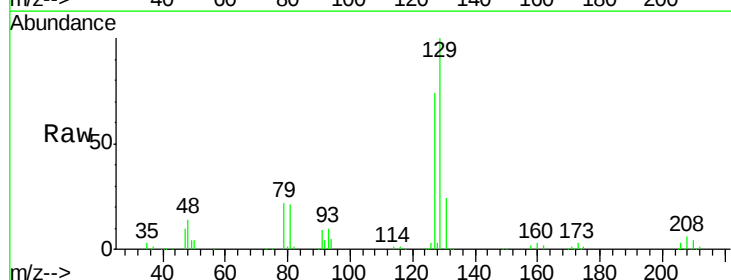
Manual Integrations
APPROVED

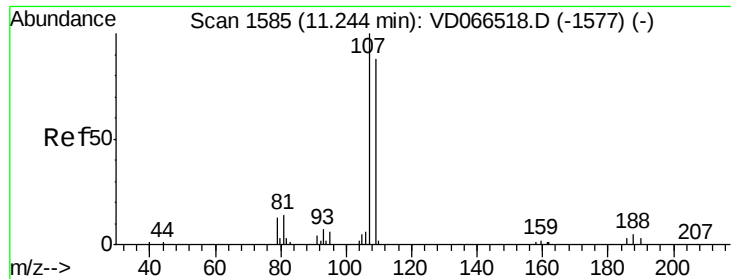
MMDadoda
9/3/2020 4:57:20 PM



#60
Dibromochloromethane
Concen: 145.414 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 129 Resp: 236562
Ion Ratio Lower Upper
129 100
127 77.3 38.2 114.6





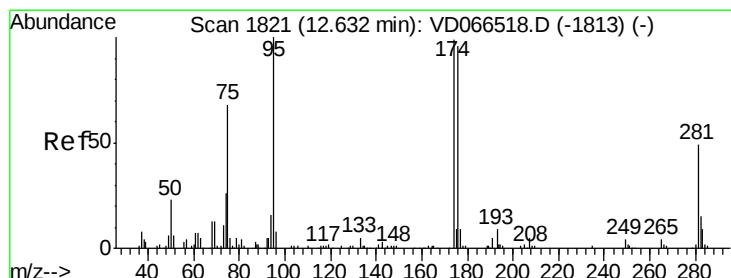
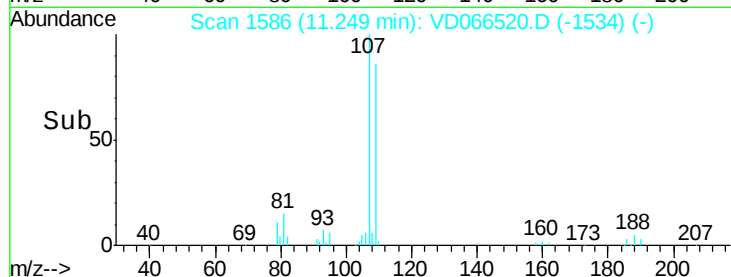
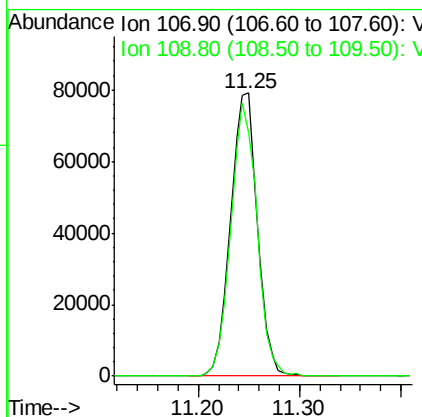
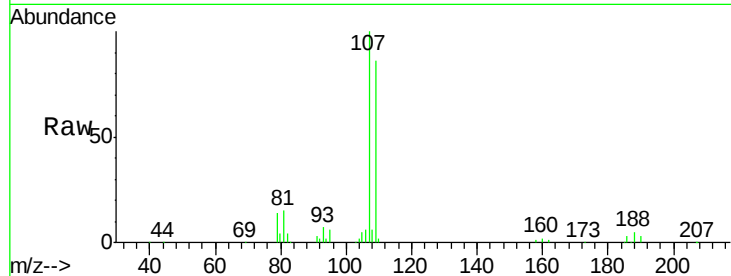
#61
 1,2-Dibromoethane
 Concen: 144.527 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

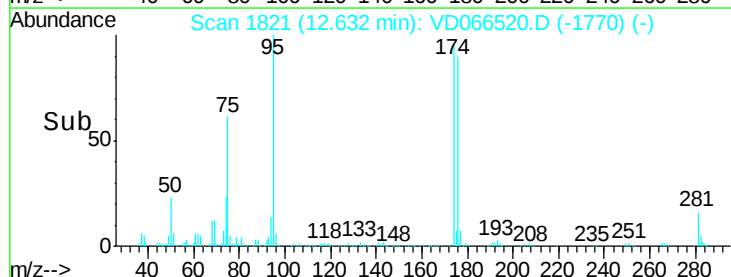
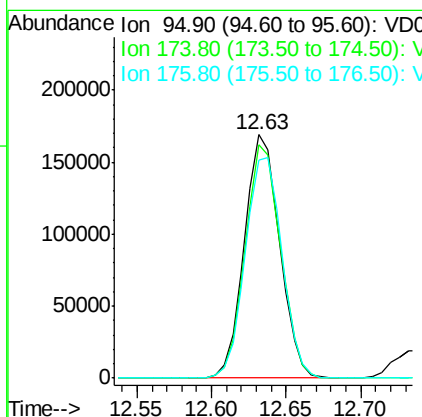
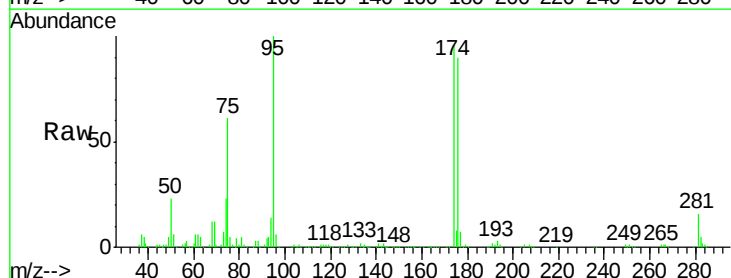
Manual Integrations
 APPROVED

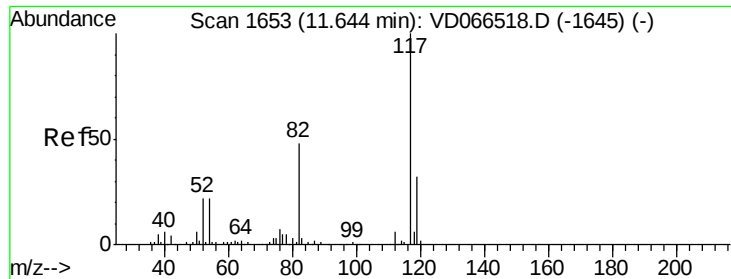
MMDadoda
 9/3/2020 4:57:20 PM



#62
 4-Bromofluorobenzene
 Concen: 144.840 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.5	0.0	203.2
176	94.3	0.0	198.6





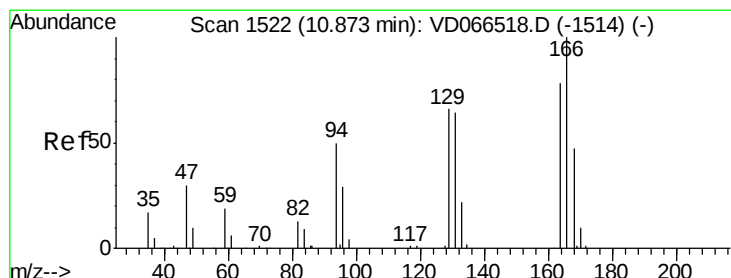
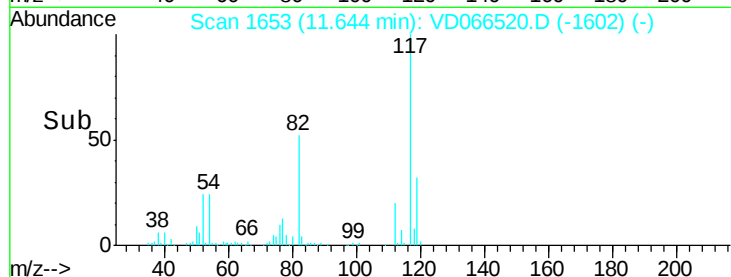
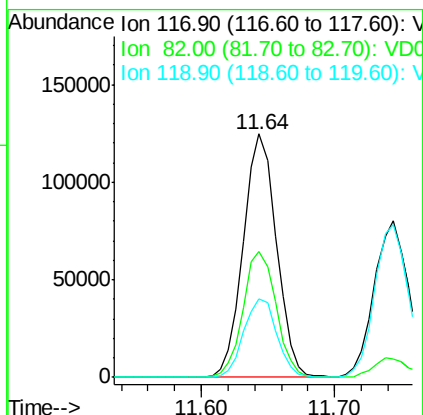
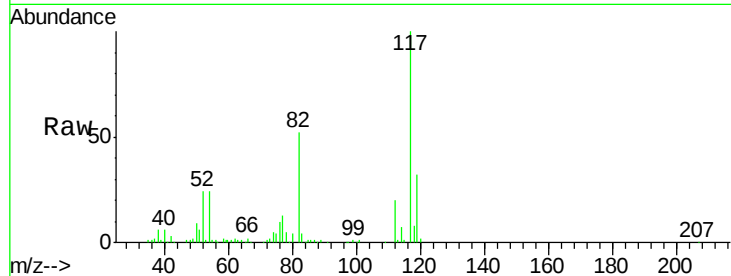
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	214195		
82	51.9		38.5	57.7
119	32.2		25.9	38.9

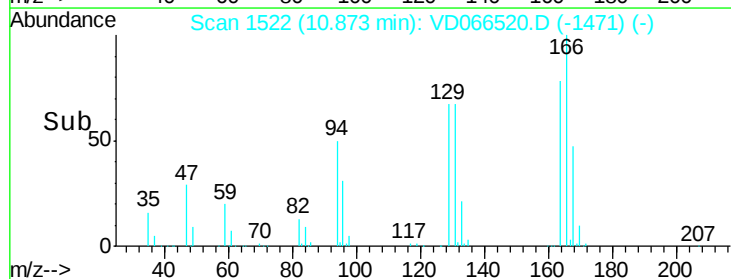
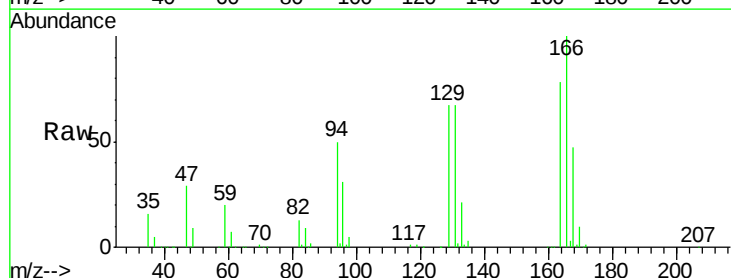
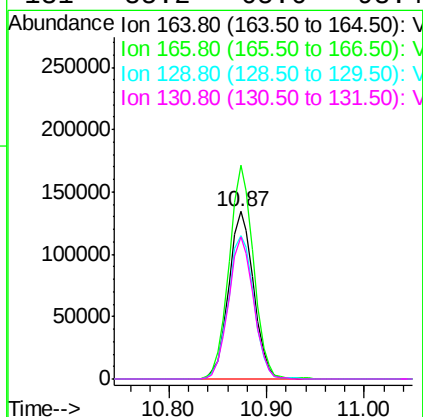
Manual Integrations
APPROVED

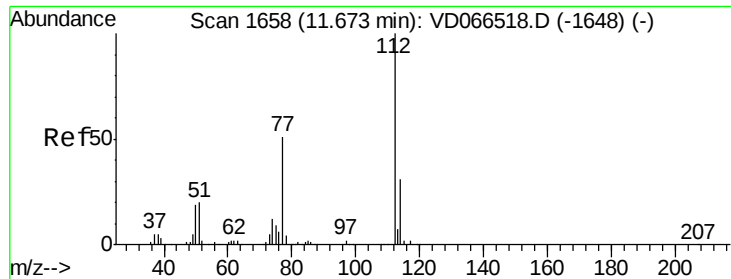
MMDadoda
9/3/2020 4:57:20 PM



#64
Tetrachloroethene
Concen: 142.641 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	238211		
166	127.8		103.0	154.6
129	85.7		68.3	102.5
131	85.2		65.6	98.4





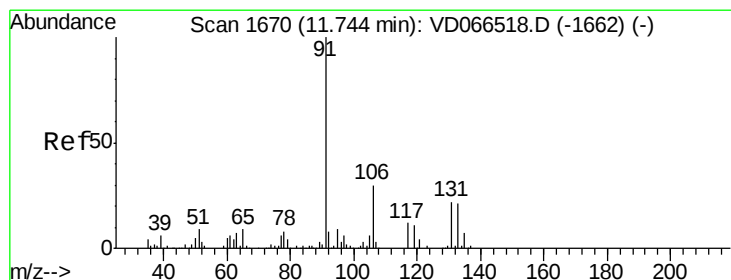
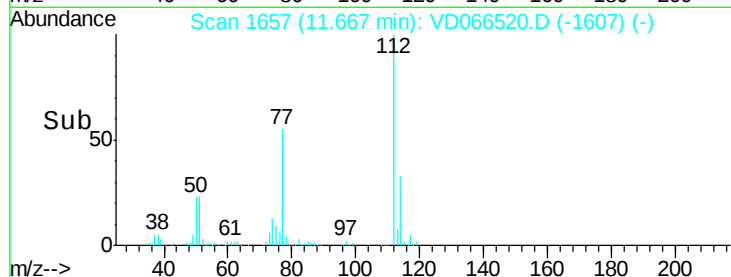
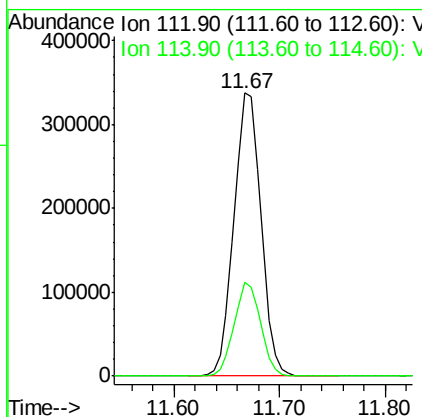
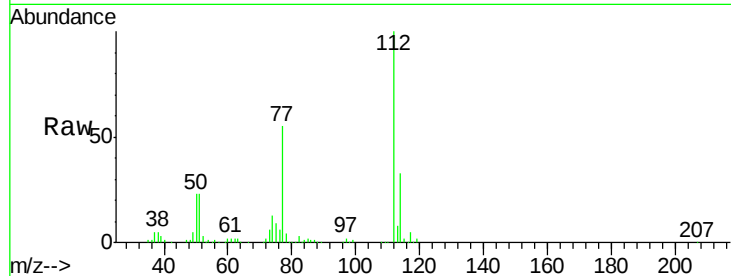
#65
Chlorobenzene
Concen: 141.562 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
112	100	596556		
114	33.4	24.8	37.2	

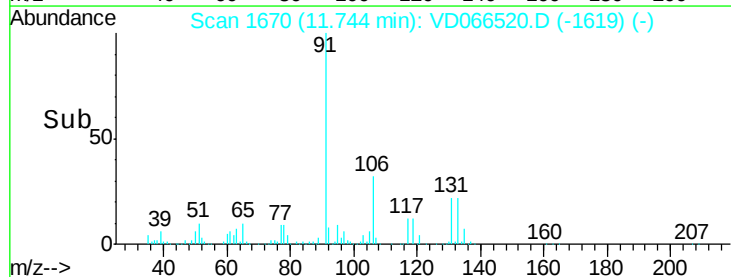
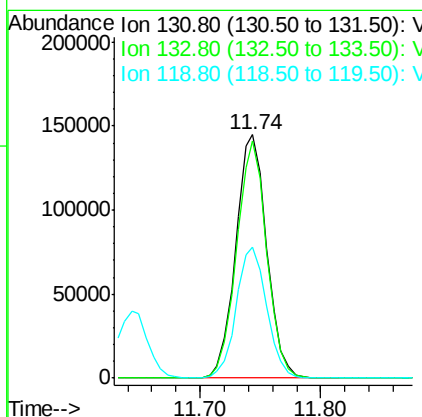
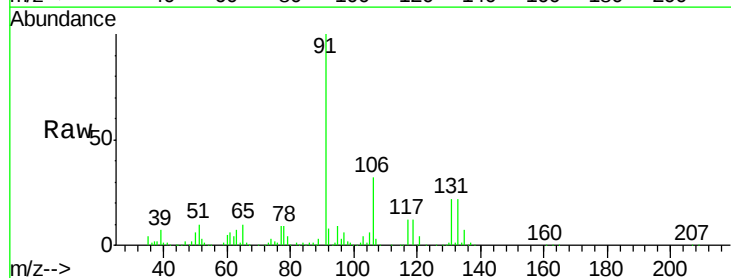
Manual Integrations
APPROVED

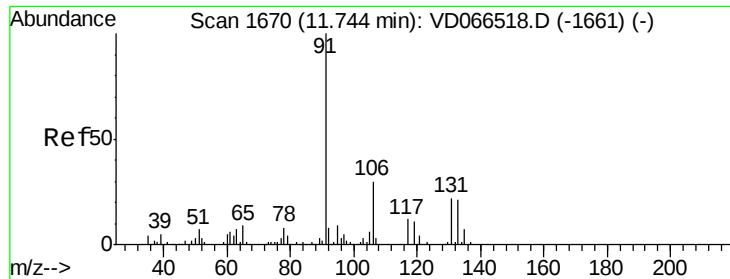
MMDadoda
9/3/2020 4:57:20 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 144.638 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	257889		
133	94.7	47.5	142.5	
119	53.3	27.2	81.6	





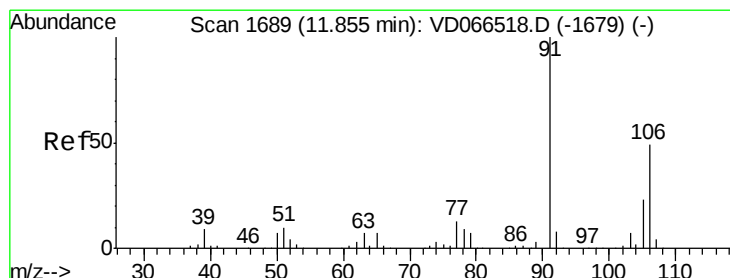
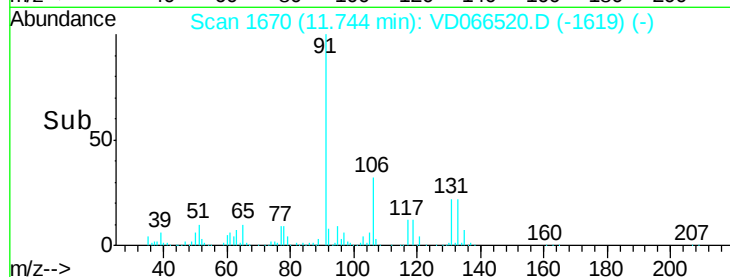
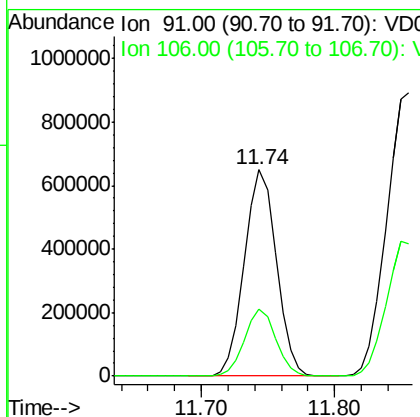
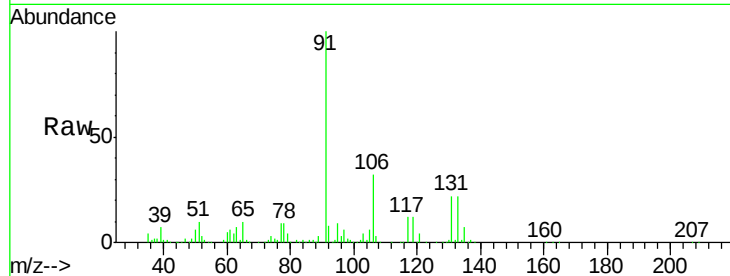
#67
Ethyl Benzene
Concen: 145.254 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1078260
Ion Ratio Lower Upper
91 100
106 32.5 24.0 36.0

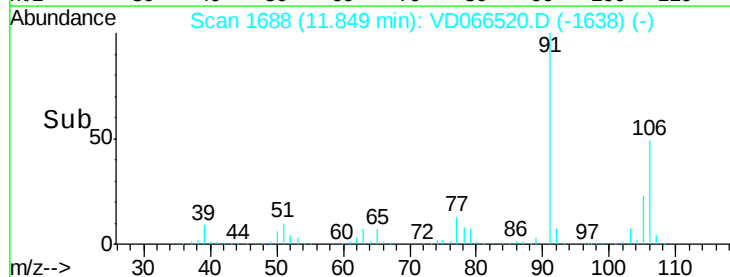
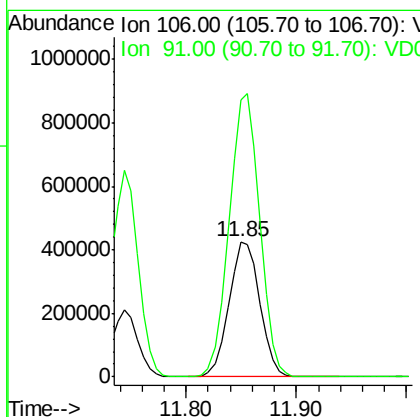
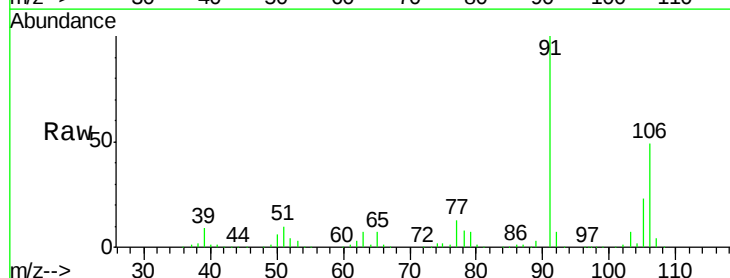
Manual Integrations
APPROVED

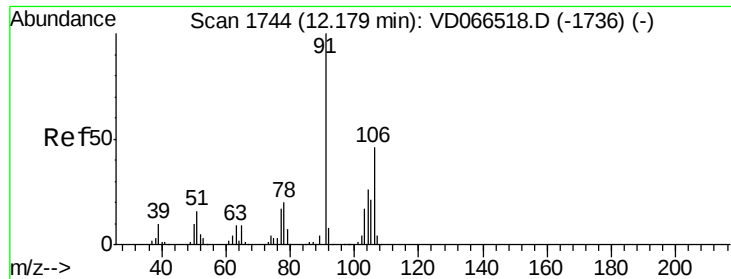
MMDadoda
9/3/2020 4:57:20 PM



#68
m/p-Xylenes
Concen: 288.925 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 106 Resp: 829832
Ion Ratio Lower Upper
106 100
91 208.3 163.3 244.9





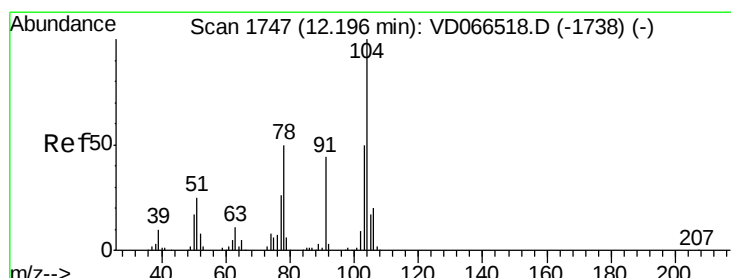
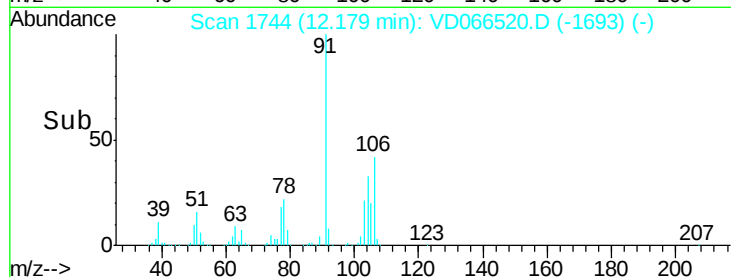
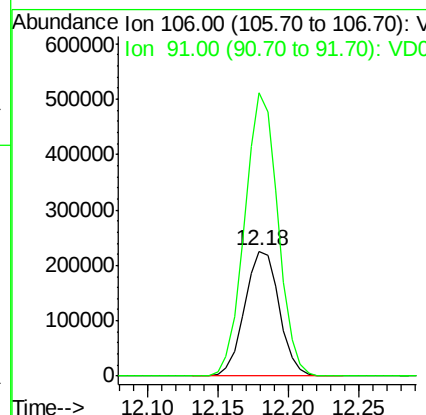
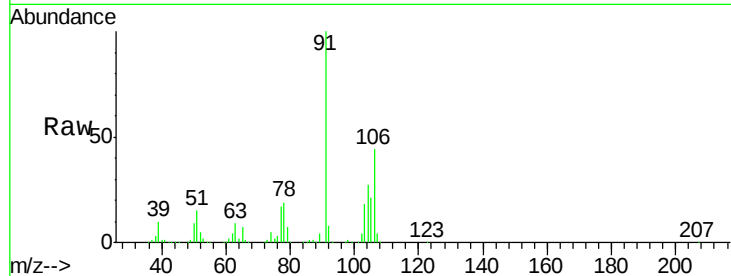
#69
o-Xylene
Concen: 141.769 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	385698		
91	91	218.9	108.7	326.3	

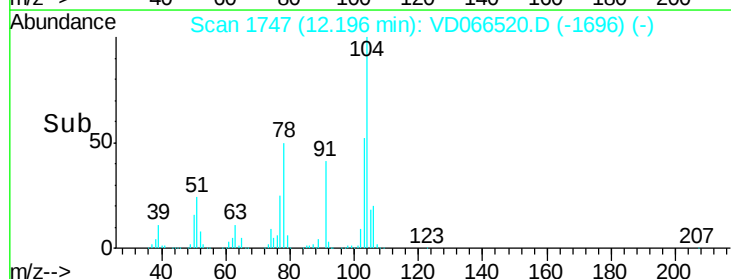
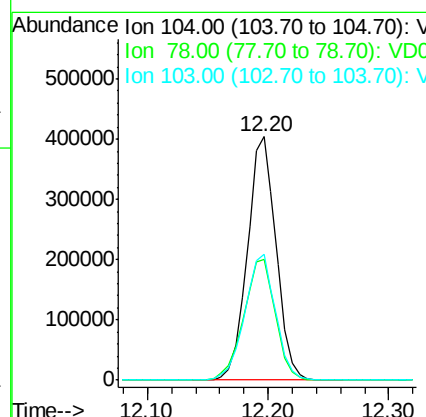
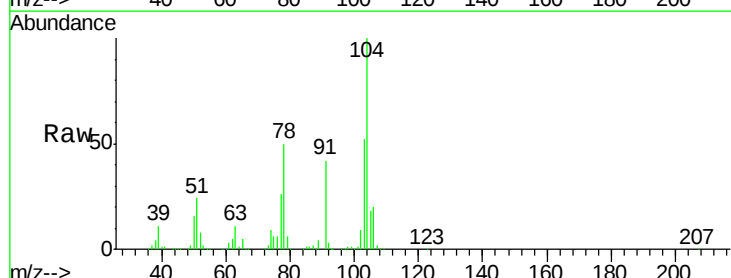
Manual Integrations
APPROVED

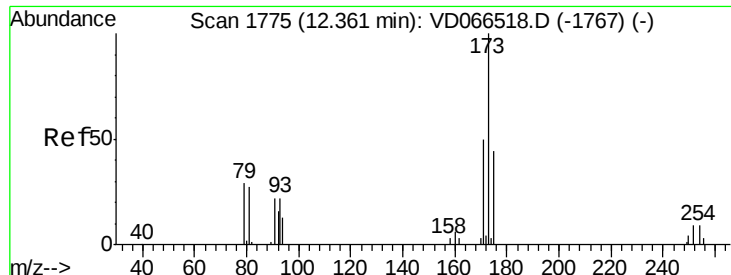
MMDadoda
9/3/2020 4:57:20 PM



#70
Styrene
Concen: 143.414 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	667993		
78	78	54.7	44.3	66.5	
103	103	55.4	44.1	66.1	





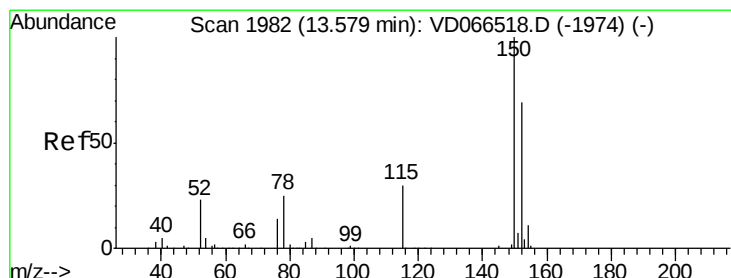
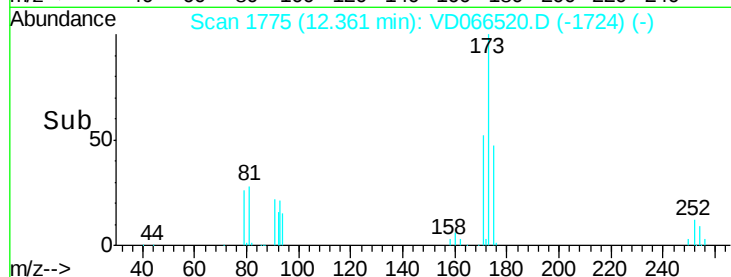
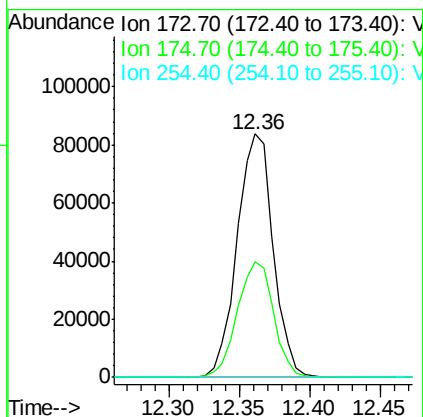
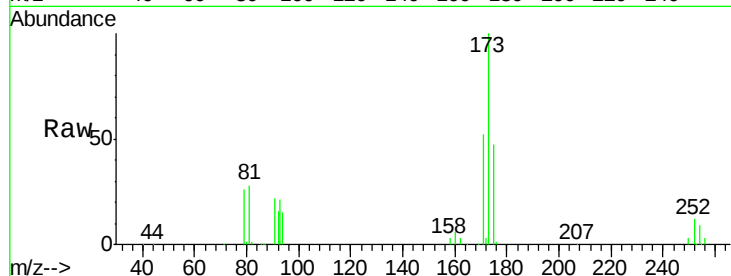
#71
Bromoform
Concen: 152.522 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	22.3	66.8
254	0.2	0.0	0.0

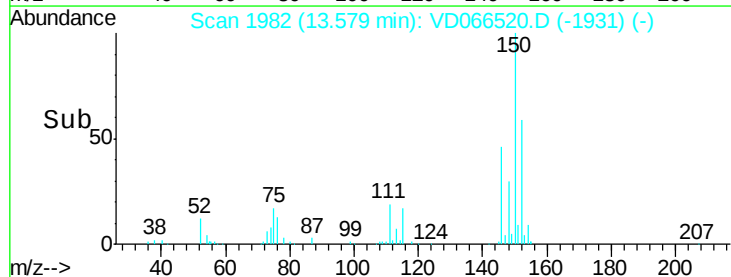
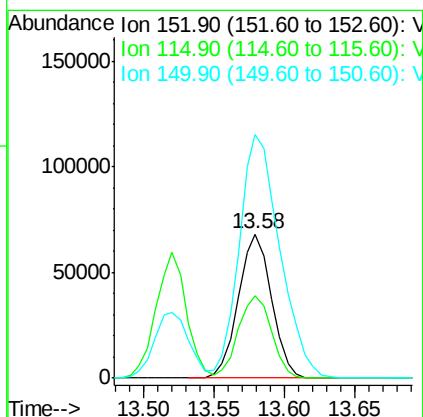
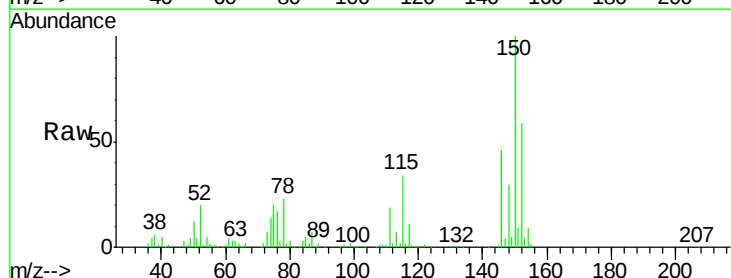
Manual Integrations
APPROVED

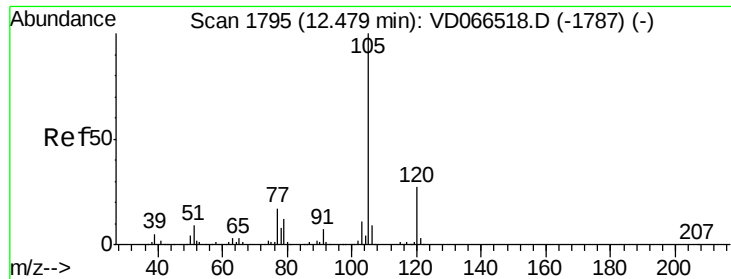
MMDadoda
9/3/2020 4:57:20 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.9	86.8
150	206.8	0.0	339.6





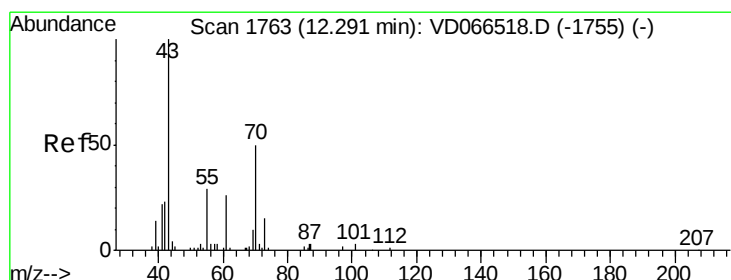
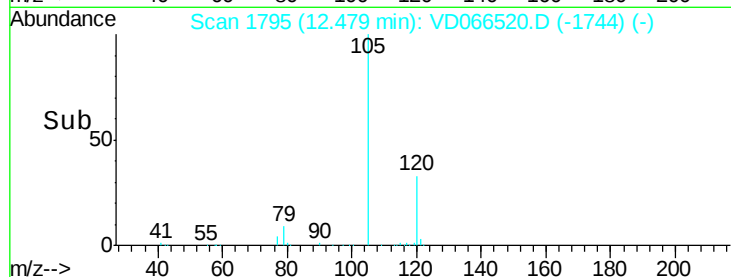
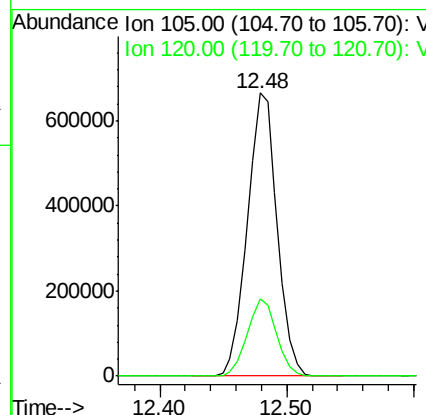
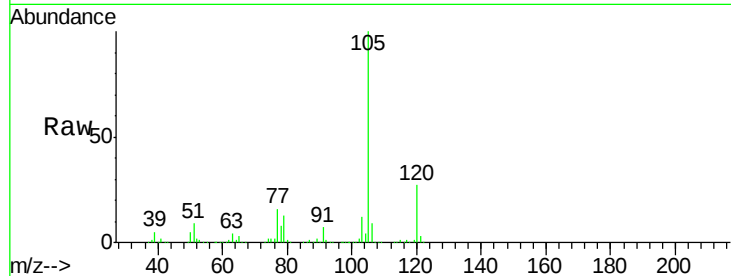
#73
Isopropylbenzene
Concen: 144.419 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 105 Resp: 1081795
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.5

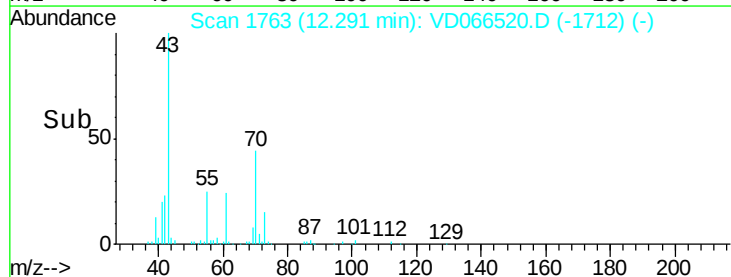
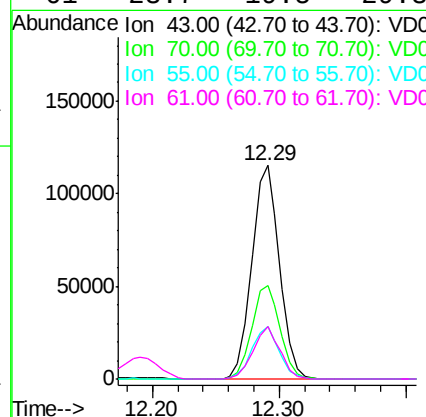
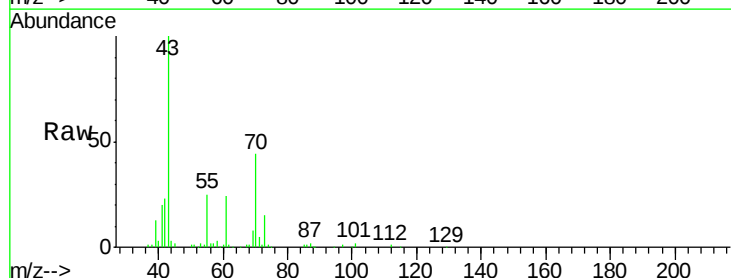
Manual Integrations
APPROVED

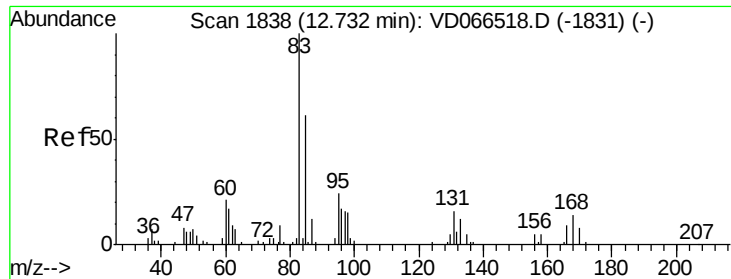
MMDadoda
9/3/2020 4:57:20 PM



#74
N-ethyl acetate
Concen: 154.771 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 43 Resp: 174811
Ion Ratio Lower Upper
43 100
70 44.5 36.2 54.2
55 24.3 20.6 30.8
61 23.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 142.264 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

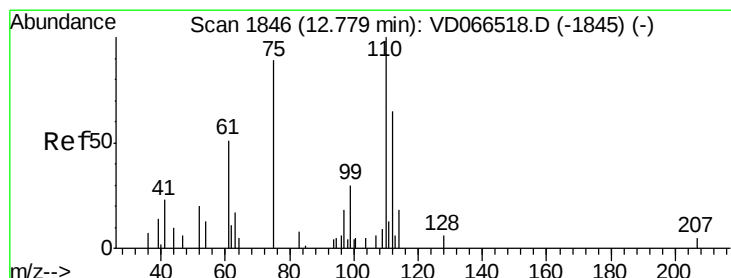
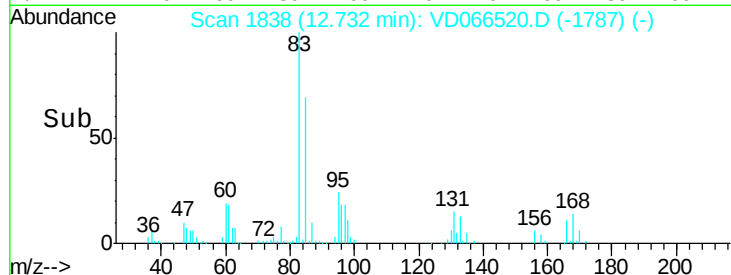
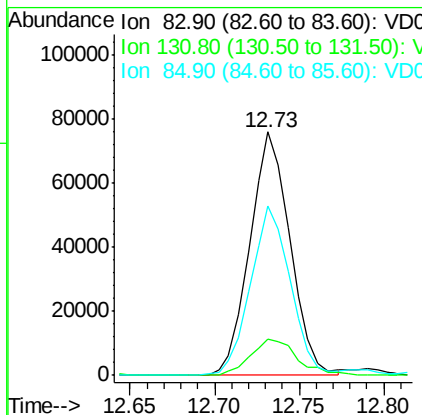
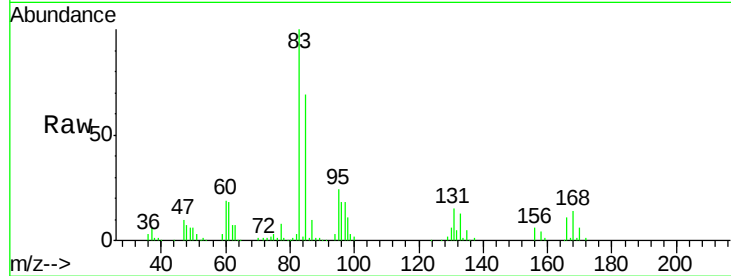
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	125926
Ion Ratio	Lower	Upper	
83	100		
131	17.3	8.3	24.9
85	68.9	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#76

1,2,3-Trichloropropane

Concen: 172.331 ug/l m

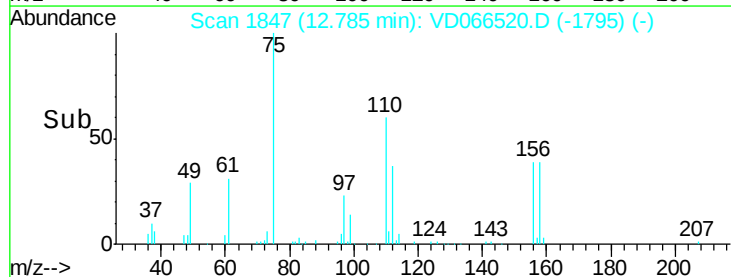
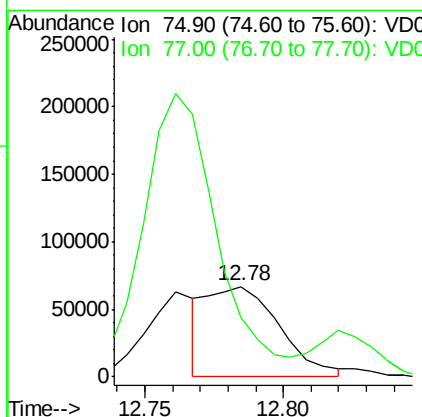
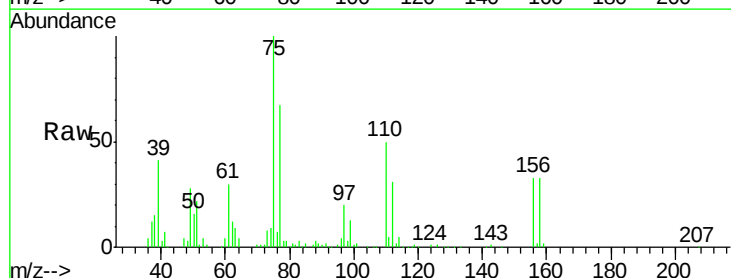
RT: 12.78 min Scan# 1847

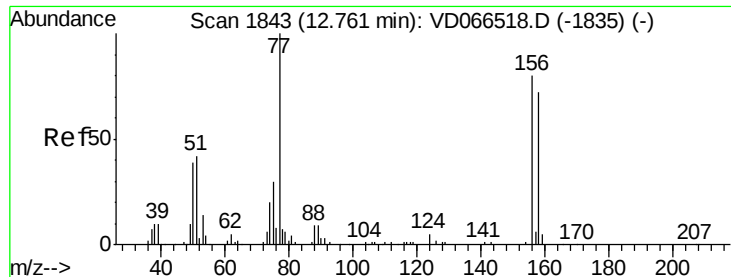
Delta R.T. 0.01 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion:	75	Resp:	122018
Ion Ratio	Lower	Upper	
75	100		
77	0.0	196.9	590.7#





#77

Bromobenzene

Concen: 144.196 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

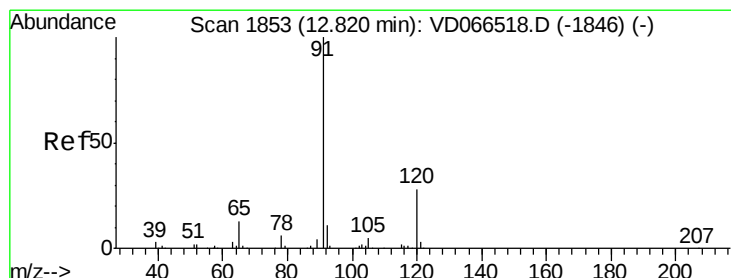
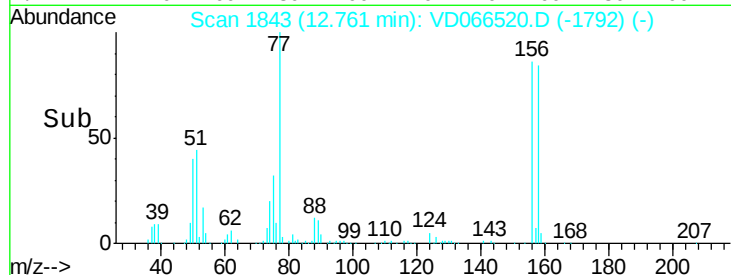
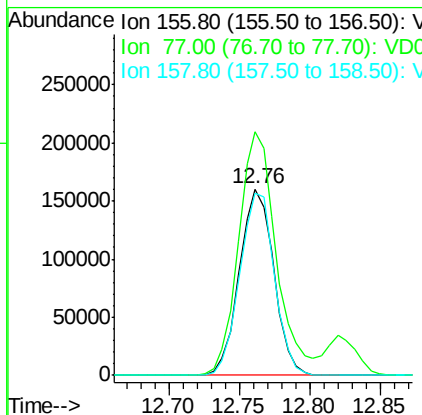
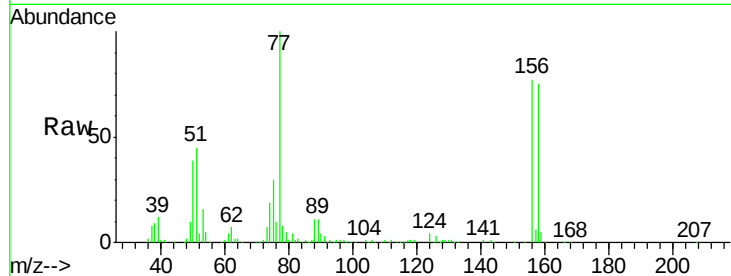
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	142.2	71.0	213.2	
158	98.6	49.5	148.7	

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#78

n-propylbenzene

Concen: 144.382 ug/l

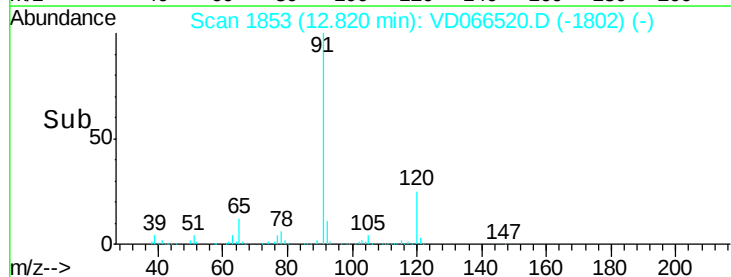
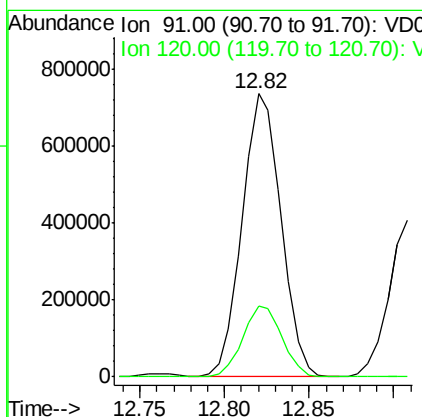
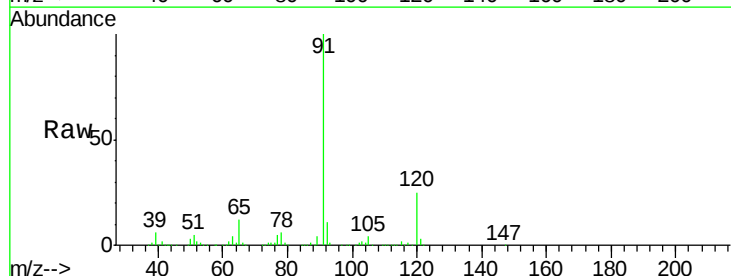
RT: 12.82 min Scan# 1853

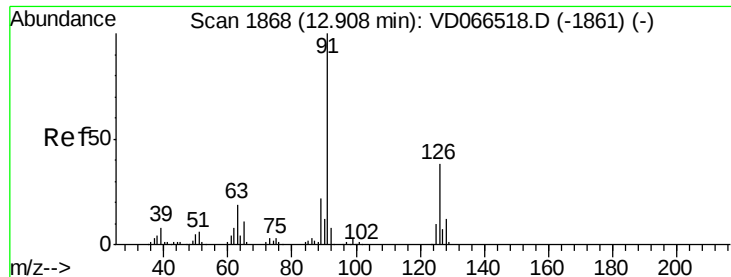
Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	25.2	13.0	39.0	





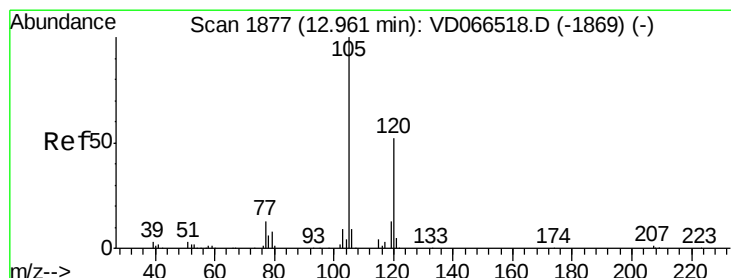
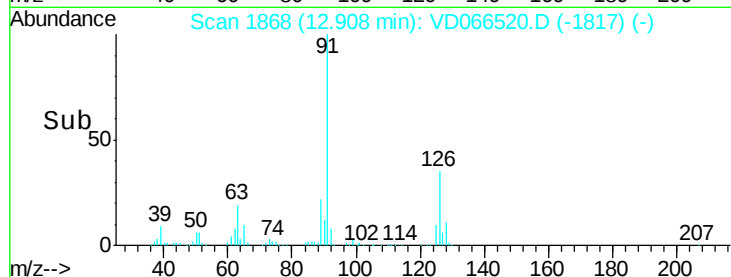
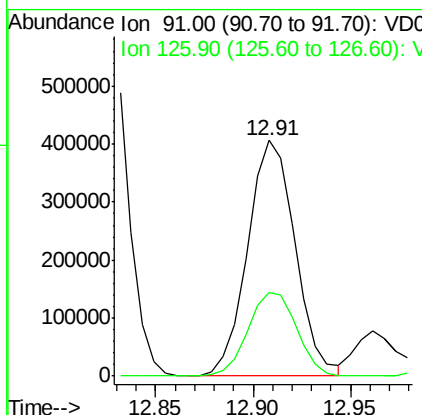
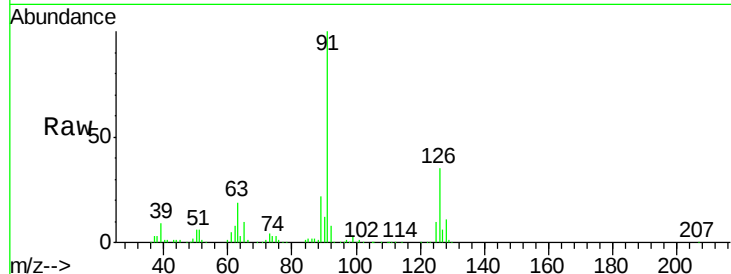
#79
2-Chlorotoluene
Concen: 145.405 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 686728
Ion Ratio Lower Upper
91 100
126 36.4 18.7 56.1

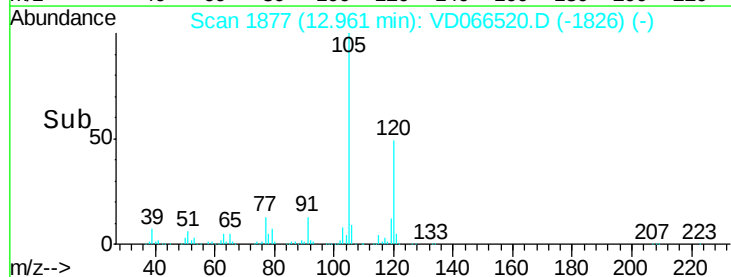
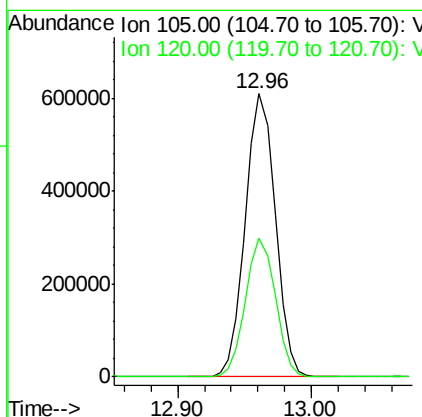
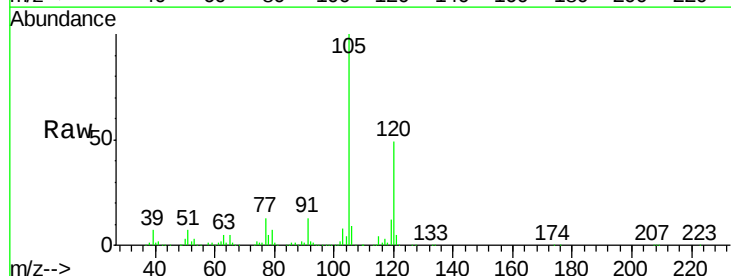
Manual Integrations
APPROVED

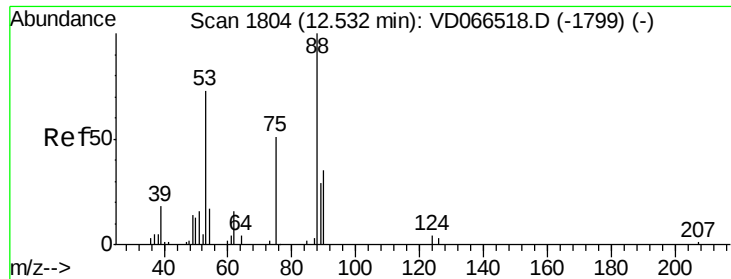
MMDadoda
9/3/2020 4:57:20 PM



#80
1,3,5-Trimethylbenzene
Concen: 145.732 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion: 105 Resp: 949080
Ion Ratio Lower Upper
105 100
120 48.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 151.145 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

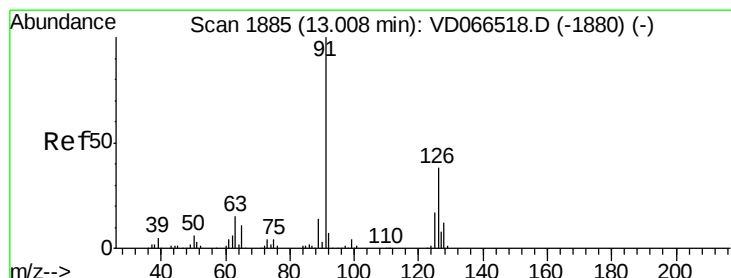
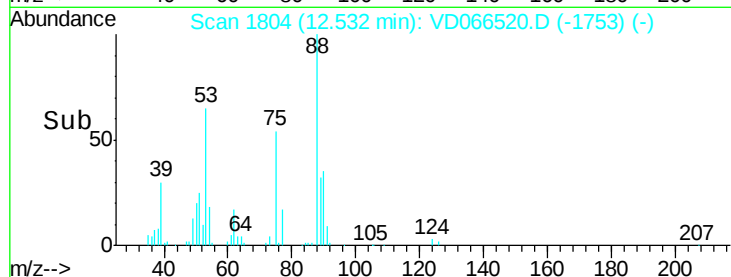
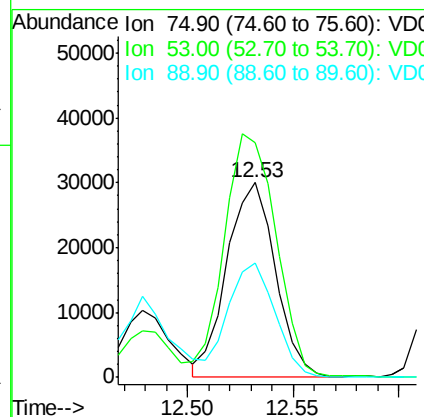
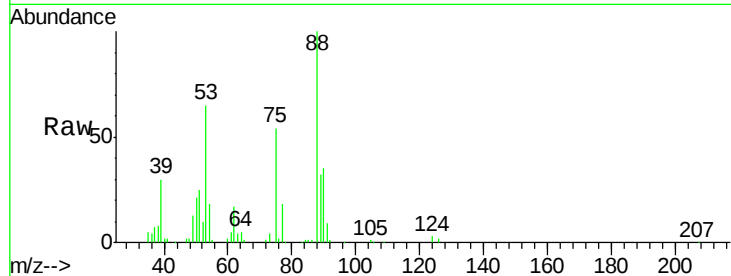
ClientSampleId :

VSTDIC150

Tot Ion	75	Resp	47863
Ion	Ratio	Lower	Upper
75	100		
53	135.5	101.8	152.8
89	56.2	46.0	69.0

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#82

4-Chlorotoluene

Concen: 143.851 ug/l

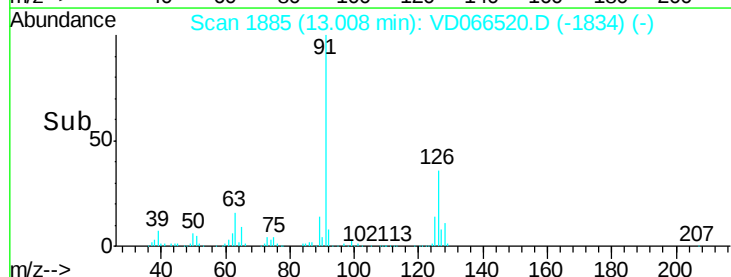
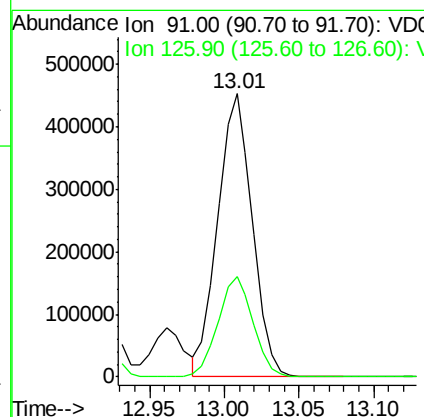
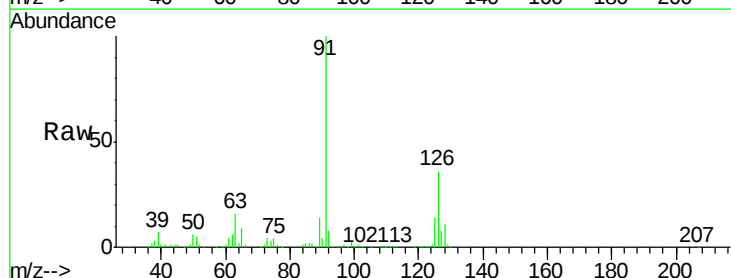
RT: 13.01 min Scan# 1885

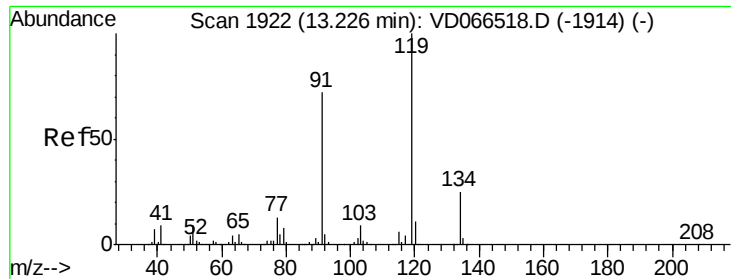
Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion	91	Resp	729736
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.2	54.6





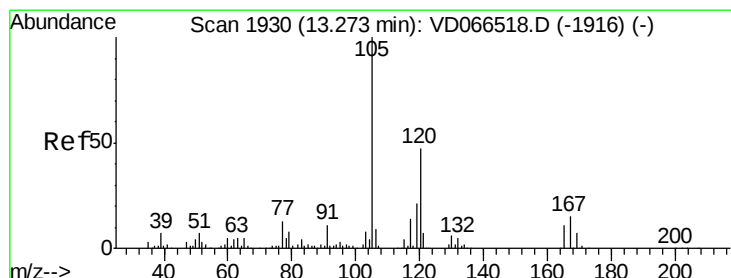
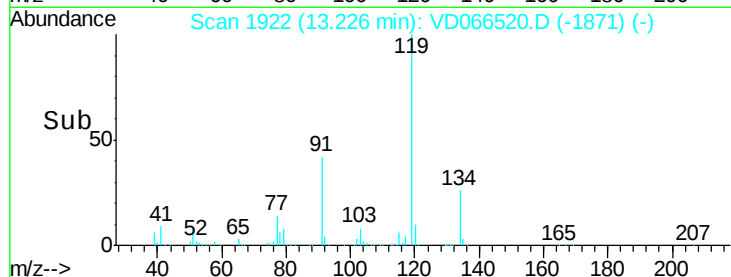
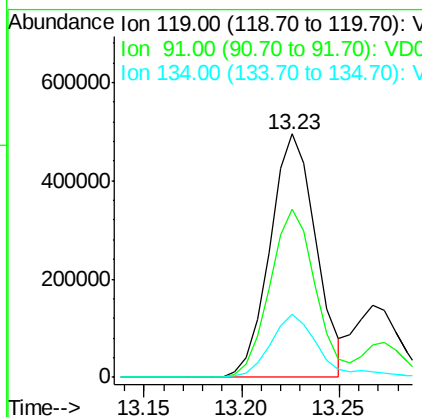
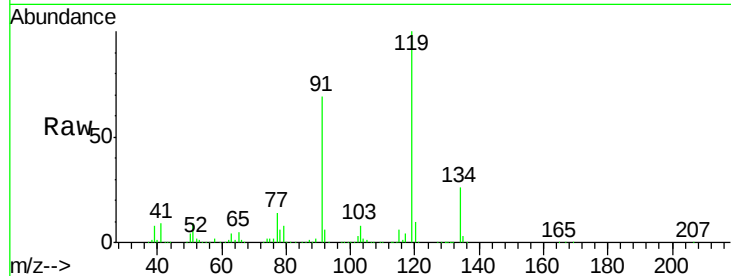
#83
tert-Butylbenzene
Concen: 141.079 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	805860		
91	68.9	34.4	103.2	
134	27.6	13.5	40.4	

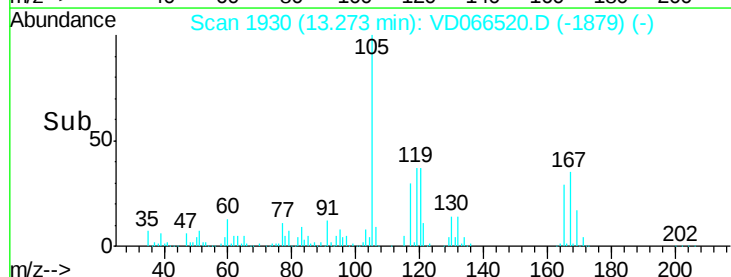
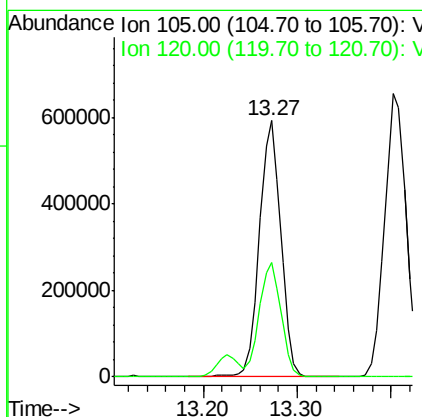
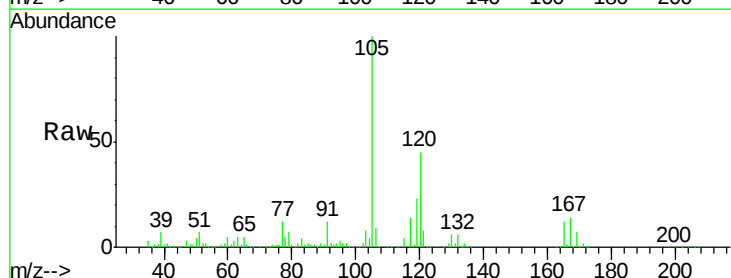
Manual Integrations
APPROVED

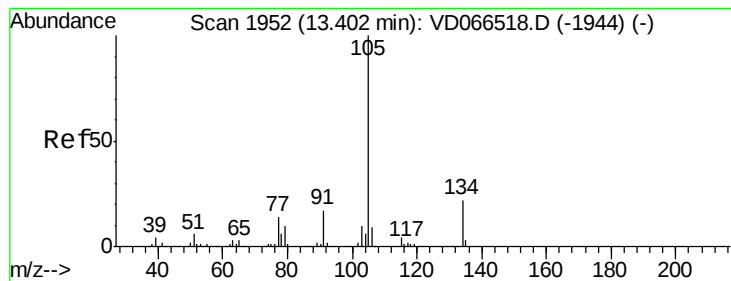
MMDadoda
9/3/2020 4:57:20 PM



#84
1,2,4-Trimethylbenzene
Concen: 144.075 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	938427		
120	44.9	21.7	65.1	





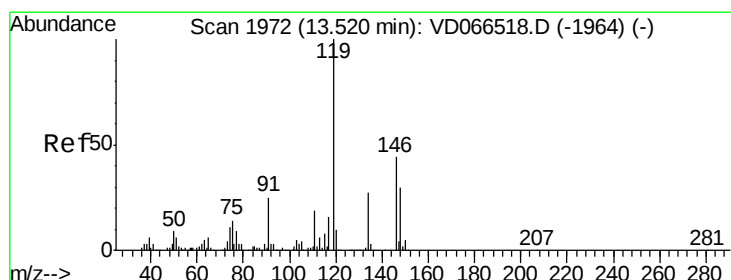
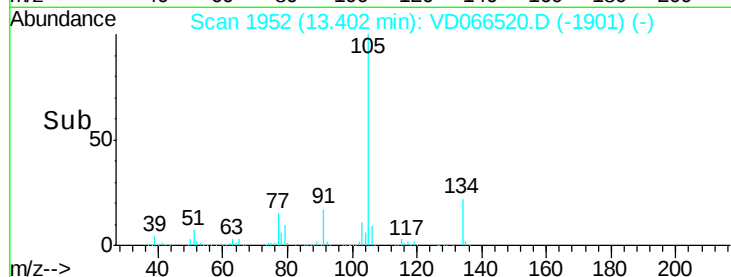
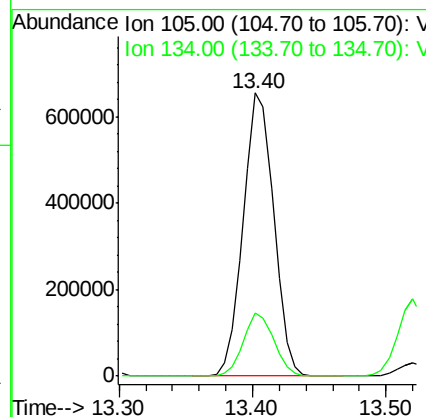
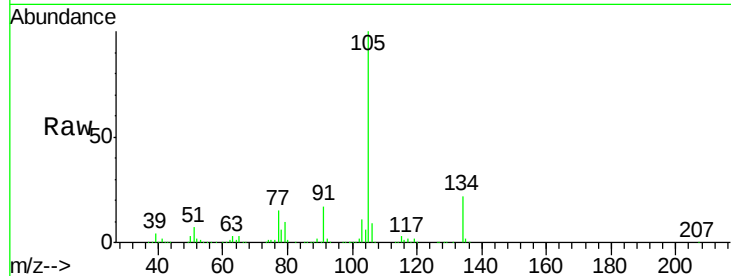
#85
 sec-Butylbenzene
 Concen: 143.509 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1038489
 Ion Ratio Lower Upper
 105 100
 134 22.1 11.5 34.4

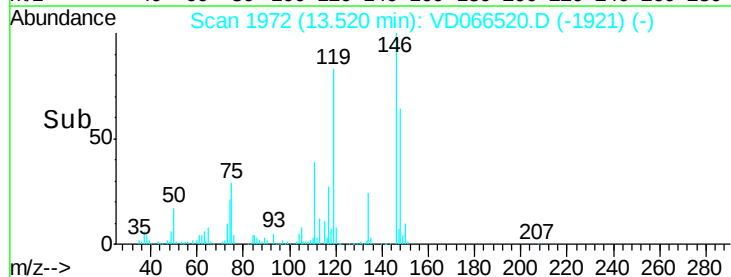
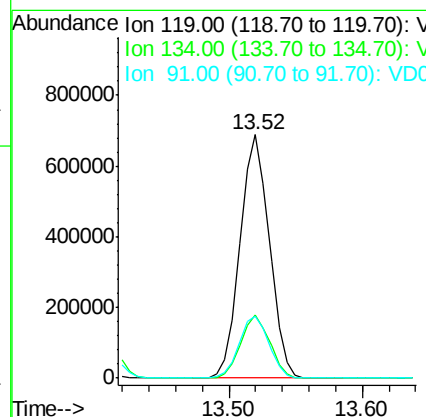
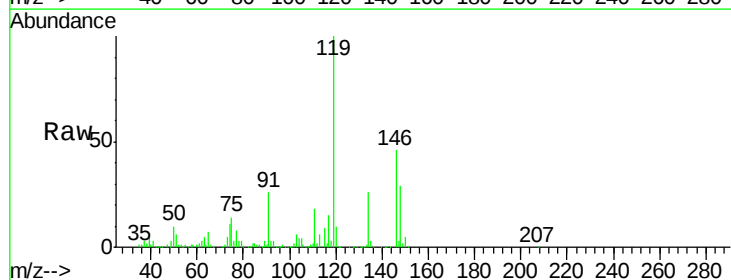
Manual Integrations
 APPROVED

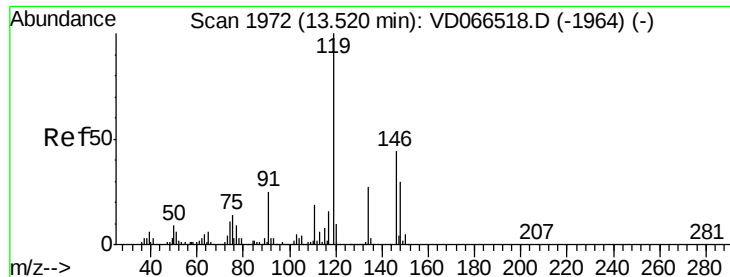
MMDadoda
 9/3/2020 4:57:20 PM



#86
 p-Isopropyltoluene
 Concen: 144.969 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion:119 Resp: 1048539
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.5 40.4
 91 26.1 13.0 39.0





#87

1,3-Dichlorobenzene

Concen: 145.841 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

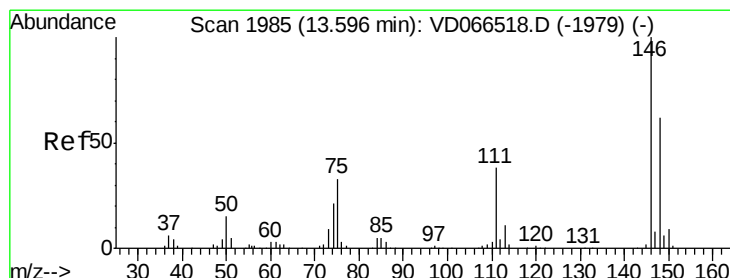
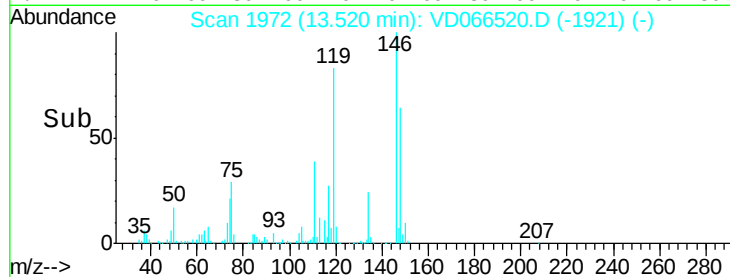
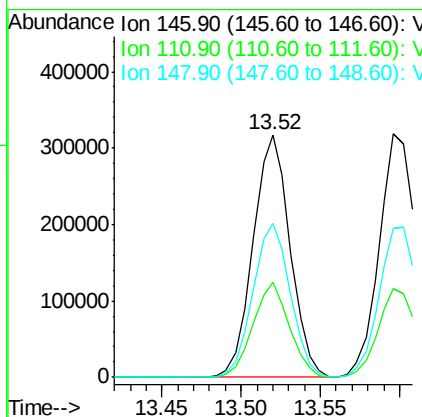
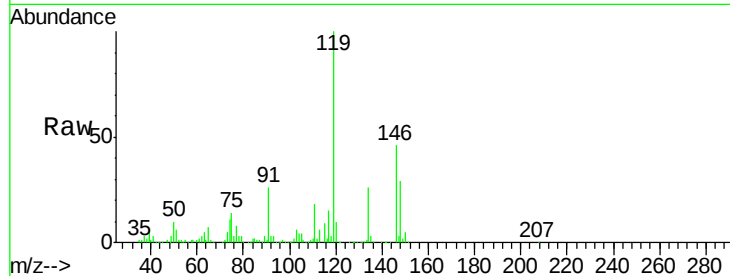
Instrument :
MSVOA_D

ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.3	61.0
148	64.0	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#88

1,4-Dichlorobenzene

Concen: 144.498 ug/l

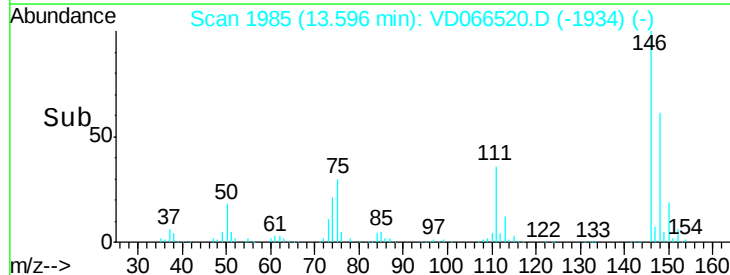
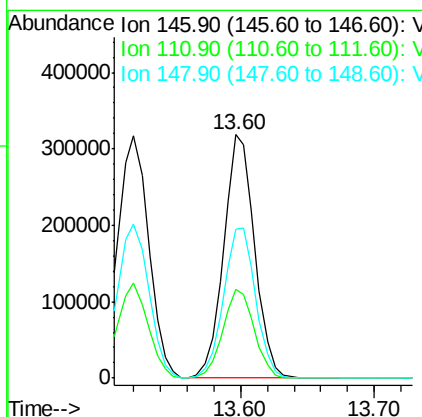
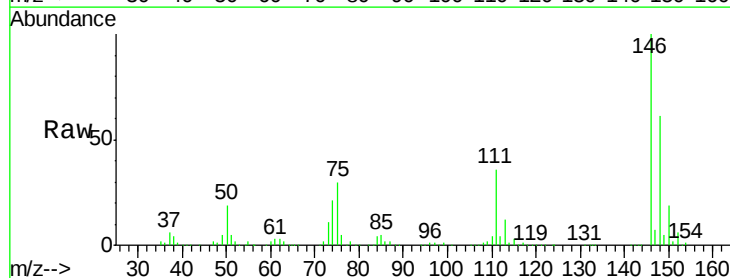
RT: 13.60 min Scan# 1985

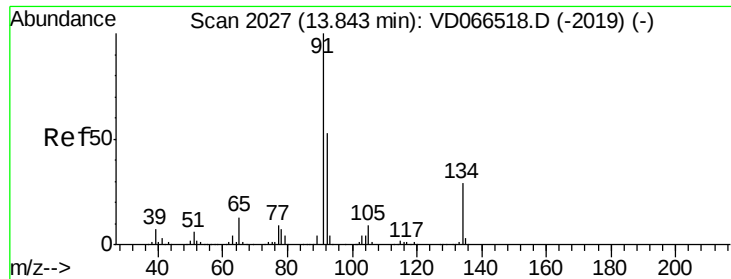
Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	64.1	31.5	94.5





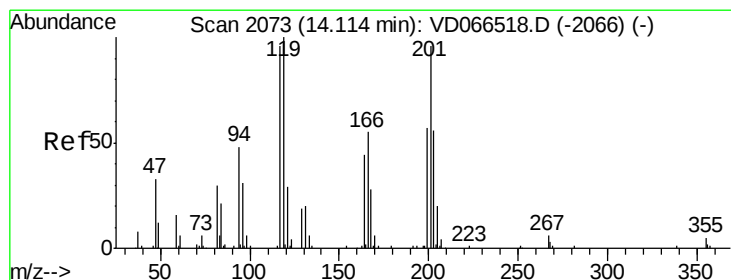
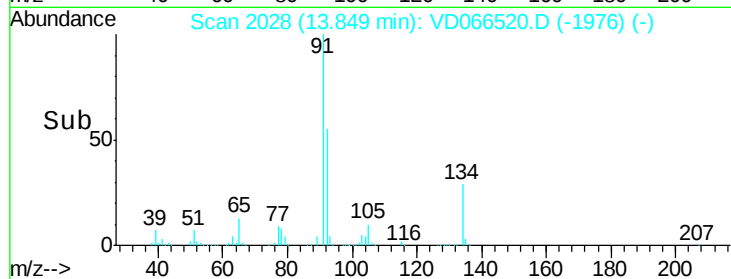
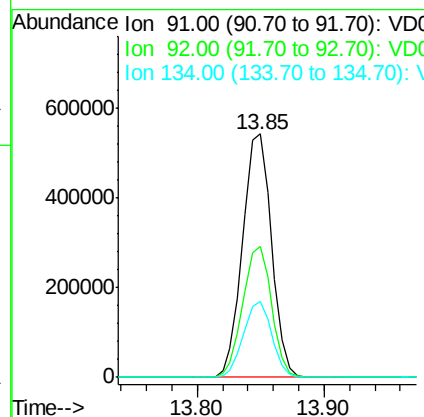
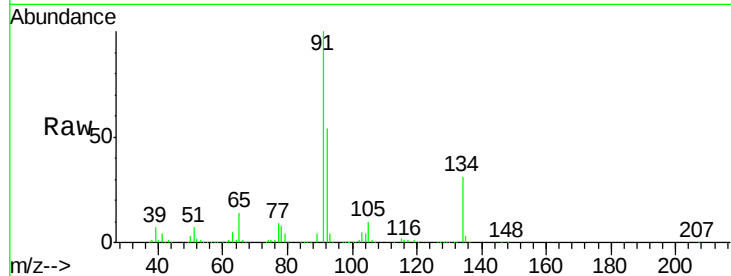
#89
n-Butylbenzene
Concen: 141.917 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	26.9	80.7	
134	30.4	15.0	45.1	

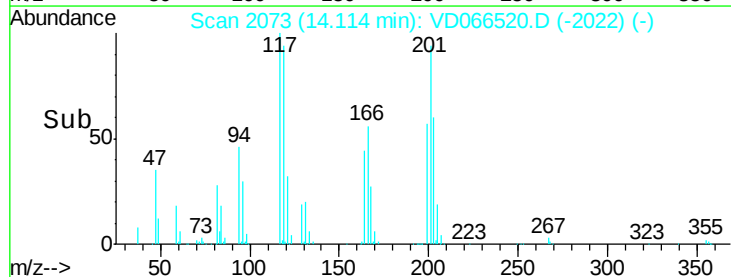
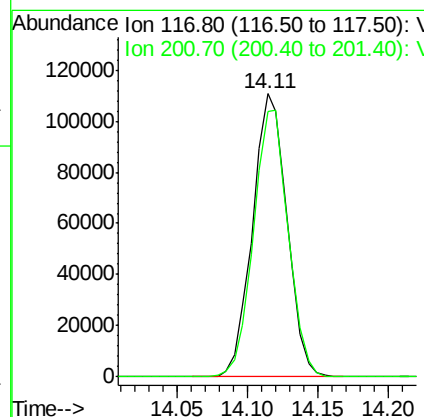
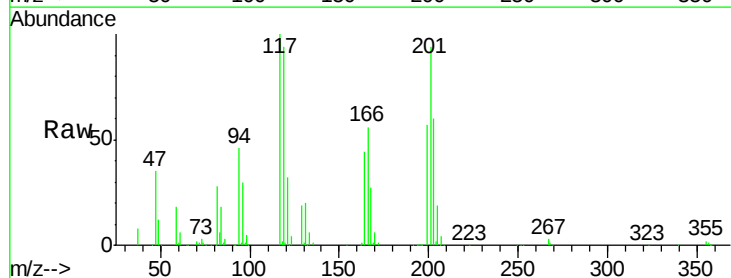
Manual Integrations
APPROVED

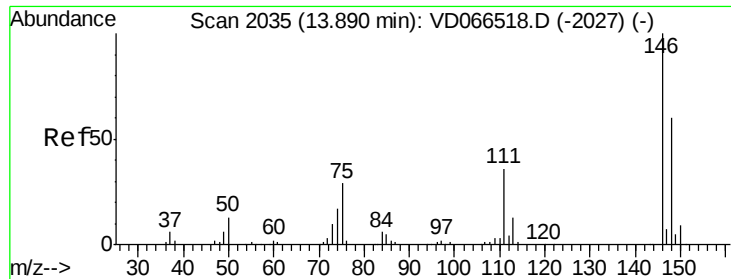
MMDadoda
9/3/2020 4:57:20 PM



#90
Hexachloroethane
Concen: 146.134 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	94.9	50.0	150.0	





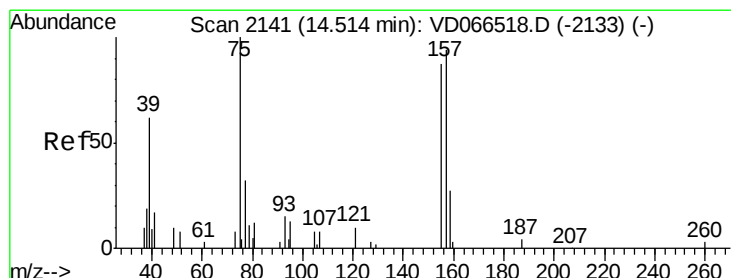
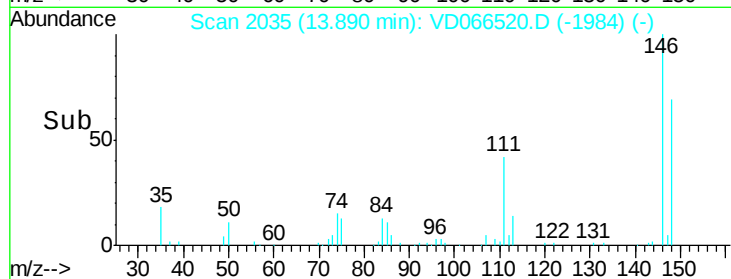
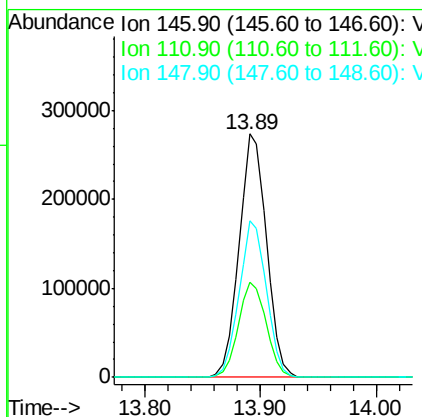
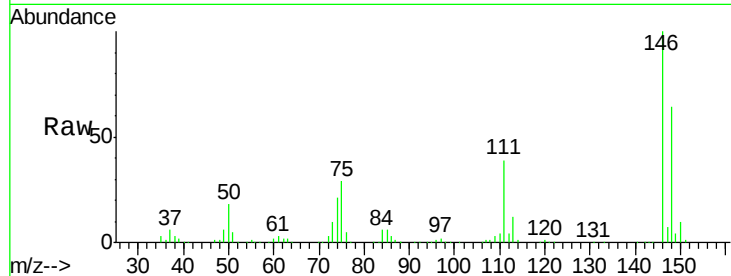
#91
 1,2-Dichlorobenzene
 Concen: 146.941 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	450591		
111	39.6		20.1	60.2
148	63.9		32.3	96.9

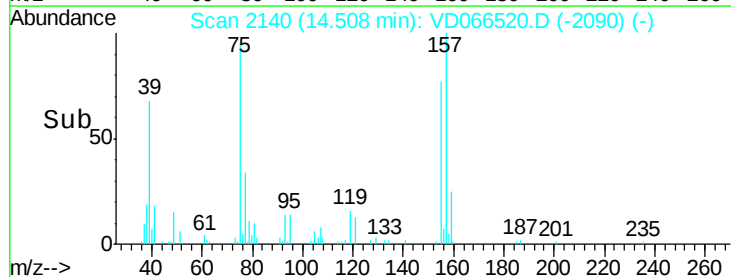
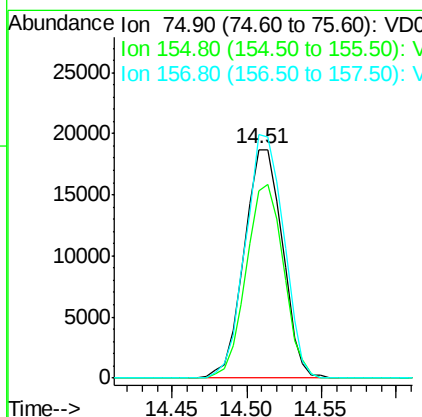
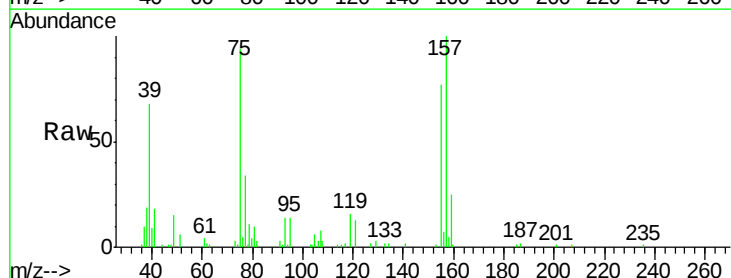
Manual Integrations
 APPROVED

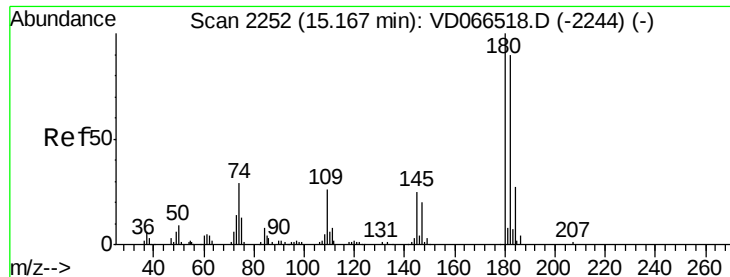
MMDadoda
 9/3/2020 4:57:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.298 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066520.D
 Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33311		
155	82.6		40.8	122.5
157	106.1		49.3	147.8





#93

1,2,4-Trichlorobenzene

Concen: 146.685 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Instrument :

MSVOA_D

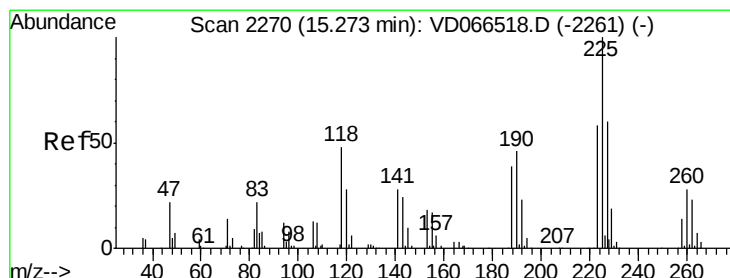
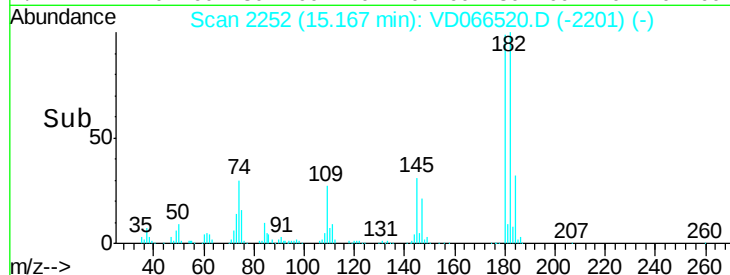
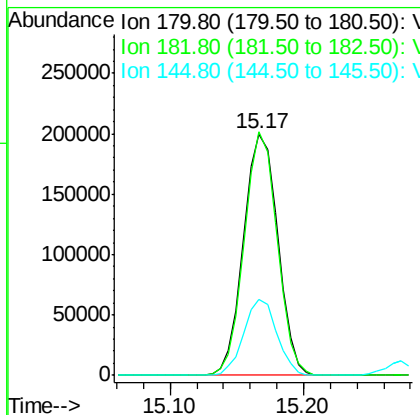
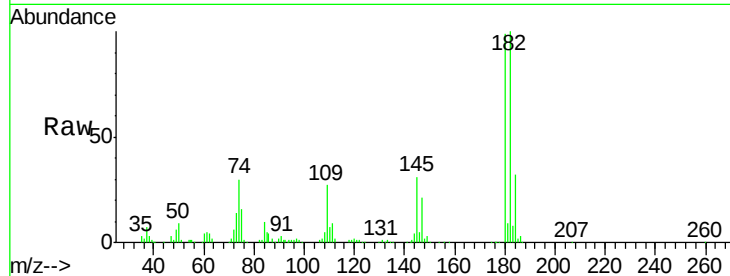
ClientSampleId :

VSTDIC150

Tot Ion:	180	Resp:	355030
Ion Ratio	Lower	Upper	
180	100		
182	96.5	46.9	140.6
145	30.6	15.0	45.1

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#94

Hexachlorobutadiene

Concen: 144.205 ug/l

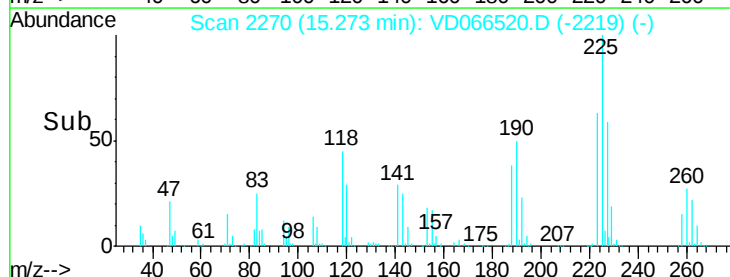
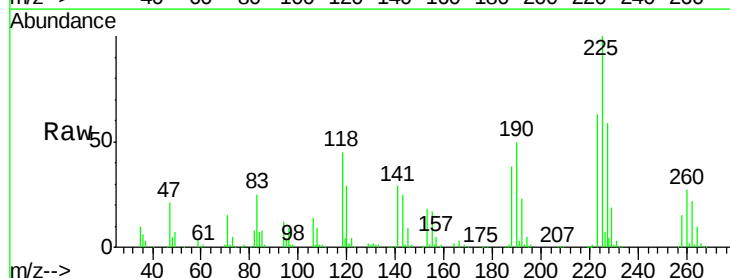
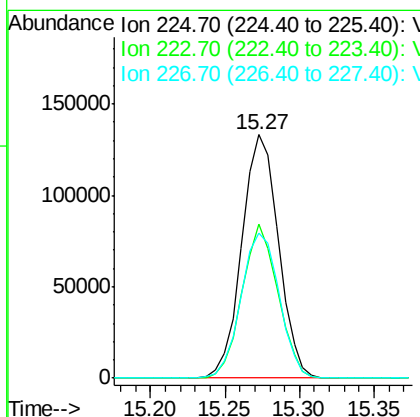
RT: 15.27 min Scan# 2270

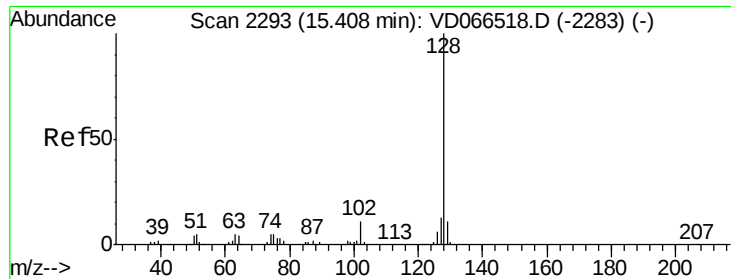
Delta R.T. 0.00 min

Lab File: VD066520.D

Acq: 02 Sep 2020 13:37

Tgt Ion:	225	Resp:	226256
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.6	94.7
227	62.1	31.4	94.3





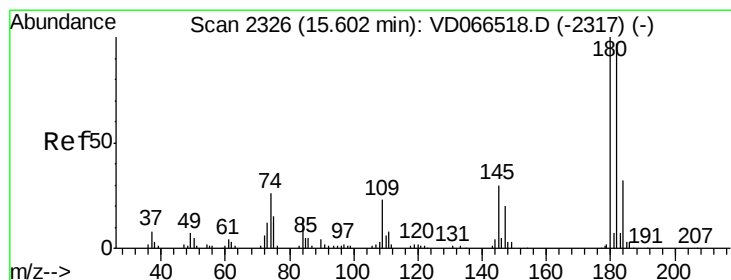
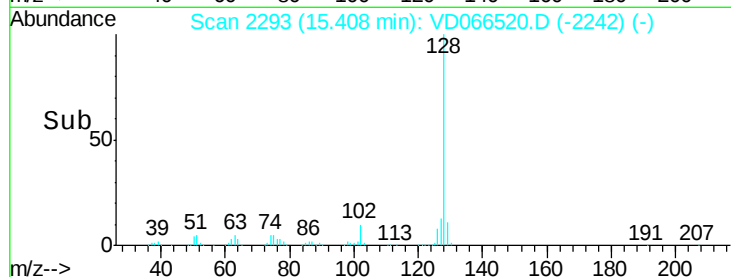
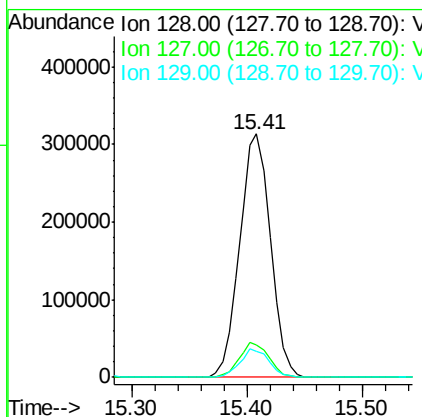
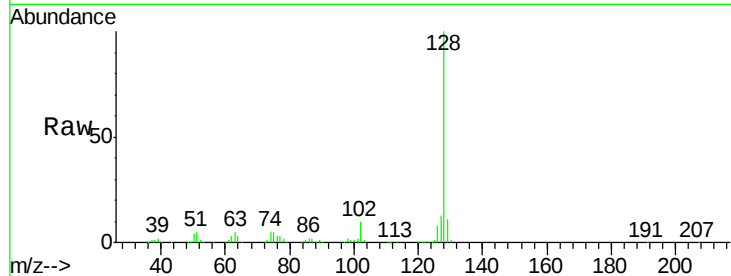
#95
Naphthalene
Concen: 154.129 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
128	100	579889		
127	13.7		11.1	16.7
129	11.1		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 147.025 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066520.D
Acq: 02 Sep 2020 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	307485		
182	96.3		47.5	142.5
145	32.8		16.2	48.6

