

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066122.D
 Acq On : 05 Aug 2020 10:35
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:12 PM

Quant Time: Aug 05 13:40:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	342412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	504038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	466401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	16998	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
35) Dibromofluoromethane	7.91	113	17113	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
50) Toluene-d8	10.34	98	62119	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
62) 4-Bromofluorobenzene	12.64	95	23520	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	14620	4.594	ug/l	94
3) Chloromethane	2.20	50	13215	5.277	ug/l	94
4) Vinyl Chloride	2.34	62	10547	4.921	ug/l	96
5) Bromomethane	2.76	94	8069	5.505	ug/l	96
6) Chloroethane	2.91	64	6976	5.225	ug/l	93
7) Trichlorofluoromethane	3.26	101	29597	5.301	ug/l	97
8) Diethyl Ether	3.70	74	7969	5.230	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	16835	5.099	ug/l	97
10) Methyl Iodide	4.29	142	8641	4.262	ug/l	97
11) Tert butyl alcohol	5.18	59	13991m	38.414	ug/l	
12) 1,1-Dichloroethene	4.06	96	15983	5.158	ug/l	85
13) Acrolein	3.91	56	6698	27.071	ug/l	89
14) Allyl chloride	4.70	41	24063	5.174	ug/l	99
15) Acrylonitrile	5.41	53	15172	23.681	ug/l	94
16) Acetone	4.16	43	15585	26.477	ug/l	93
17) Carbon Disulfide	4.40	76	50220	5.091	ug/l	99
18) Methyl Acetate	4.71	43	8695	5.759	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	33714	4.856	ug/l	98
20) Methylene Chloride	4.96	84	27966	6.442	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	18365	5.149	ug/l	97
22) Diisopropyl ether	6.36	45	44760	4.870	ug/l #	97
23) Vinyl Acetate	6.30	43	125953	23.678	ug/l	98
24) 1,1-Dichloroethane	6.26	63	29959	5.225	ug/l	95
25) 2-Butanone	7.21	43	23012	26.425	ug/l	98
26) 2,2-Dichloropropane	7.20	77	28370	5.405	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	18837	5.103	ug/l	95
28) Bromochloromethane	7.54	49	10618	5.298	ug/l #	97
29) Tetrahydrofuran	7.55	42	13326	25.176	ug/l	96
30) Chloroform	7.71	83	31638	5.242	ug/l	96
31) Cyclohexane	7.98	56	31329	5.603	ug/l #	85
32) 1,1,1-Trichloroethane	7.90	97	28855	5.110	ug/l	97
36) 1,1-Dichloropropene	8.10	75	24581	5.053	ug/l	99
37) Ethyl Acetate	7.30	43	10630	5.631	ug/l #	93
38) Carbon Tetrachloride	8.10	117	27193	5.028	ug/l #	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066122.D
 Acq On : 05 Aug 2020 10:35
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:12 PM

Quant Time: Aug 05 13:40:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	28024	4.854	ug/l	95
40) Benzene	8.35	78	68827	5.098	ug/l	96
41) Methacrylonitrile	7.52	41	4575	4.253	ug/l #	82
42) 1,2-Dichloroethane	8.42	62	20620	5.230	ug/l	98
43) Isopropyl Acetate	8.45	43	17800	4.825	ug/l #	60
44) Trichloroethene	9.11	130	20045	4.969	ug/l	100
45) 1,2-Dichloropropane	9.38	63	16434	5.028	ug/l	91
46) Dibromomethane	9.47	93	8480	4.719	ug/l	89
47) Bromodichloromethane	9.66	83	23347	4.913	ug/l #	96
48) Methyl methacrylate	9.46	41	9797	5.042	ug/l	94
49) 1,4-Dioxane	9.46	88	2024	87.822	ug/l #	77
51) 4-Methyl-2-Pentanone	10.23	43	46793	24.339	ug/l	100
52) Toluene	10.40	92	44146	4.996	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	20866	4.687	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	25218	4.845	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	13339	5.094	ug/l	95
56) Ethyl methacrylate	10.66	69	13495	4.492	ug/l	93
57) 1,3-Dichloropropane	10.94	76	21067	4.892	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	31119	22.769	ug/l	97
59) 2-Hexanone	10.98	43	32161	23.922	ug/l	96
60) Dibromochloromethane	11.14	129	18199	5.076	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12144	4.890	ug/l	98
64) Tetrachloroethene	10.87	164	18540	5.072	ug/l #	87
65) Chlorobenzene	11.67	112	49841	5.149	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	19668	5.168	ug/l	98
67) Ethyl Benzene	11.74	91	83371	5.019	ug/l	98
68) m/p-Xylenes	11.85	106	63218	9.785	ug/l	100
69) o-Xylene	12.18	106	28480	4.899	ug/l	99
70) Styrene	12.20	104	48556	4.742	ug/l	98
71) Bromoform	12.36	173	11252	5.026	ug/l #	97
73) Isopropylbenzene	12.48	105	78297	4.866	ug/l	99
74) N-amyl acetate	12.29	43	15668	4.526	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	14780	5.297	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	10906m	5.510	ug/l	
77) Bromobenzene	12.77	156	21115	5.054	ug/l	99
78) n-propylbenzene	12.82	91	92541	4.923	ug/l	98
79) 2-Chlorotoluene	12.91	91	54056	5.015	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	65154	4.834	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	4694	5.192	ug/l	96
82) 4-Chlorotoluene	13.01	91	57122	5.003	ug/l	99
83) tert-Butylbenzene	13.23	119	56699	4.805	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	67441	4.975	ug/l	100
85) sec-Butylbenzene	13.41	105	76586	4.787	ug/l	96
86) p-Isopropyltoluene	13.52	119	72570	4.823	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	41296	5.195	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	40332	5.107	ug/l	94
89) n-Butylbenzene	13.85	91	65213	4.886	ug/l	99
90) Hexachloroethane	14.12	117	15276	5.081	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	36605	5.221	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2486	5.234	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
Data File : VD066122.D
Acq On : 05 Aug 2020 10:35
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

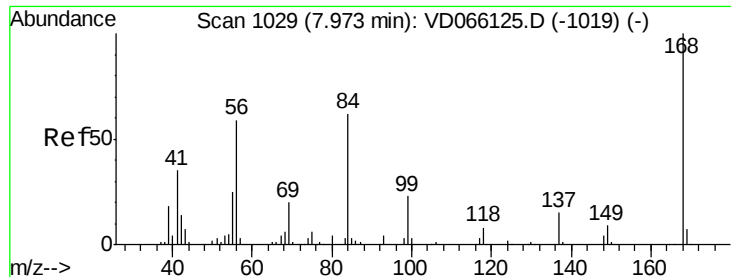
Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM

Quant Time: Aug 05 13:40:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:31:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	24847	4.938	ug/l	99
94) Hexachlorobutadiene	15.27	225	14964	5.009	ug/l	98
95) Naphthalene	15.41	128	37416	4.714	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	22667	5.087	ug/l	98

(#) = 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. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 342412

Ion Ratio Lower Upper

168 100

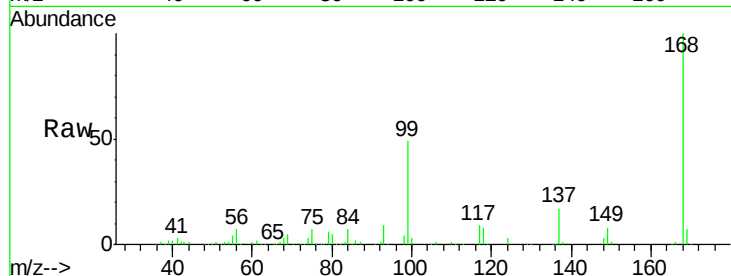
99 49.1 42.2 63.4

Manual Integrations

APPROVED

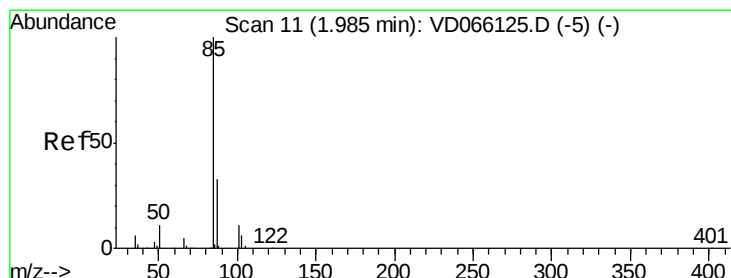
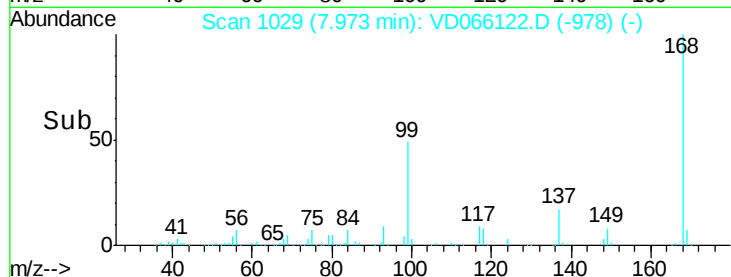
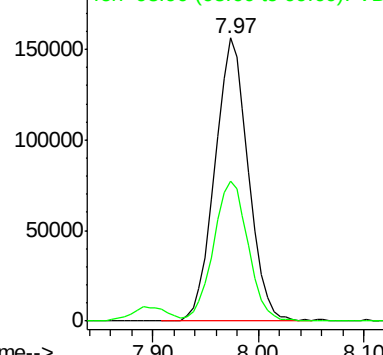
MMDadoda

8/6/2020 1:54:12 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.594 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066122.D

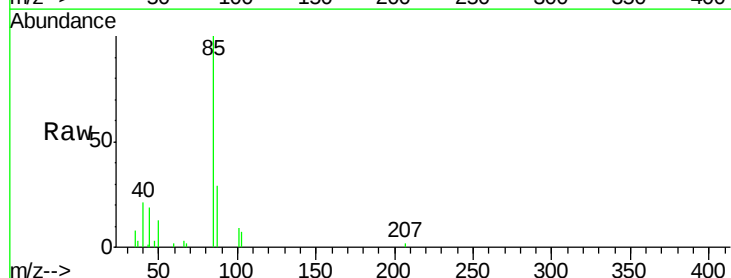
Acq: 05 Aug 2020 10:35

Tgt Ion: 85 Resp: 14620

Ion Ratio Lower Upper

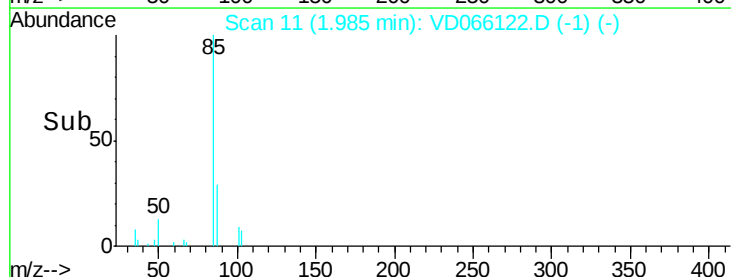
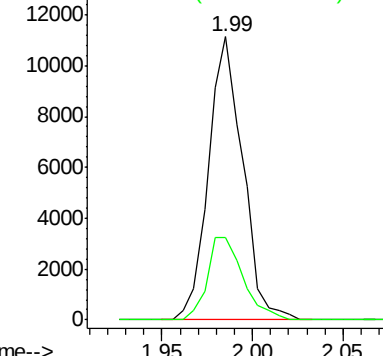
85 100

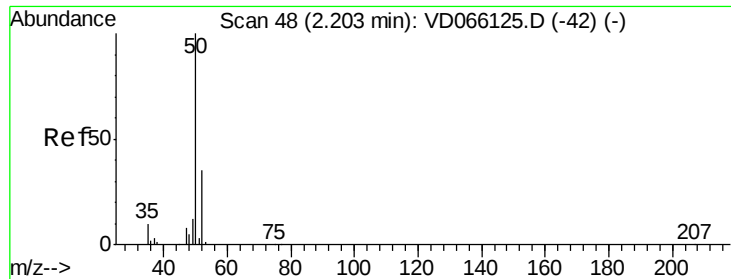
87 29.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.277 ug/l

RT: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13215

Ion Ratio Lower Upper

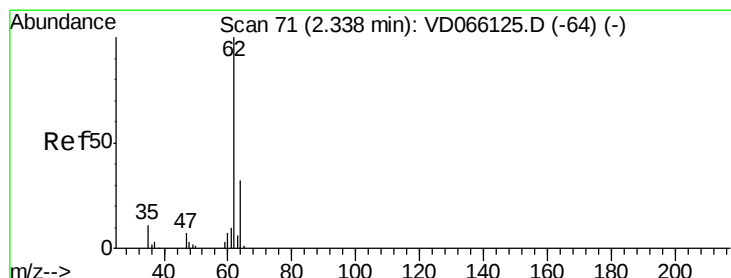
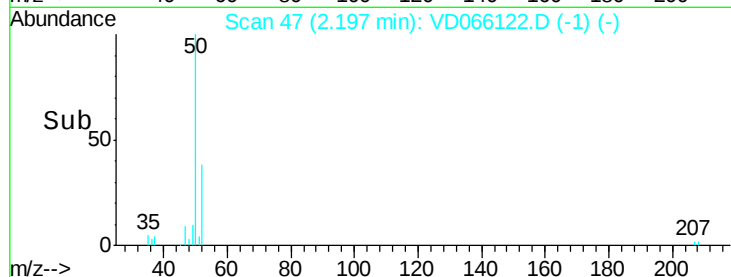
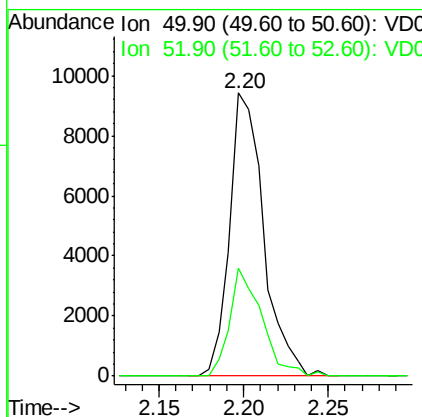
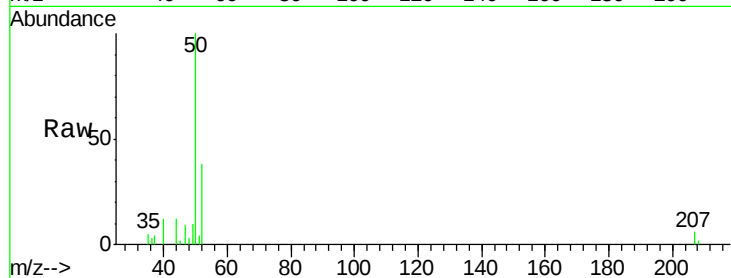
50 100

52 38.1 27.9 41.9

Manual Integrations
APPROVED

MMDadoda

8/6/2020 1:54:12 PM



#4

Vinyl Chloride

Concen: 4.921 ug/l

RT: 2.34 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD066122.D

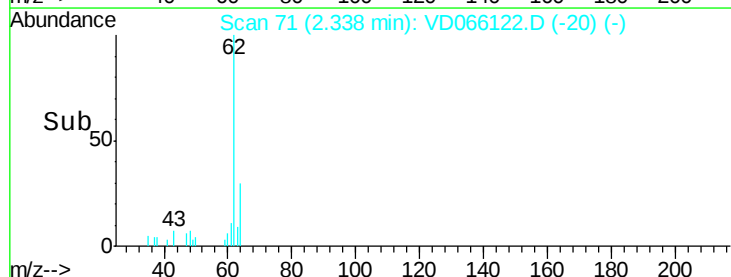
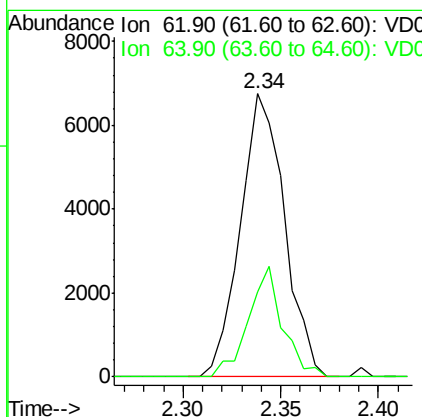
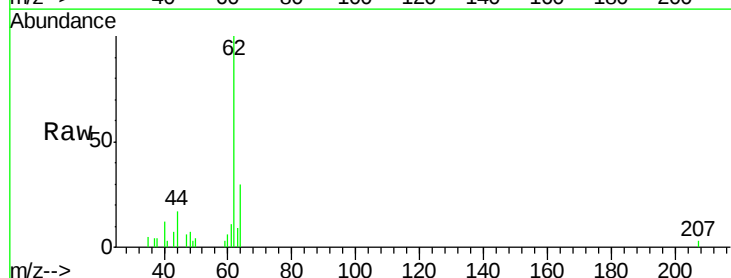
Acq: 05 Aug 2020 10:35

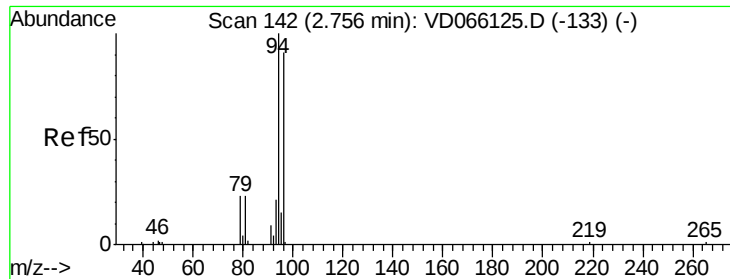
Tgt Ion: 62 Resp: 10547

Ion Ratio Lower Upper

62 100

64 30.1 25.8 38.8





#5

Bromomethane

Concen: 5.505 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8069

Ion Ratio Lower Upper

94 100

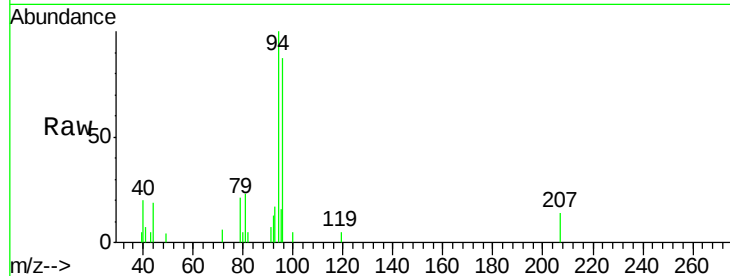
96 86.8 72.6 109.0

Manual Integrations

APPROVED

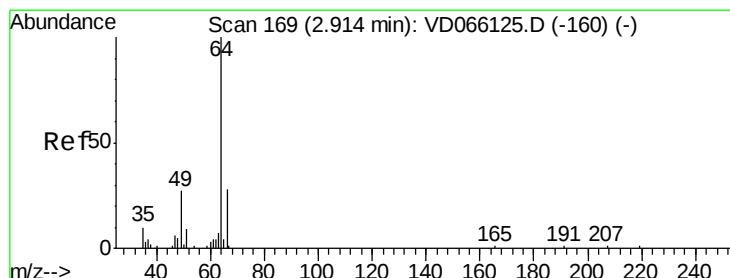
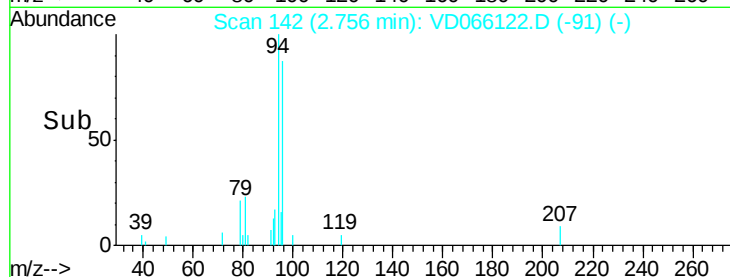
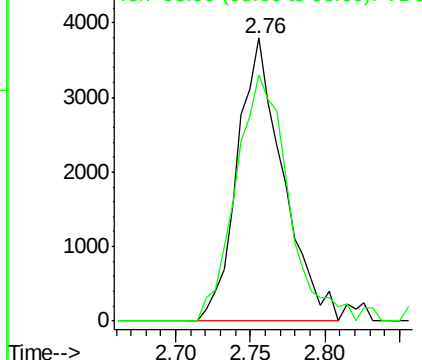
MMDadoda

8/6/2020 1:54:12 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.225 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066122.D

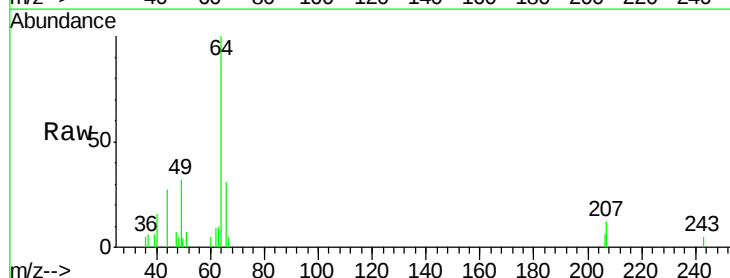
Acq: 05 Aug 2020 10:35

Tgt Ion: 64 Resp: 6976

Ion Ratio Lower Upper

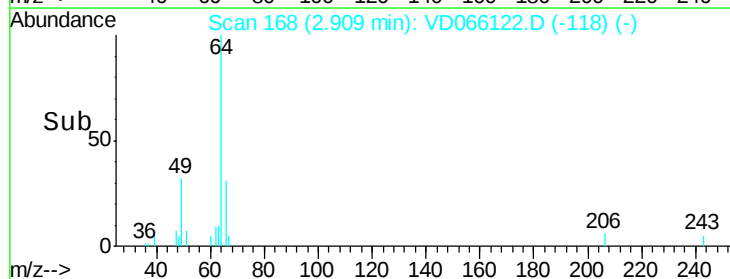
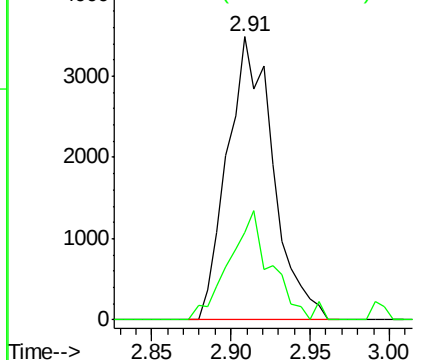
64 100

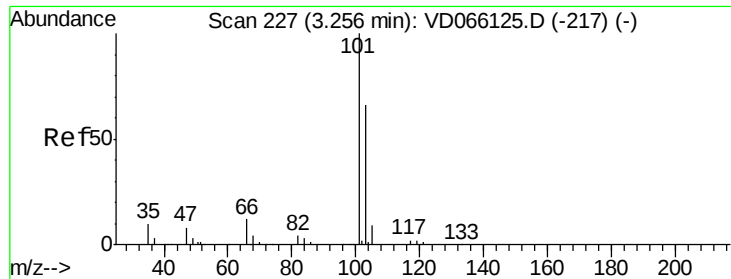
66 31.0 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

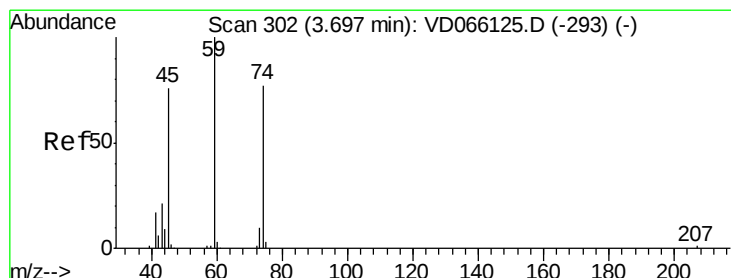
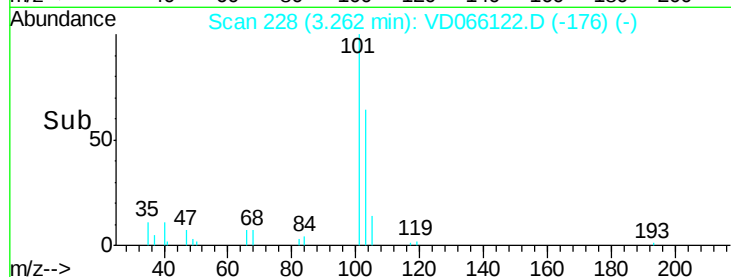
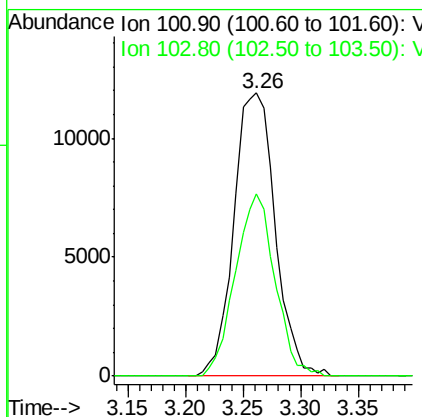
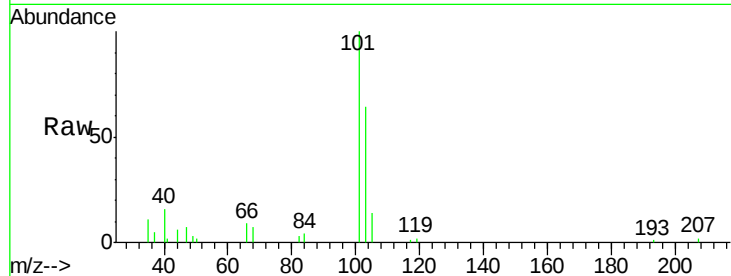
Trichlorofluoromethane
 Concen: 5.301 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.0	79.6

Manual Integrations
 APPROVED

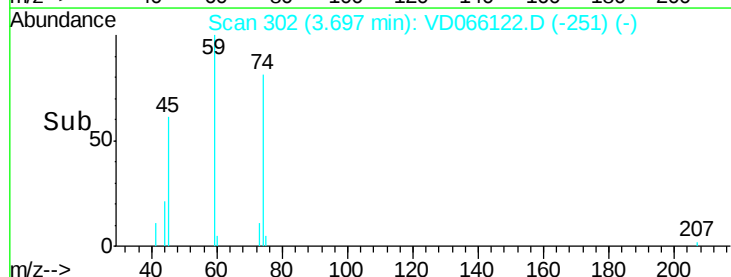
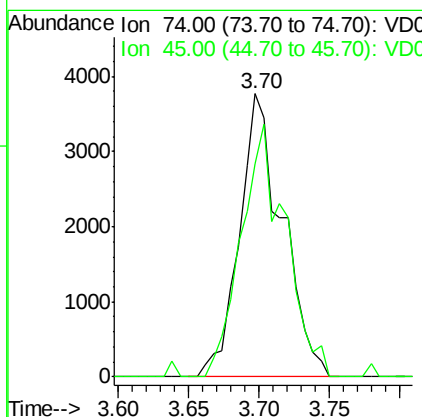
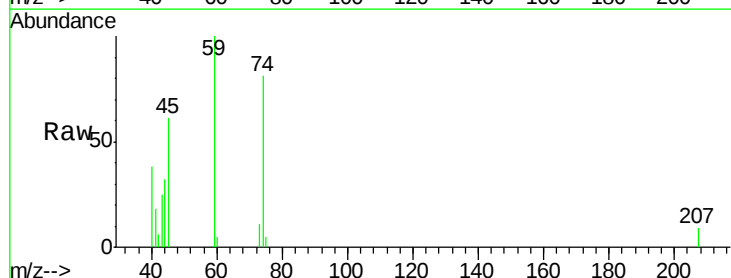
MMDadoda
 8/6/2020 1:54:12 PM

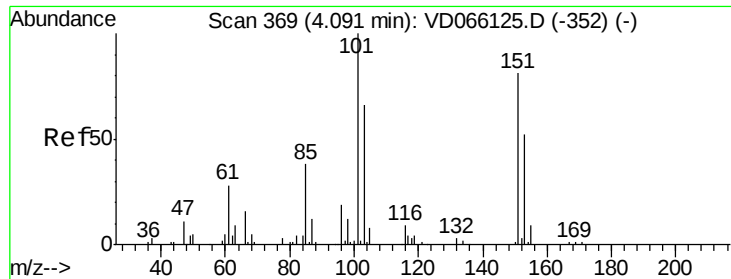


#8

Diethyl Ether
 Concen: 5.230 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.099 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

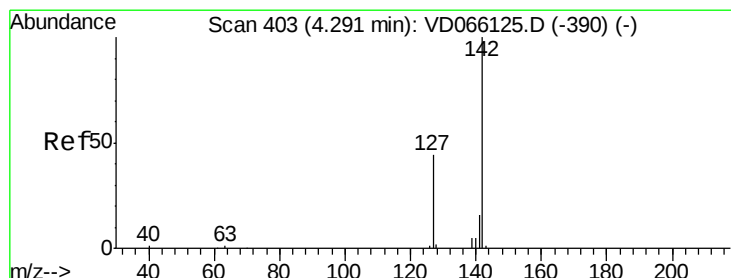
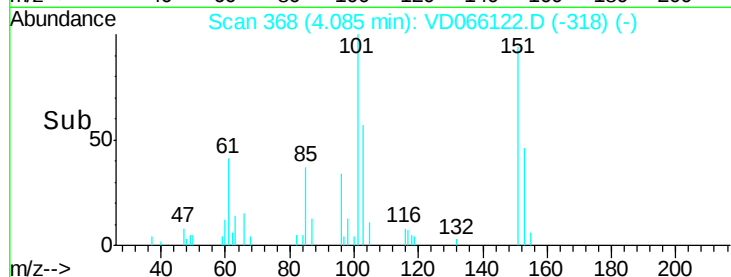
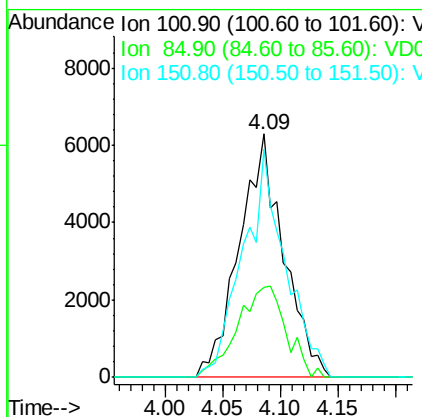
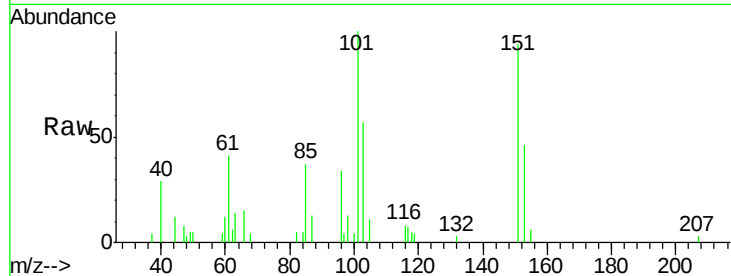
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16835
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.5	50.3
151	88.9	67.8	101.8

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#10

Methyl Iodide

Concen: 4.262 ug/l

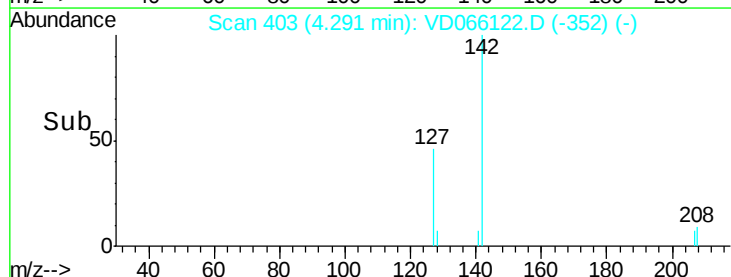
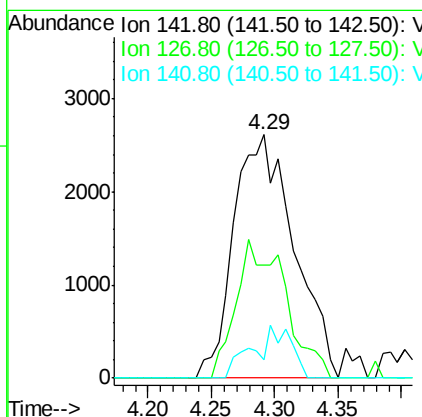
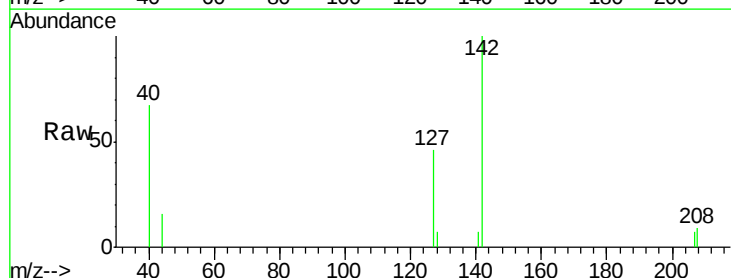
RT: 4.29 min Scan# 403

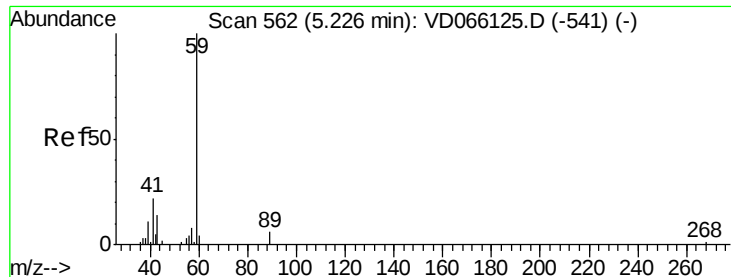
Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Tgt Ion:	142	Resp:	8641
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.2	54.4
141	13.5	12.6	18.8





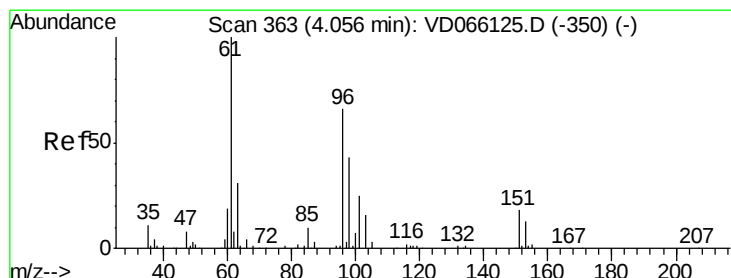
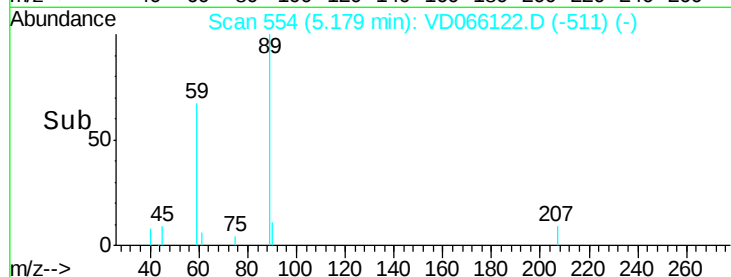
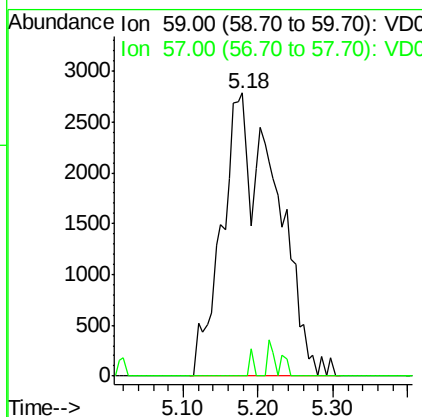
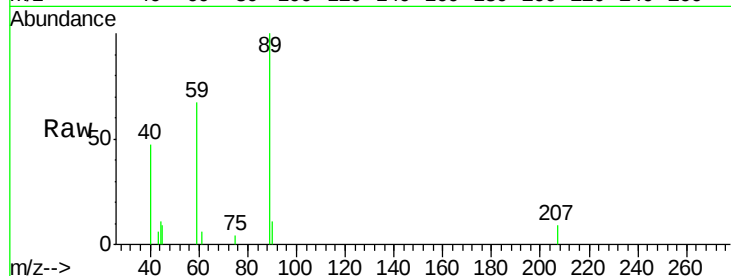
#11
Tert butyl alcohol
Concen: 38.414 ug/l m
RT: 5.18 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 13991
Ion Ratio Lower Upper
59 100
57 1.5 7.0 10.4#

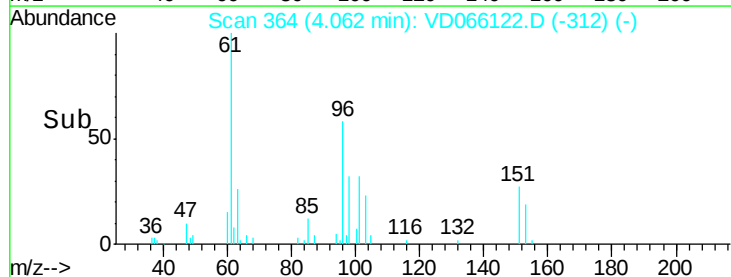
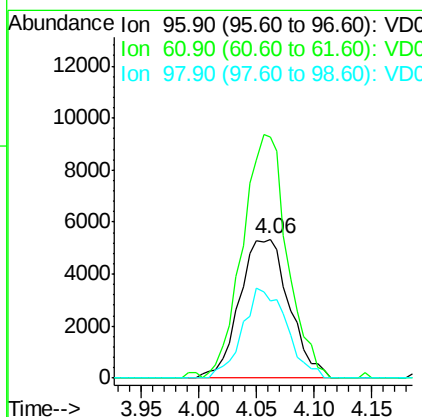
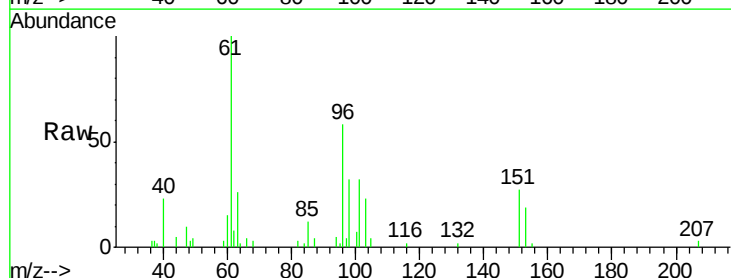
Manual Integrations
APPROVED

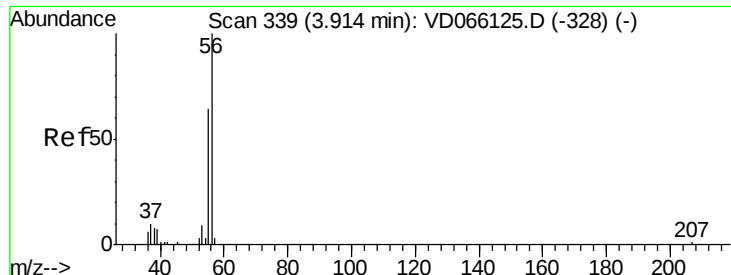
MMDadoda
8/6/2020 1:54:12 PM



#12
1,1-Dichloroethene
Concen: 5.158 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion: 96 Resp: 15983
Ion Ratio Lower Upper
96 100
61 173.5 121.6 182.4
98 55.6 52.0 78.0





#13

Acrolein

Concen: 27.071 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6698

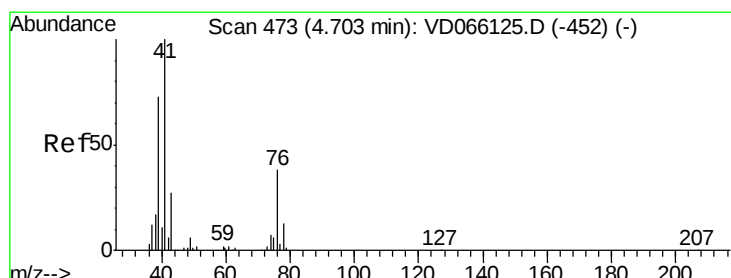
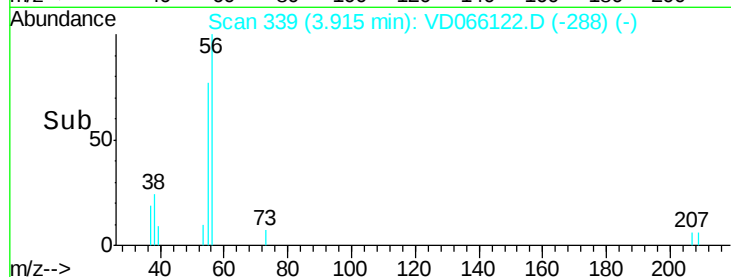
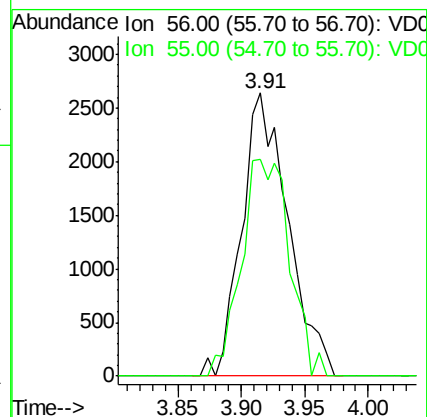
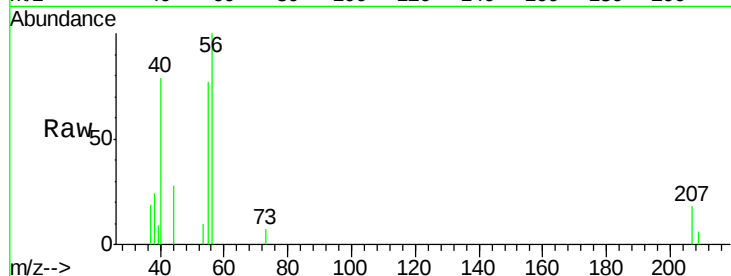
Ion Ratio Lower Upper

56 100

55 79.8 56.7 85.1

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#14

Allyl chloride

Concen: 5.174 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

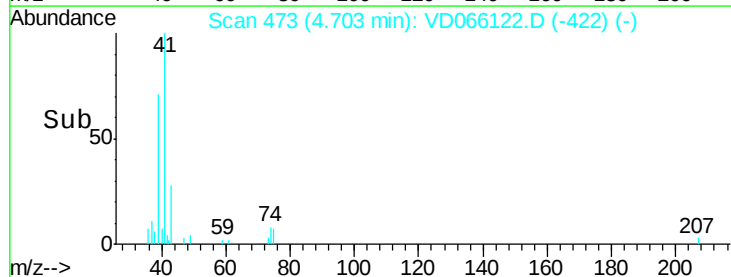
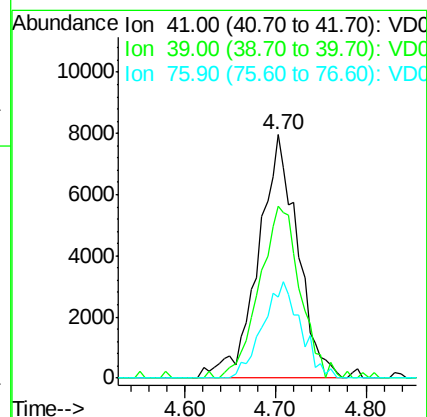
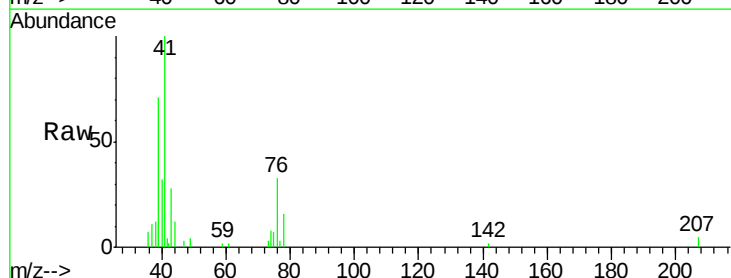
Tgt Ion: 41 Resp: 24063

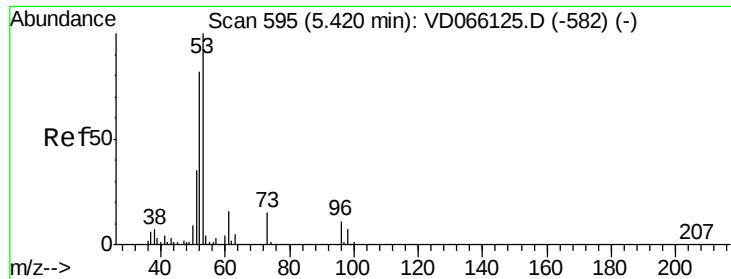
Ion Ratio Lower Upper

41 100

39 73.0 57.4 86.0

76 38.2 30.1 45.1





#15

Acrylonitrile

Concen: 23.681 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

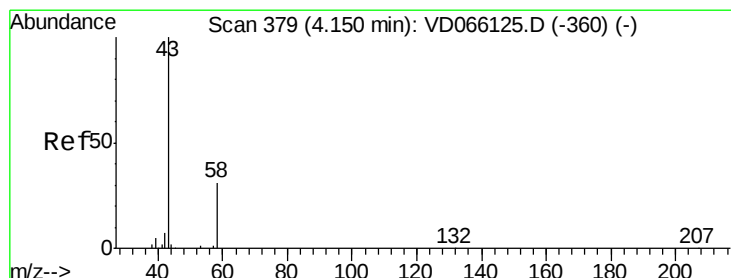
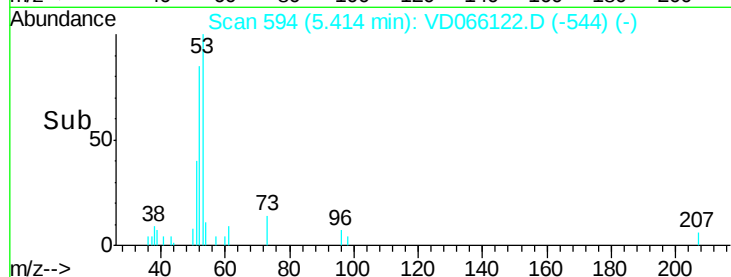
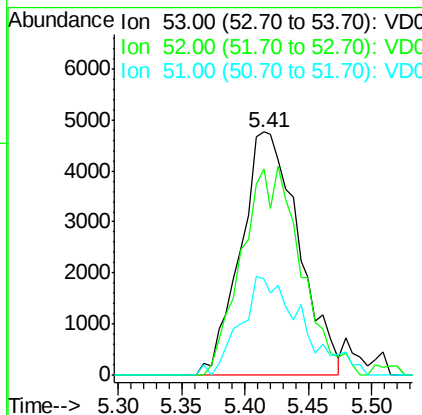
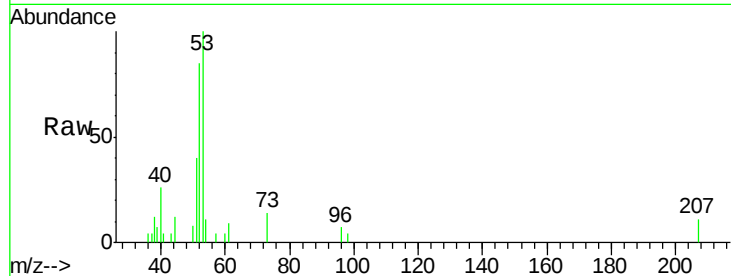
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	15172
Ion	Ratio	Lower	Upper
53	100		
52	87.2	66.1	99.1
51	43.0	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#16

Acetone

Concen: 26.477 ug/l

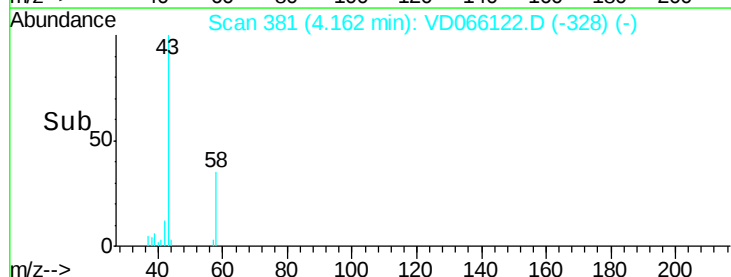
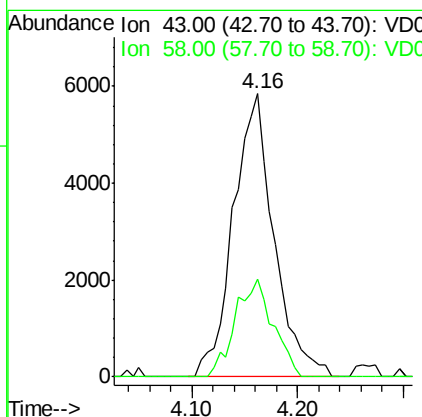
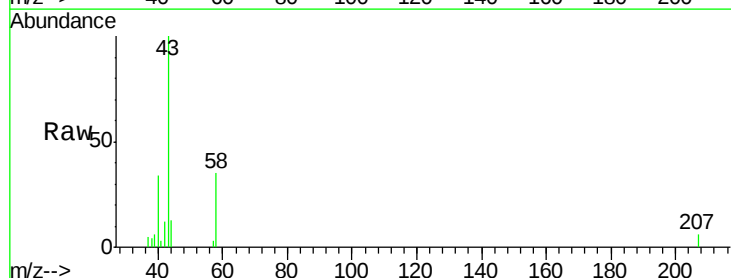
RT: 4.16 min Scan# 381

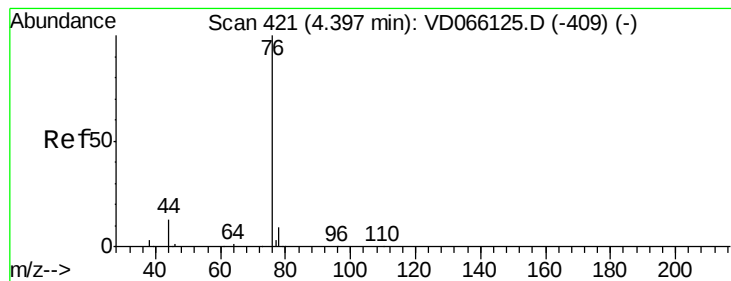
Delta R.T. 0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Tgt Ion:	43	Resp:	15585
Ion	Ratio	Lower	Upper
43	100		
58	34.6	24.7	37.1





#17

Carbon Disulfide

Concen: 5.091 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 50220

Ion Ratio Lower Upper

76 100

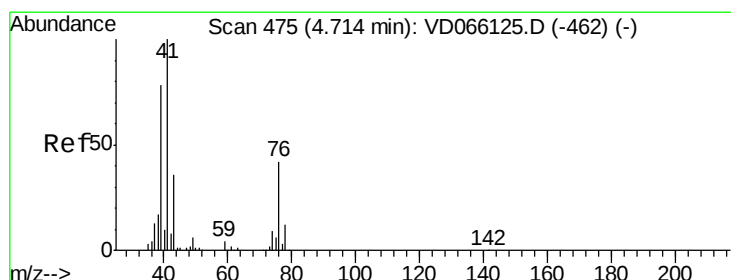
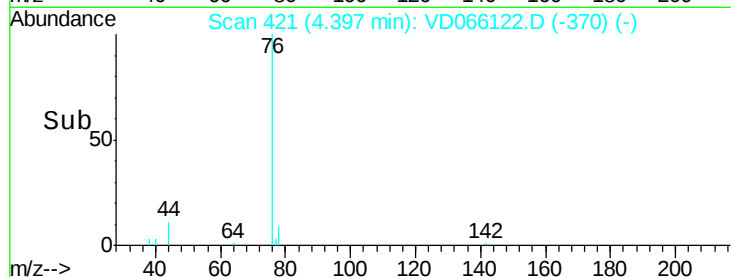
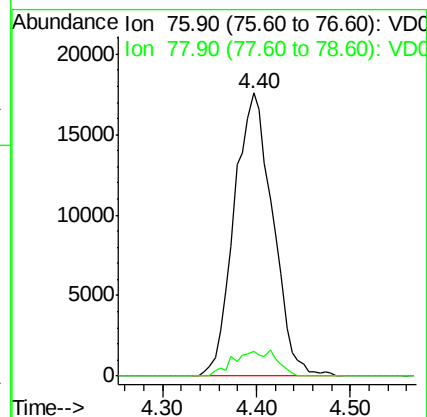
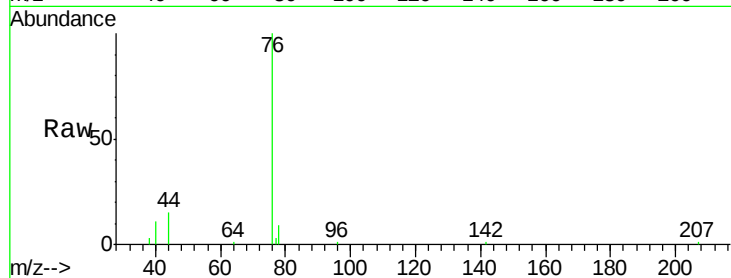
78 9.0 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:54:12 PM



#18

Methyl Acetate

Concen: 5.759 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066122.D

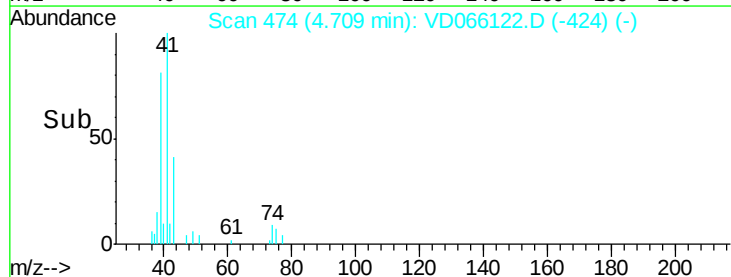
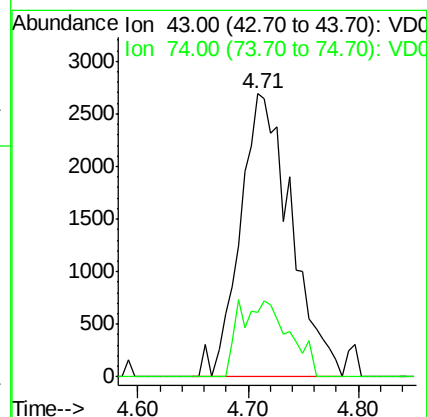
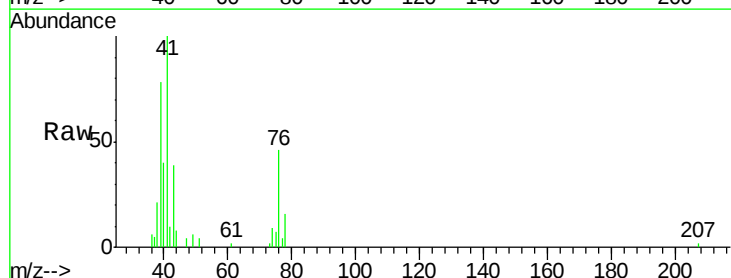
Acq: 05 Aug 2020 10:35

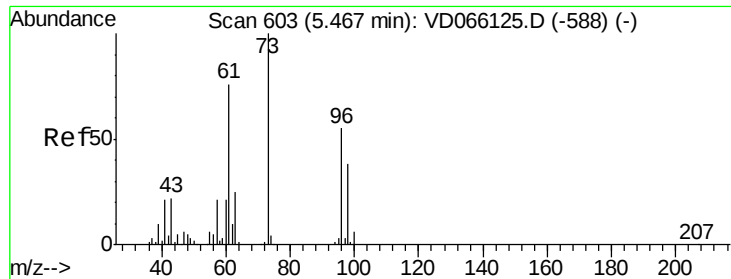
Tgt Ion: 43 Resp: 8695

Ion Ratio Lower Upper

43 100

74 26.3 21.2 31.8





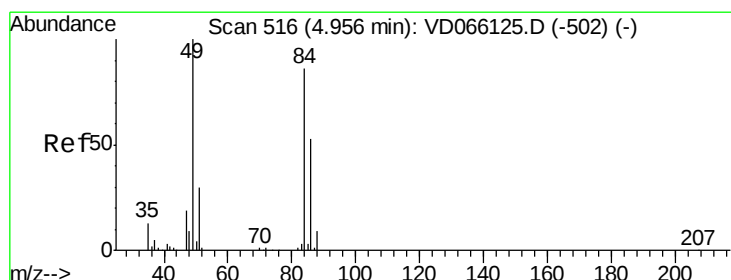
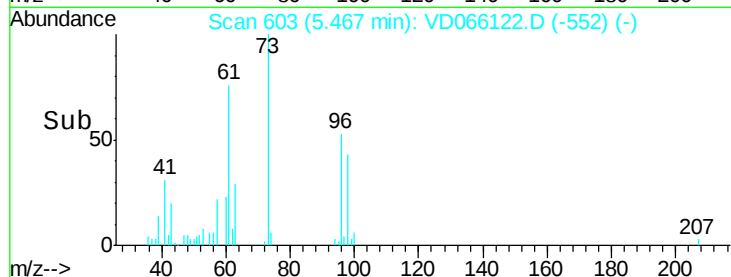
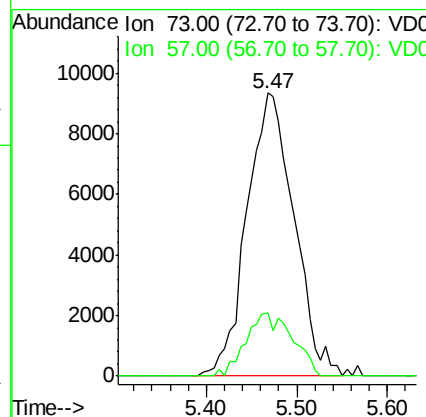
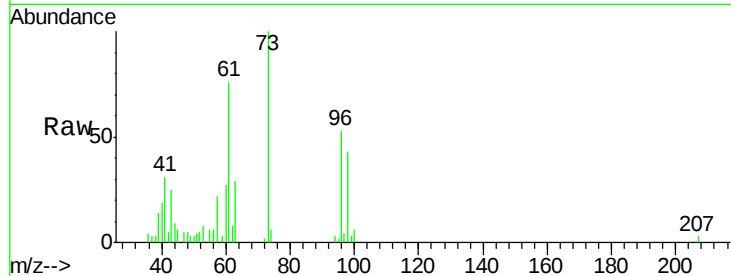
#19
Methvl tert-butvl Ether
Concen: 4.856 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 33714
Ion Ratio Lower Upper
73 100
57 22.2 17.1 25.7

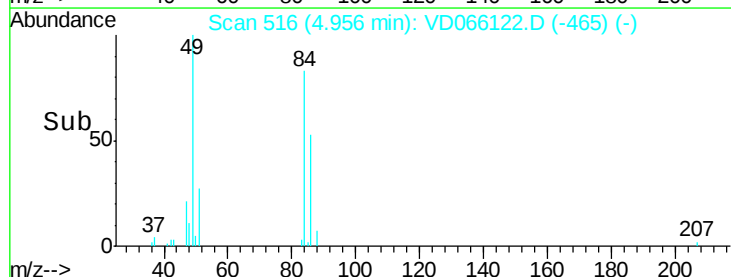
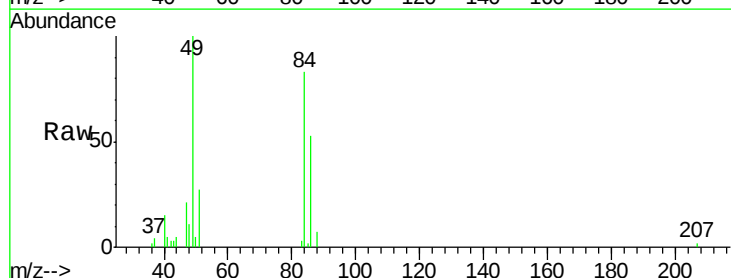
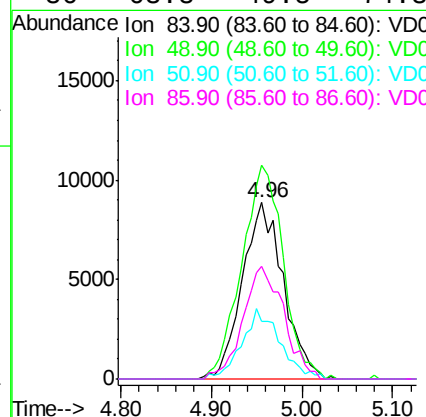
Manual Integrations
APPROVED

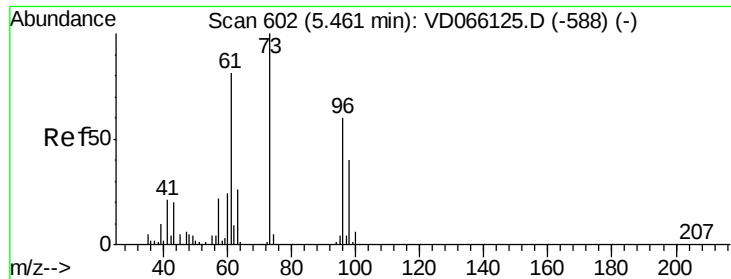
MMDadoda
8/6/2020 1:54:12 PM



#20
Methylene Chloride
Concen: 6.442 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion: 84 Resp: 27966
Ion Ratio Lower Upper
84 100
49 121.2 93.5 140.3
51 32.8 28.2 42.4
86 63.8 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 5.149 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

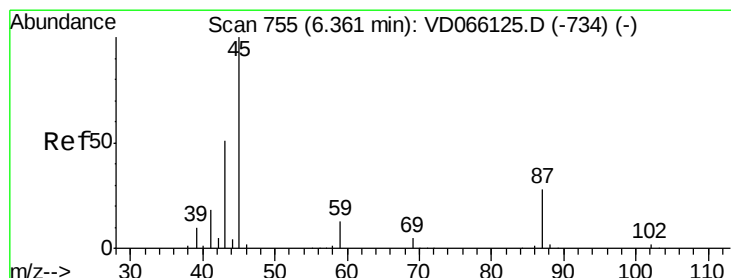
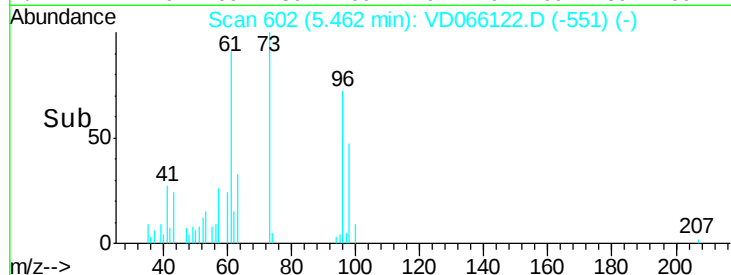
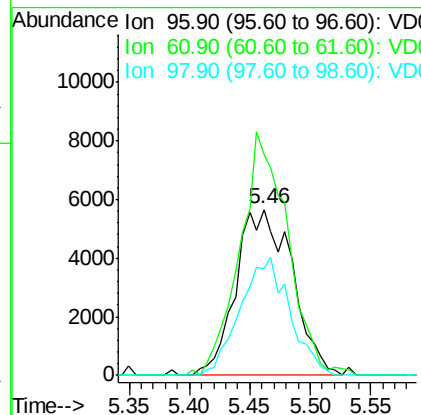
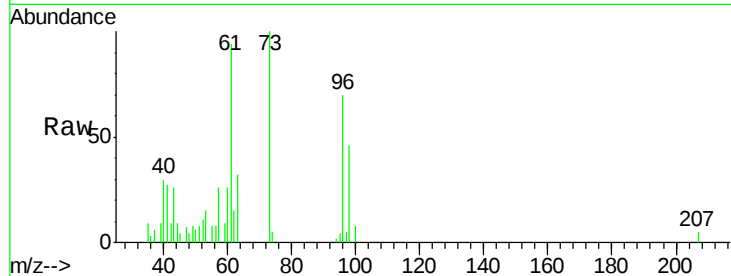
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18365
Ion	Ratio	Lower	Upper
96	100		
61	129.7	106.9	160.3
98	64.6	53.4	80.0

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#22

Diisopropyl ether

Concen: 4.870 ug/l

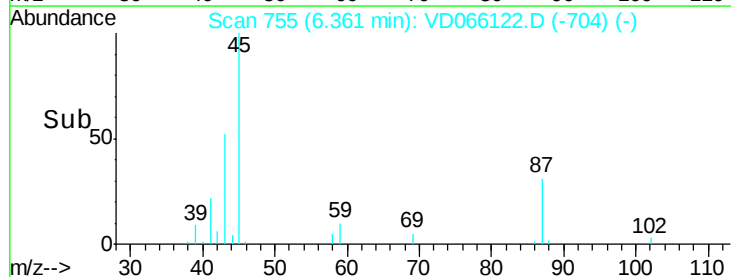
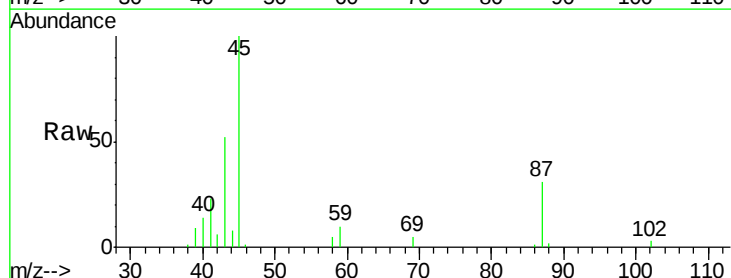
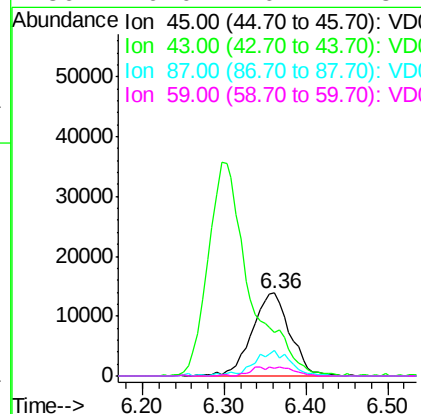
RT: 6.36 min Scan# 755

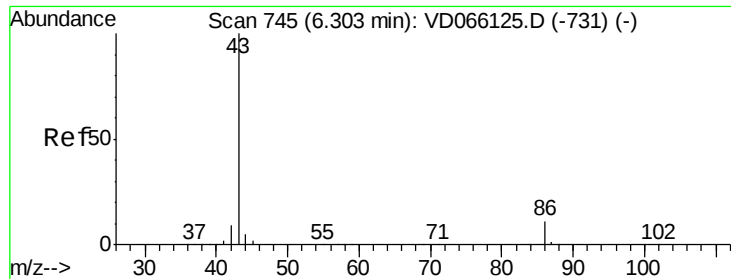
Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Tgt Ion:	45	Resp:	44760
Ion	Ratio	Lower	Upper
45	100		
43	52.0	41.2	61.8
87	30.6	22.8	34.2
59	10.0	10.2	15.2#





#23

Vinyl Acetate

Concen: 23.678 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 125953

Ion Ratio Lower Upper

43 100

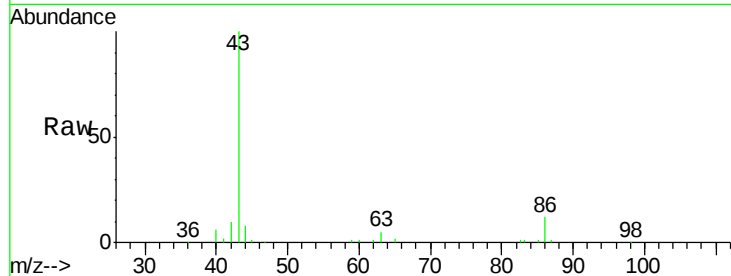
86 12.2 9.1 13.7

Manual Integrations

APPROVED

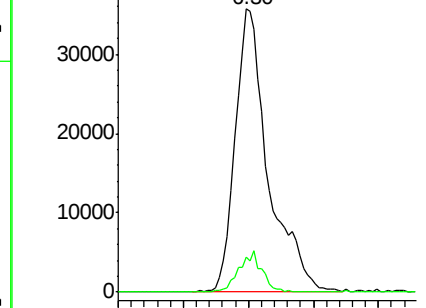
MMDadoda

8/6/2020 1:54:12 PM

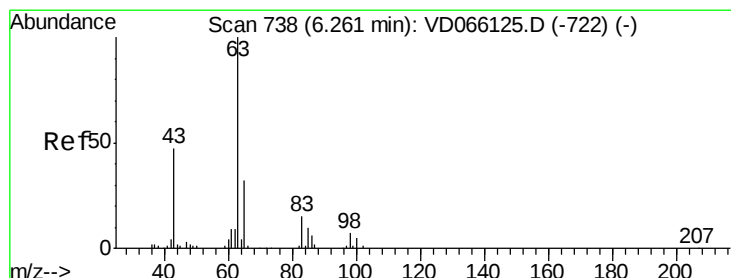
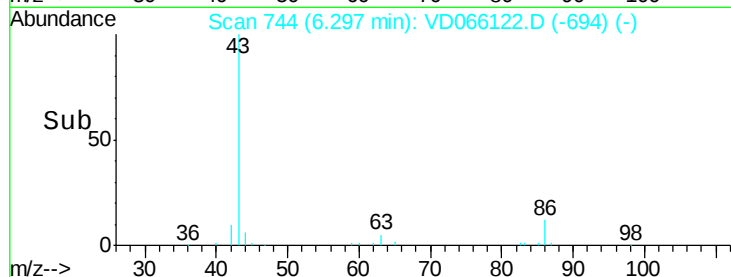


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 5.225 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

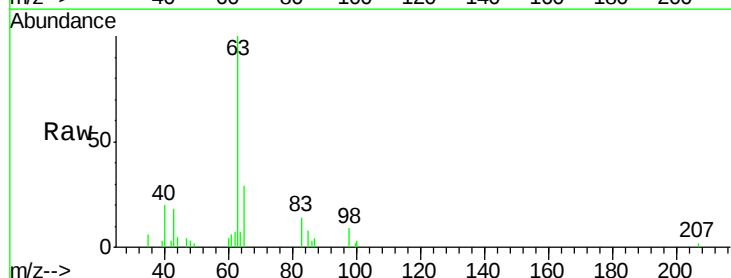
Tgt Ion: 63 Resp: 29959

Ion Ratio Lower Upper

63 100

98 9.4 3.5 10.5

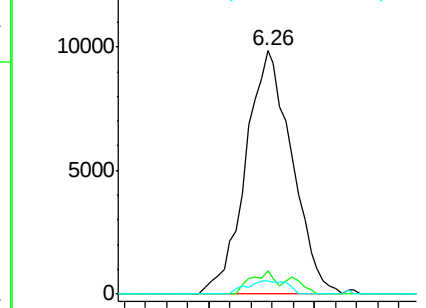
100 5.2 2.4 7.2



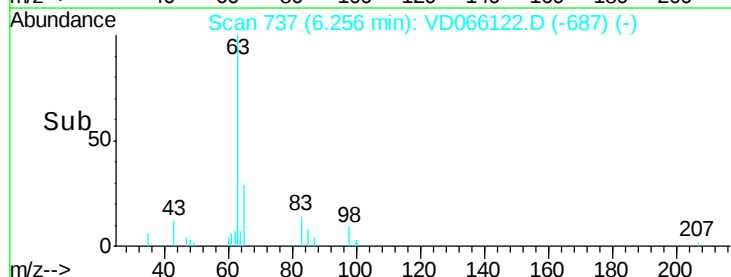
Abundance Ion 62.90 (62.60 to 63.60): VDC

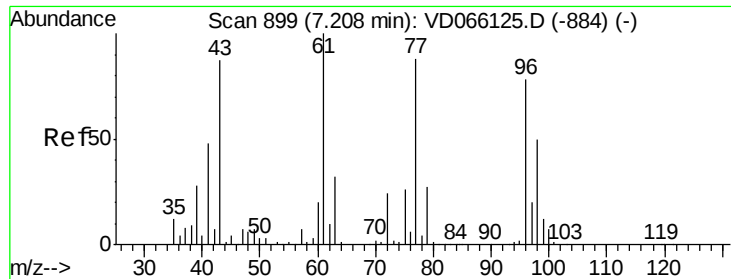
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.20 6.30





#25

2-Butanone

Concen: 26.425 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23012

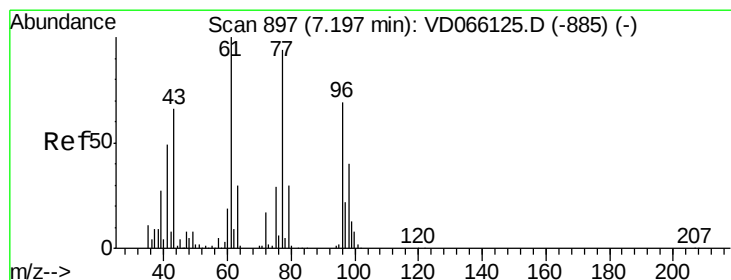
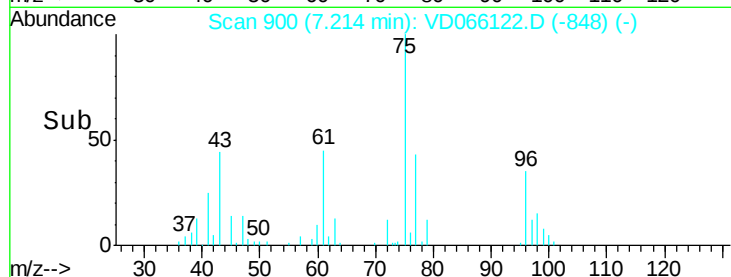
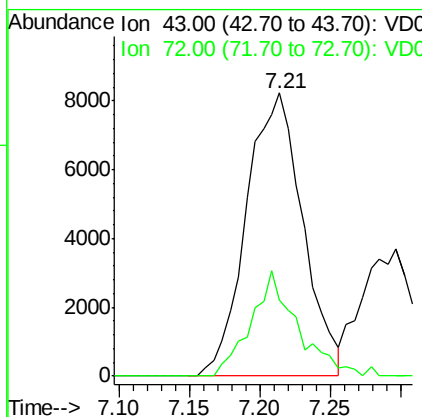
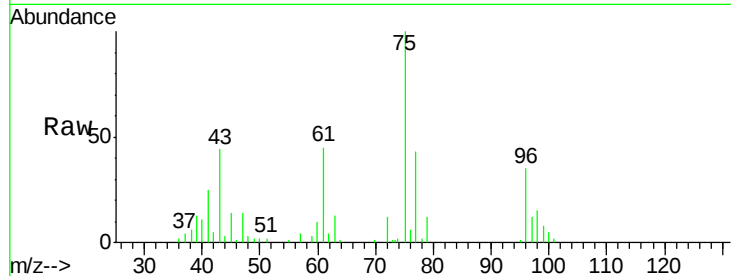
Ion Ratio Lower Upper

43 100

72 26.8 22.2 33.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#26

2,2-Dichloropropane

Concen: 5.405 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066122.D

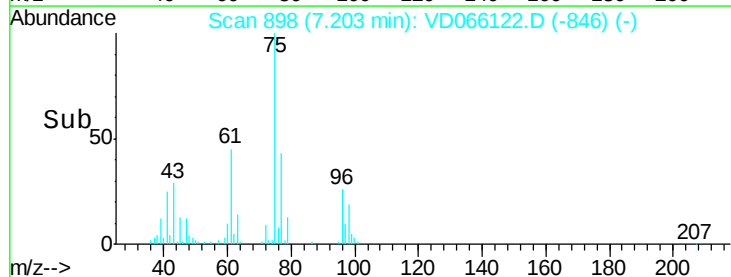
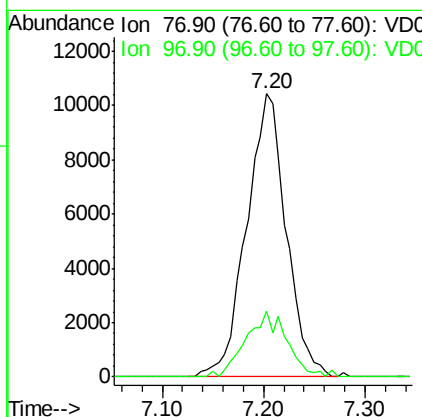
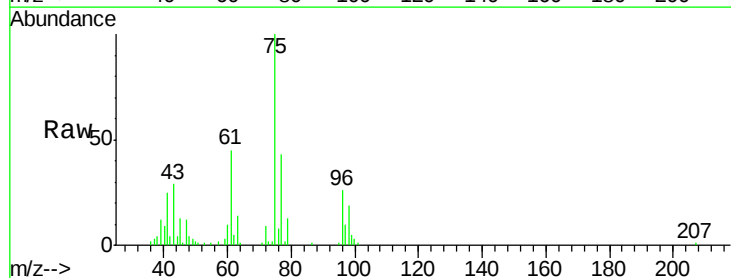
Acq: 05 Aug 2020 10:35

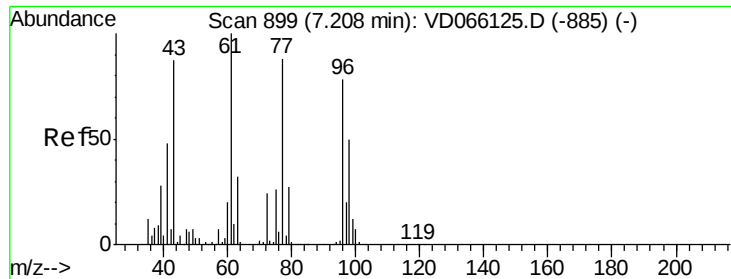
Tgt Ion: 77 Resp: 28370

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

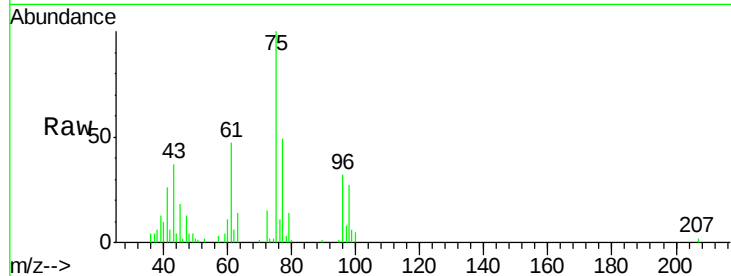
cis-1,2-Dichloroethene
 Concen: 5.103 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

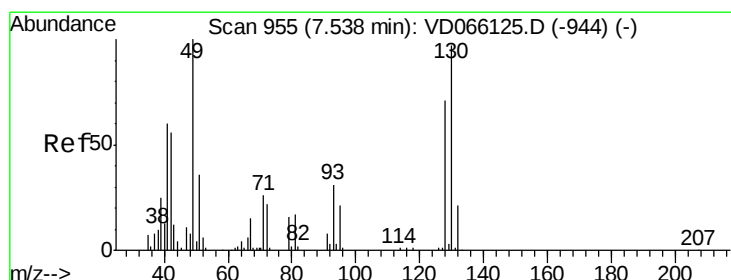
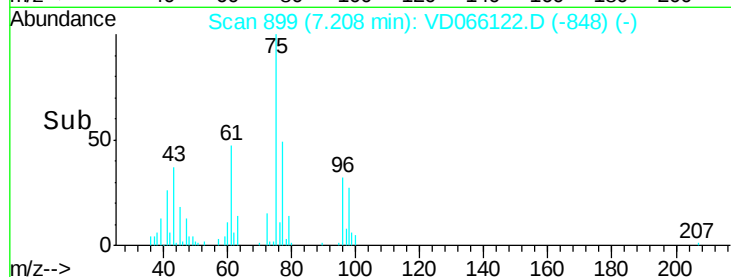
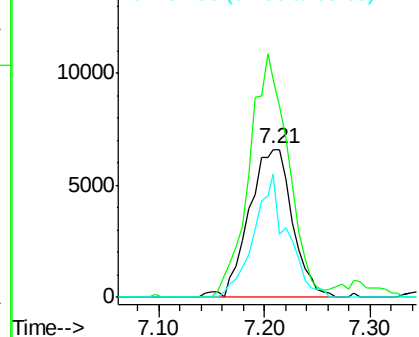
Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	281.6
98	64.4	0.0	130.8

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:12 PM



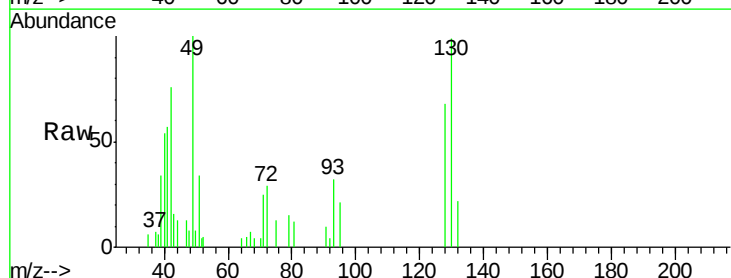
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



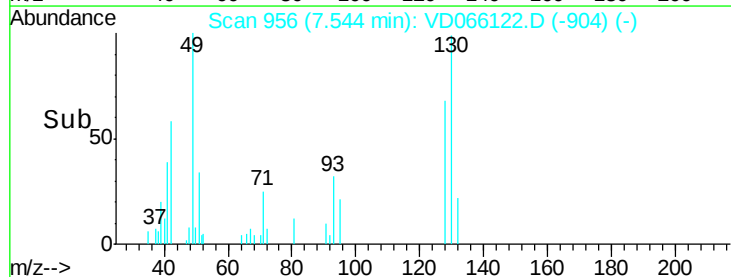
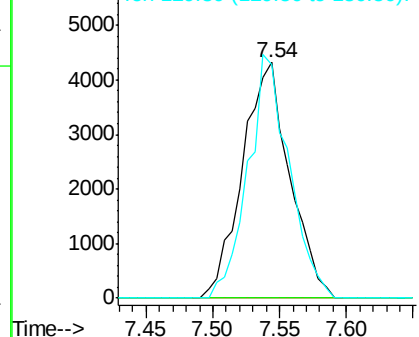
#28

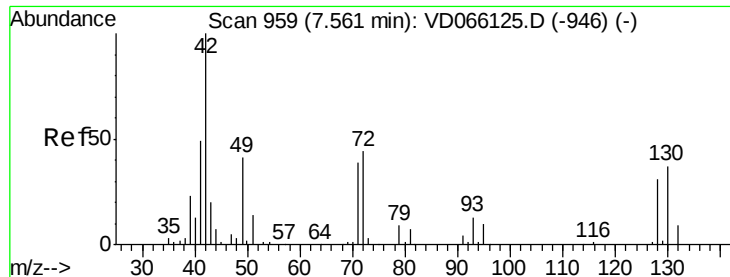
Bromochloromethane
 Concen: 5.298 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.0
130	89.5	73.8	110.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





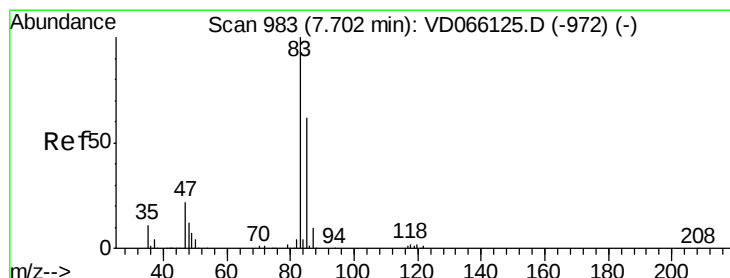
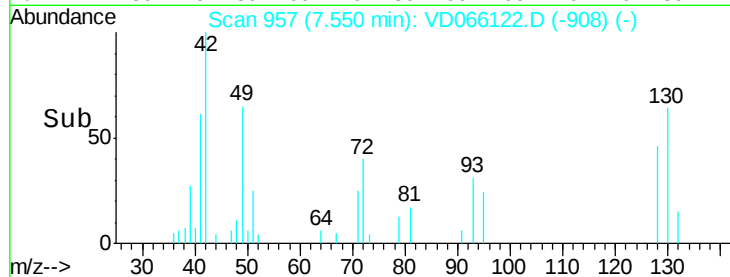
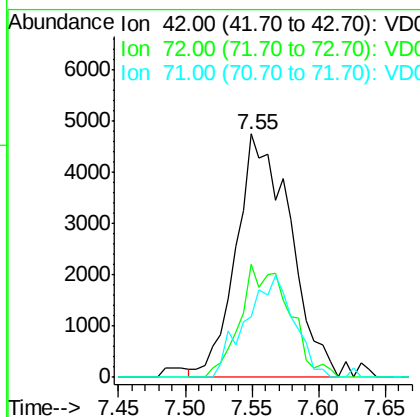
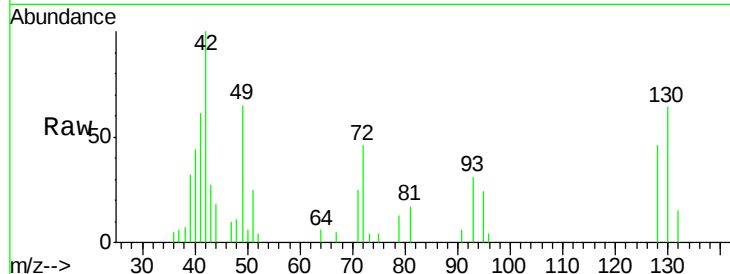
#29
Tetrahydrofuran
Concen: 25.176 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	13326
Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.8	52.2
71	37.4	33.5	50.3

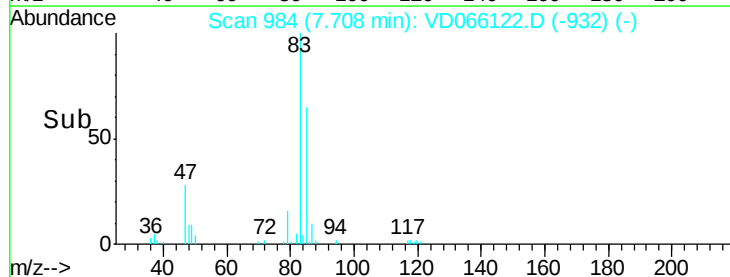
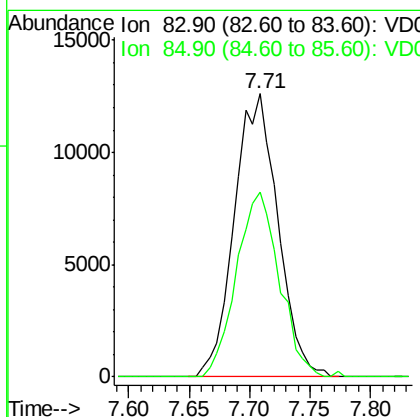
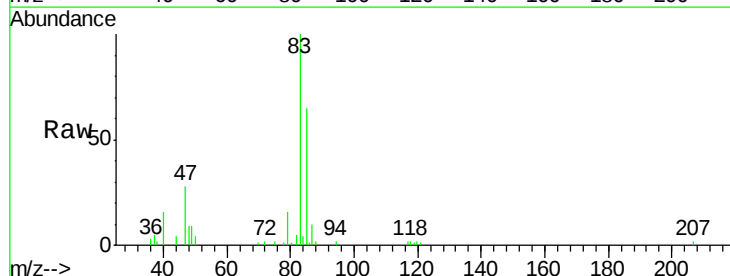
Manual Integrations
APPROVED

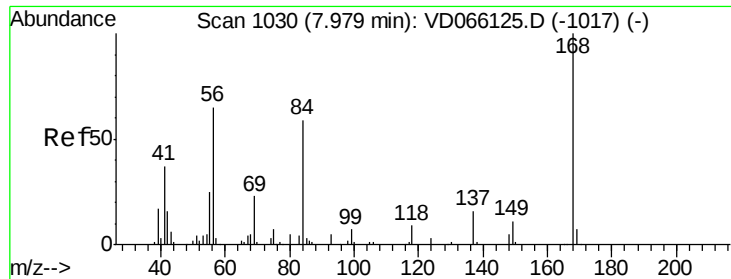
MMDadoda
8/6/2020 1:54:12 PM



#30
Chloroform
Concen: 5.242 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion:	83	Resp:	31638
Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.5	74.3





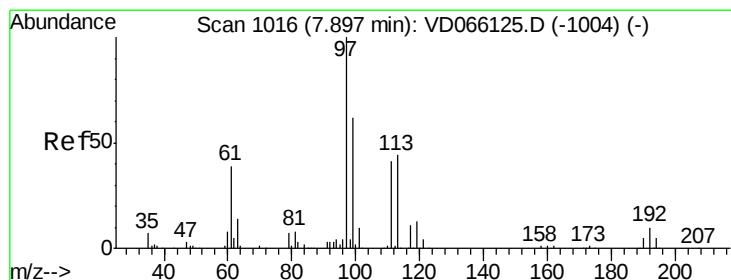
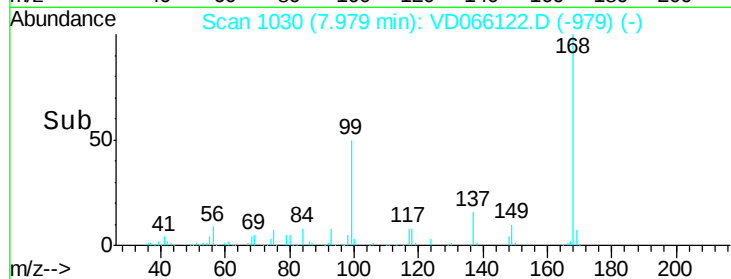
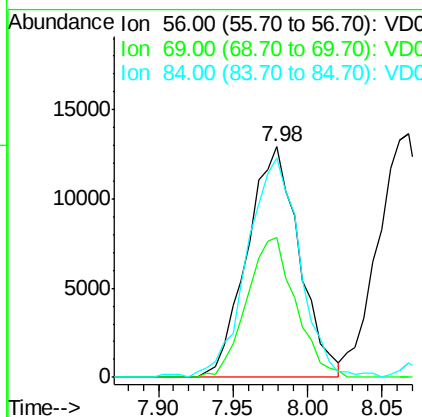
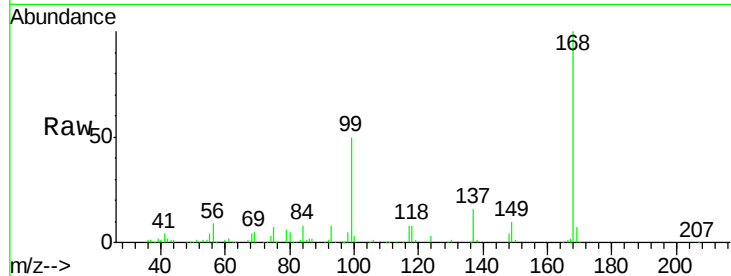
#31
Cyclohexane
Concen: 5.603 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	61.0	28.8	43.2#
84	95.1	73.0	109.6

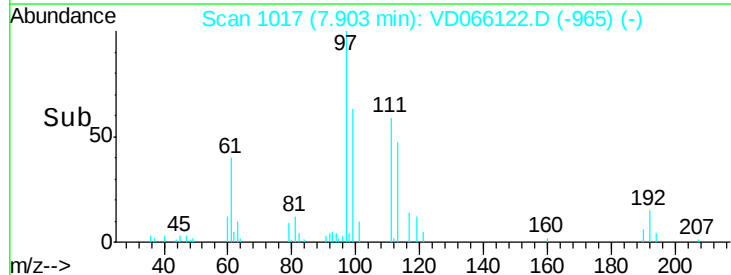
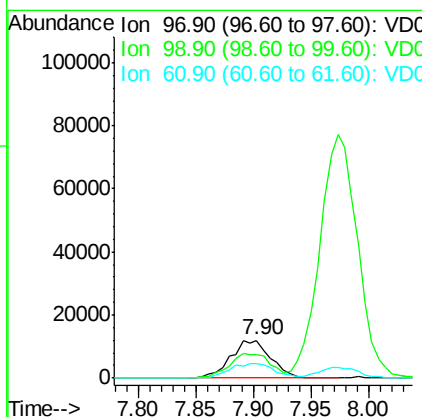
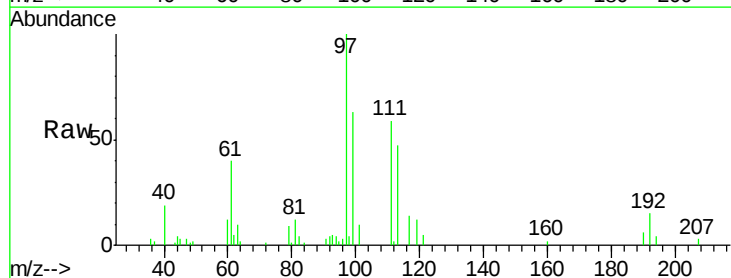
Manual Integrations
APPROVED

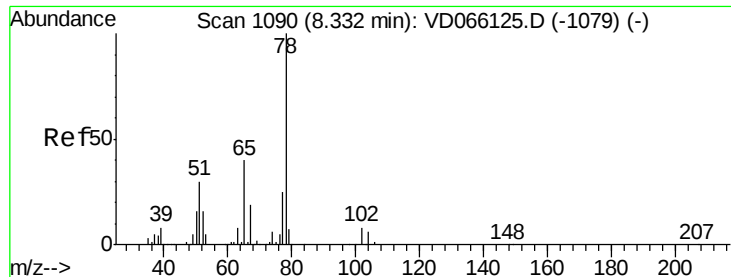
MMDadoda
8/6/2020 1:54:12 PM



#32
1,1,1-Trichloroethane
Concen: 5.110 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.1	76.7
61	42.2	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 5.553 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 16998

Ion Ratio Lower Upper

65 100

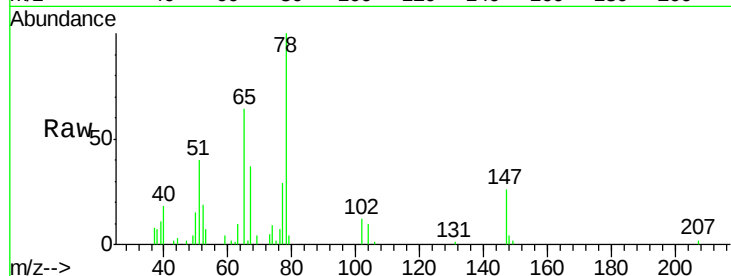
67 55.4 0.0 104.6

Manual Integrations

APPROVED

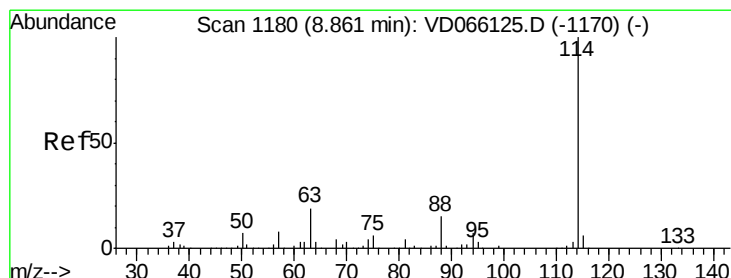
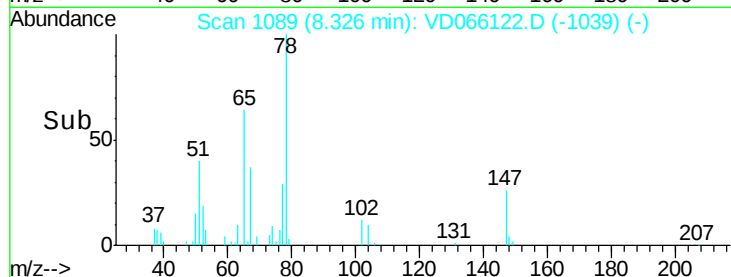
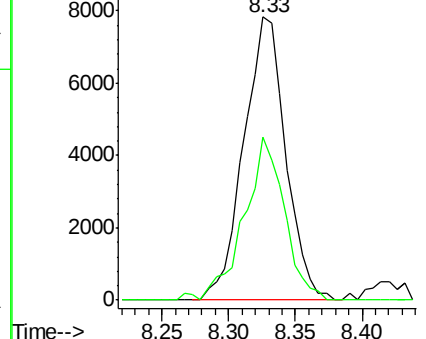
MMDadoda

8/6/2020 1:54:12 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

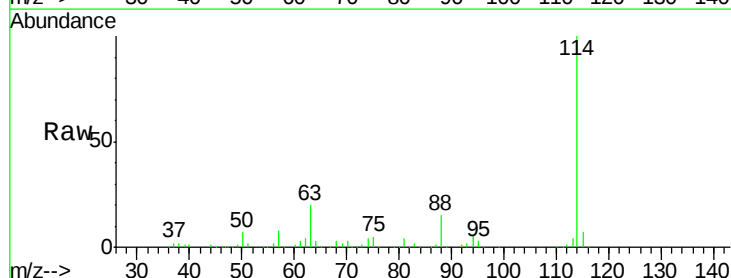
Tgt Ion: 114 Resp: 504038

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.6

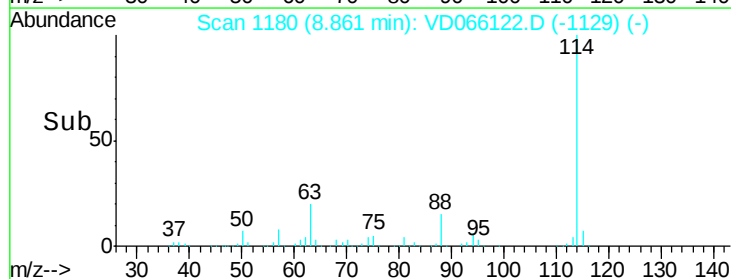
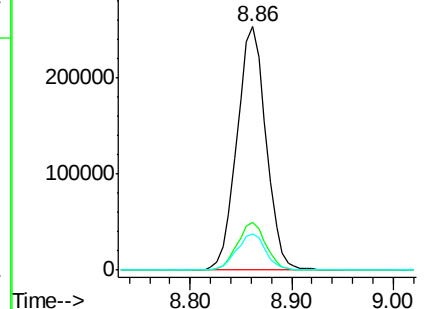
88 14.9 0.0 30.0

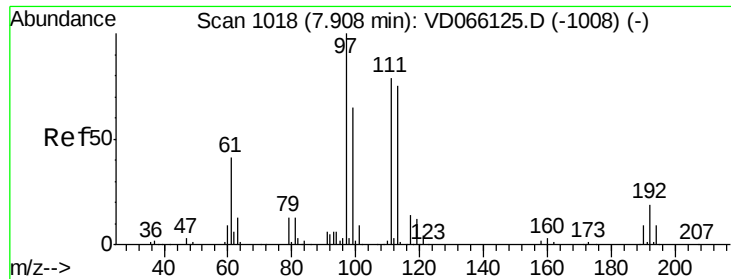


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





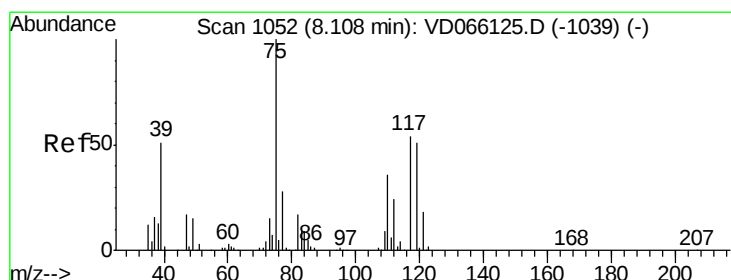
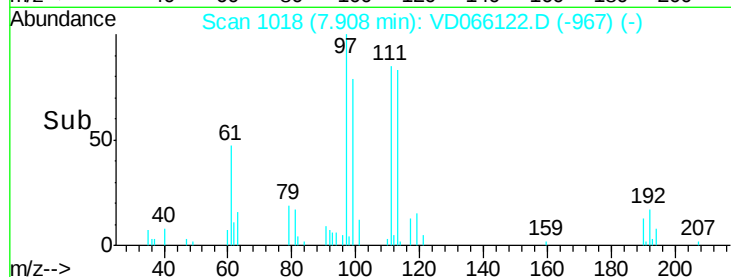
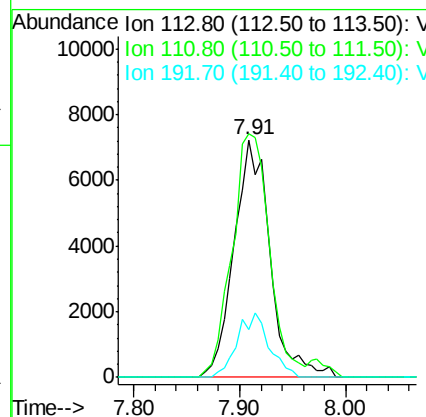
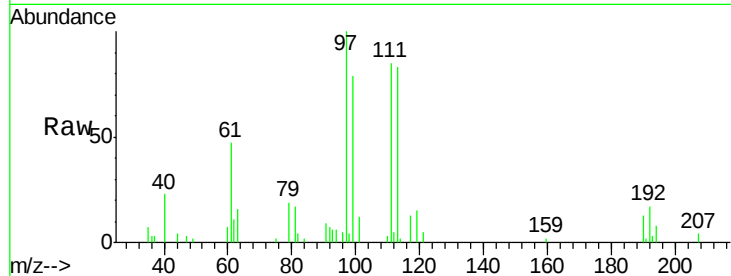
#35
 Dibromofluoromethane
 Concen: 5.311 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	17113		
111	106.0	80.7	121.1	
192	23.7	18.4	27.6	

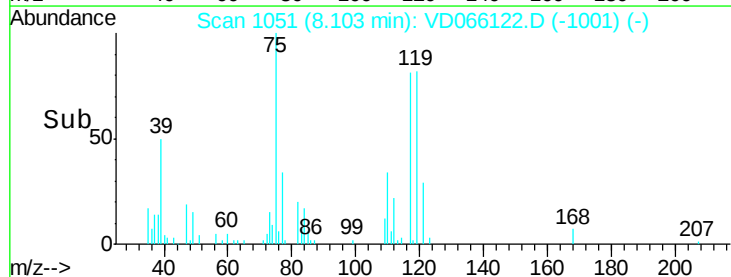
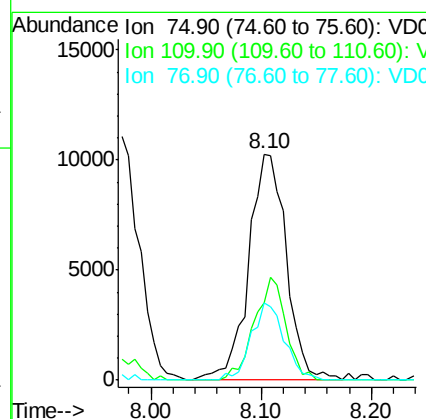
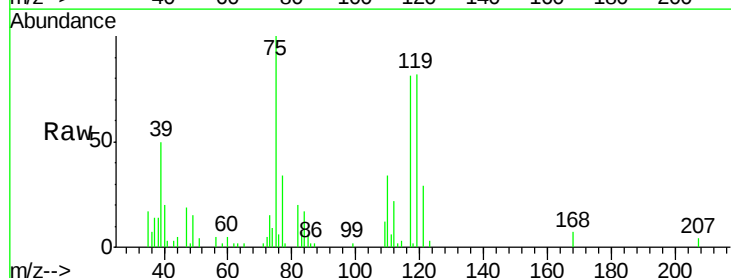
Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:12 PM



#36
 1,1-Dichloropropene
 Concen: 5.053 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24581		
110	38.0	18.8	56.3	
77	30.3	24.2	36.2	





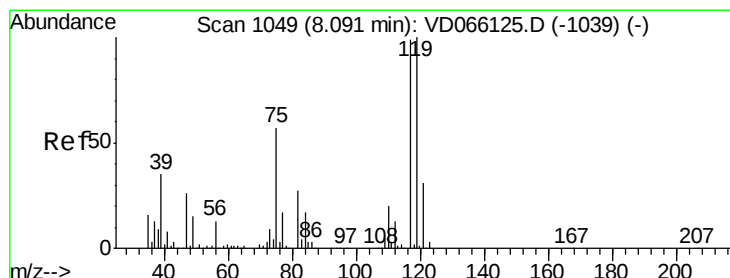
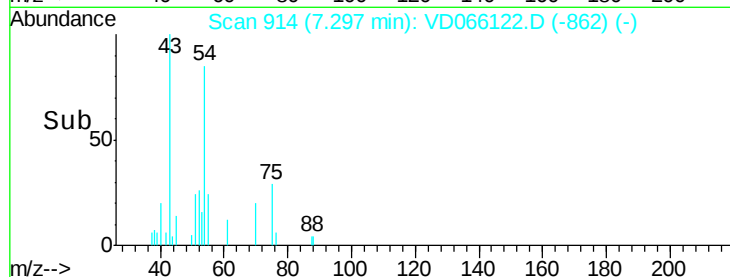
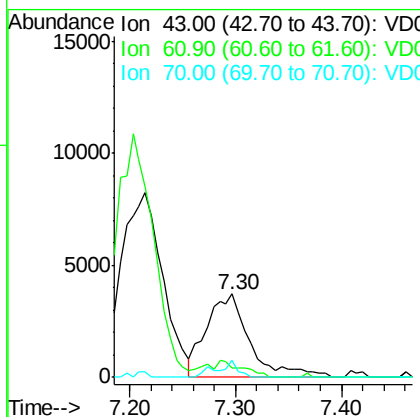
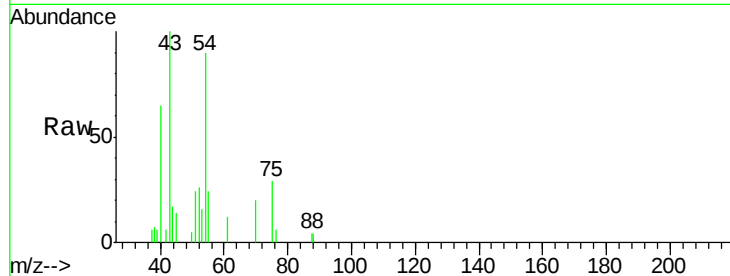
#37
Ethyl Acetate
Concen: 5.631 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	12.0	18.0
70	9.4	9.7	14.5#

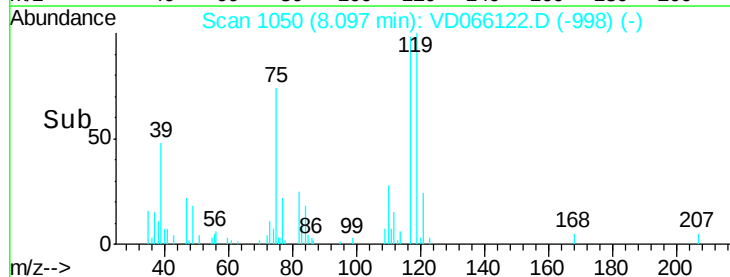
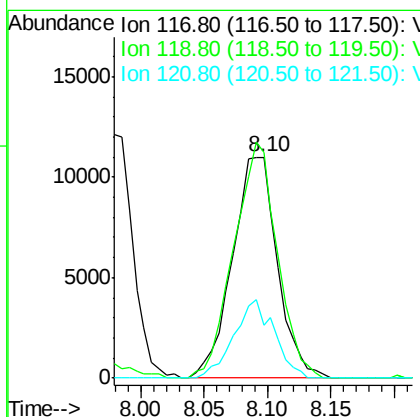
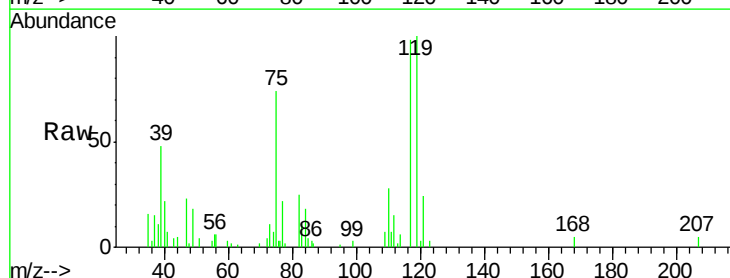
Manual Integrations
APPROVED

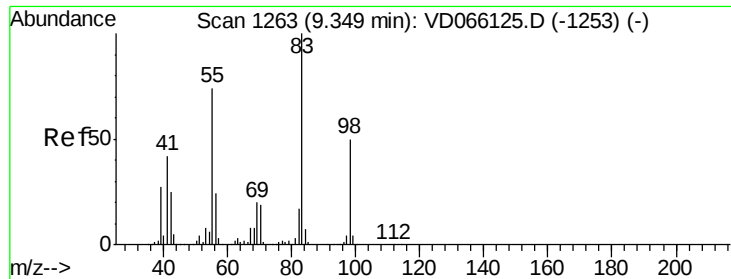
MMDadoda
8/6/2020 1:54:12 PM



#38
Carbon Tetrachloride
Concen: 5.028 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.3	81.0	121.4
121	24.1	24.8	37.2#





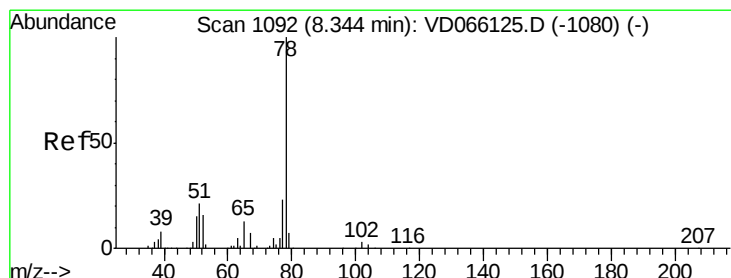
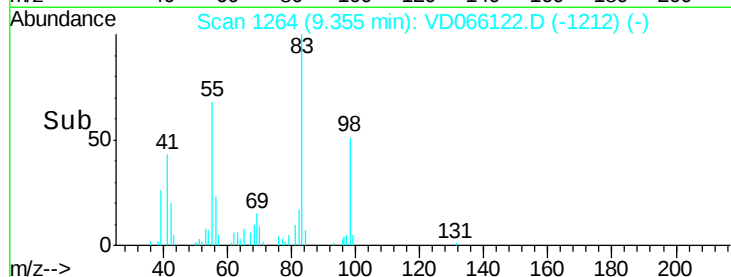
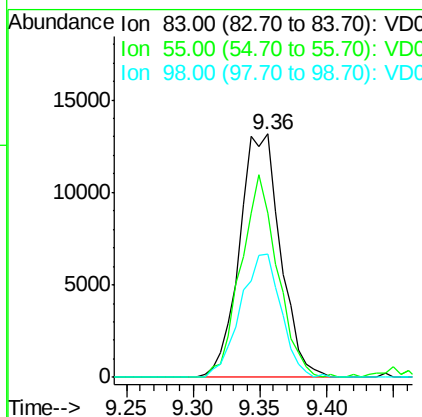
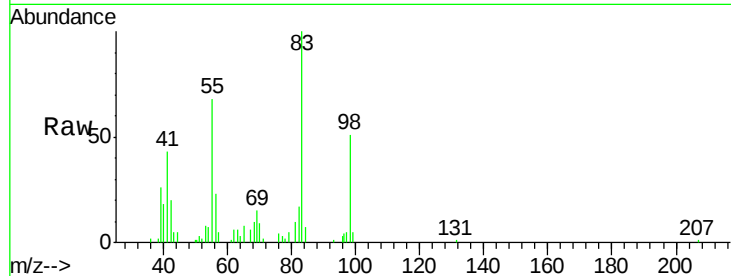
#39
Methvlcvclohexane
Concen: 4.854 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	28024
Ion Ratio	Lower	Upper	
83	100		
55	67.5	59.2	88.8
98	50.6	39.8	59.6

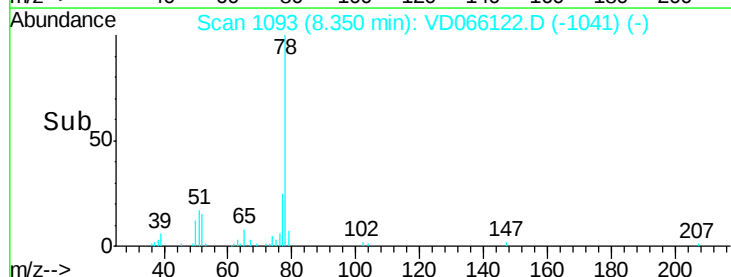
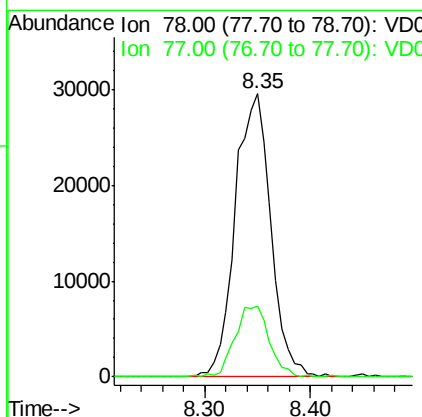
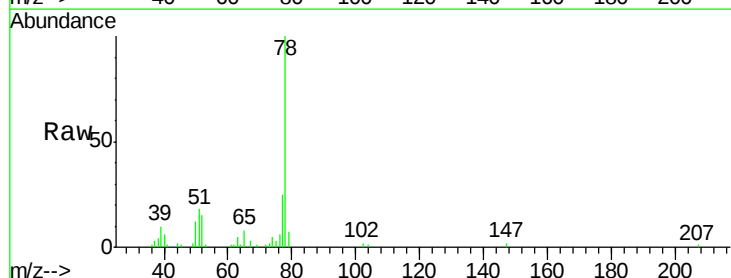
Manual Integrations
APPROVED

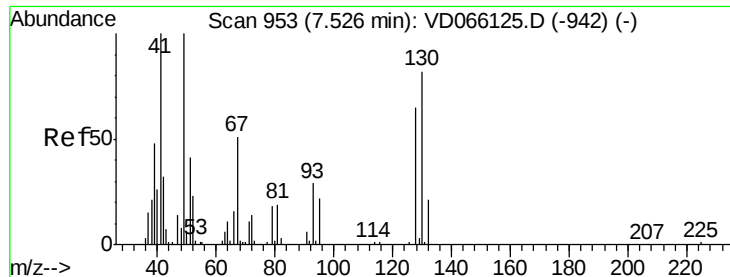
MMDadoda
8/6/2020 1:54:12 PM



#40
Benzene
Concen: 5.098 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	78	Resp	68827
Ion Ratio	Lower	Upper	
78	100		
77	25.1	18.6	27.8





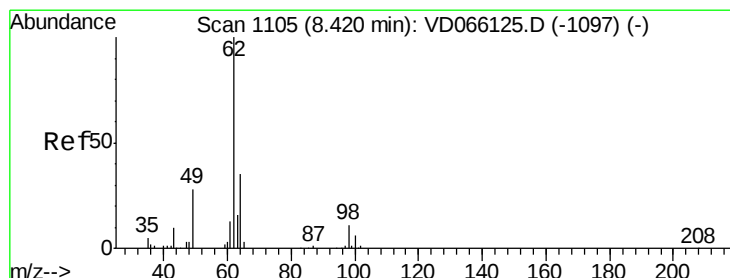
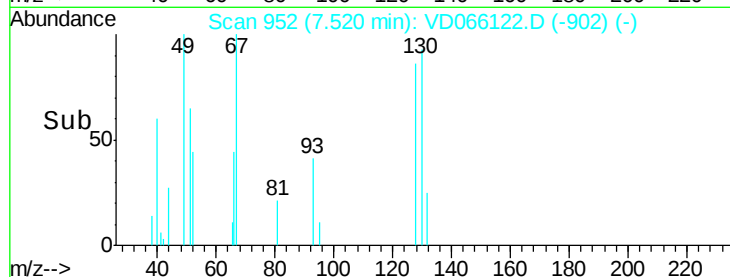
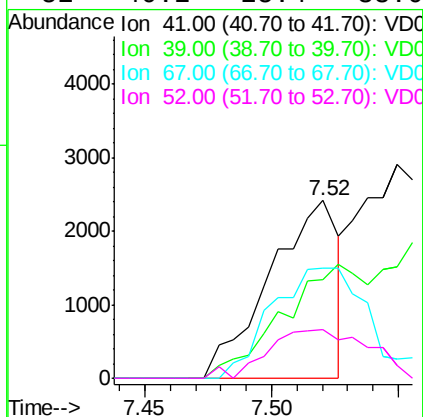
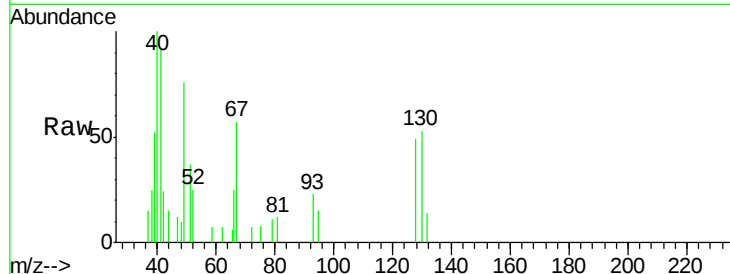
#41
Methacrylonitrile
Concen: 4.253 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4575
Ion	Ratio	Lower	Upper
41	100		
39	77.1	47.5	71.3#
67	85.6	59.1	88.7
52	40.2	25.4	38.0#

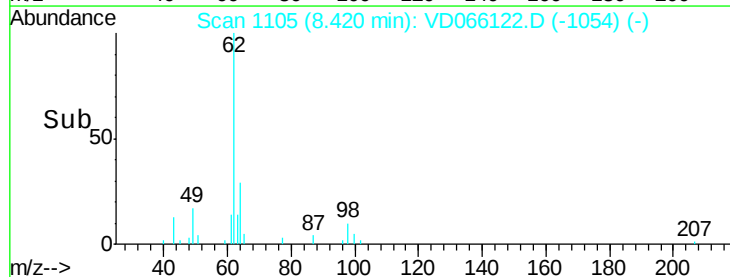
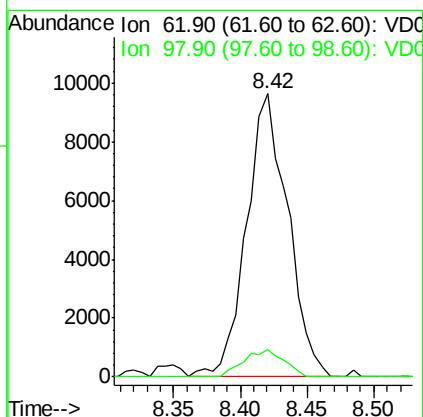
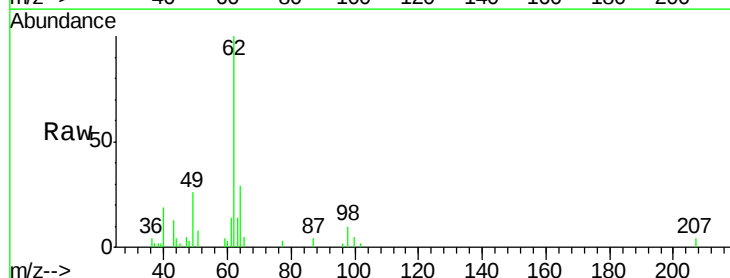
Manual Integrations
APPROVED

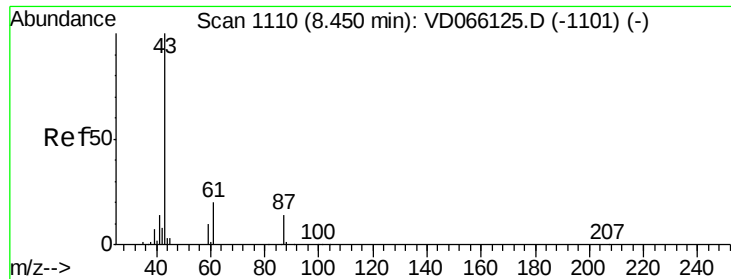
MMDadoda
8/6/2020 1:54:12 PM



#42
1,2-Dichloroethane
Concen: 5.230 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion:	62	Resp:	20620
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.4





#43

Isopropyl Acetate

Concen: 4.825 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

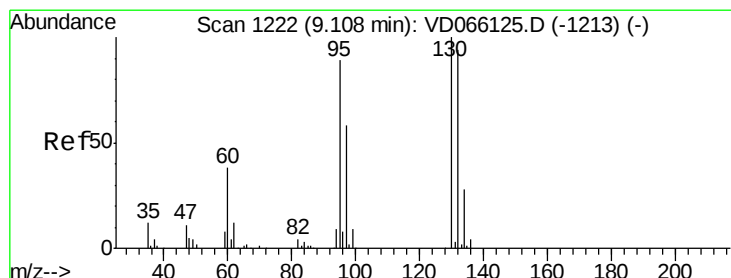
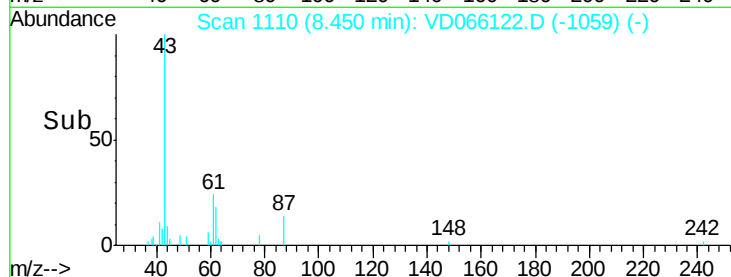
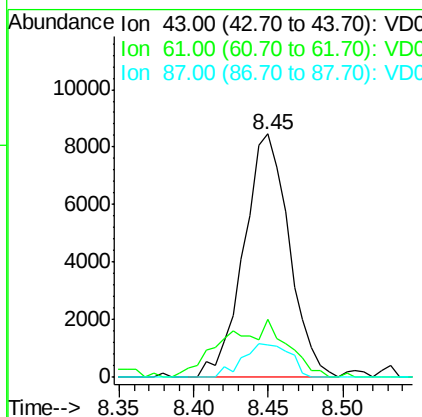
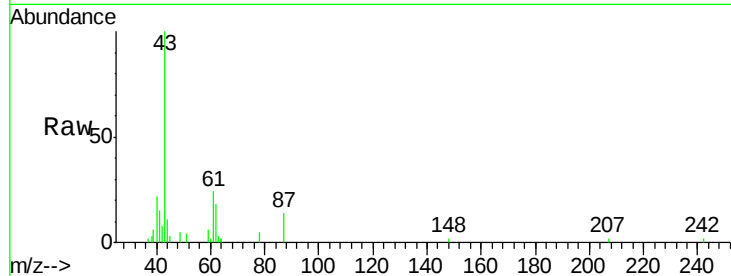
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	17800
Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.5	38.3#
87	14.6	11.2	16.8

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#44

Trichloroethene

Concen: 4.969 ug/l

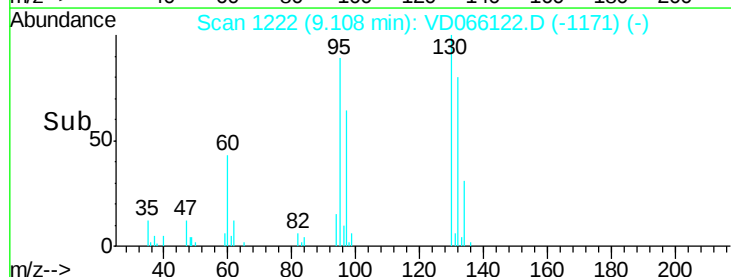
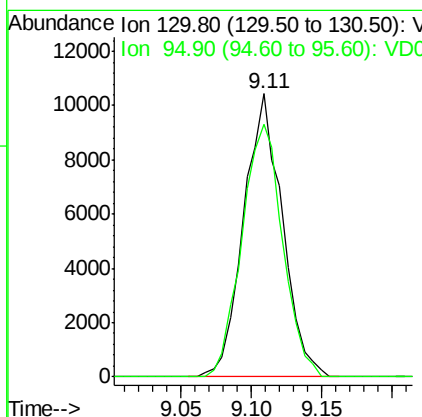
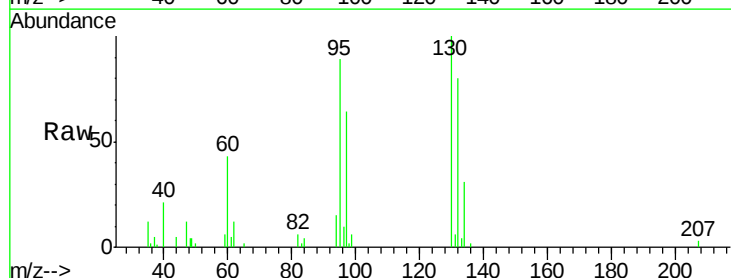
RT: 9.11 min Scan# 1222

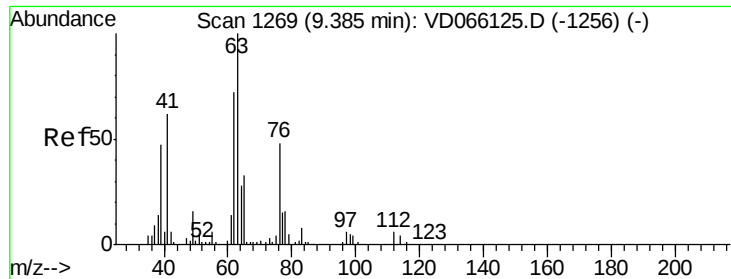
Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Tgt Ion:	130	Resp:	20045
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	178.4





#45

1,2-Dichloropropane

Concen: 5.028 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 16434

Ion Ratio Lower Upper

63 100

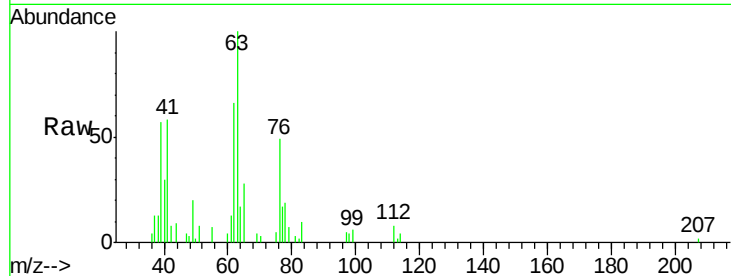
65 27.9 26.5 39.7

Manual Integrations

APPROVED

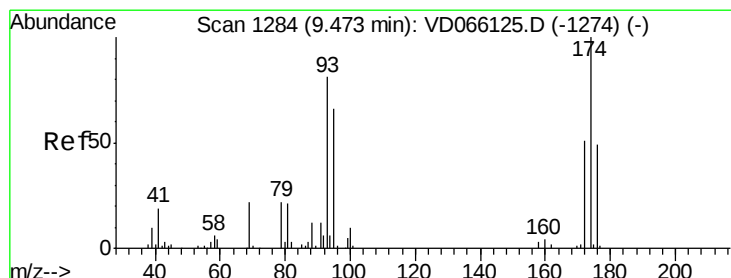
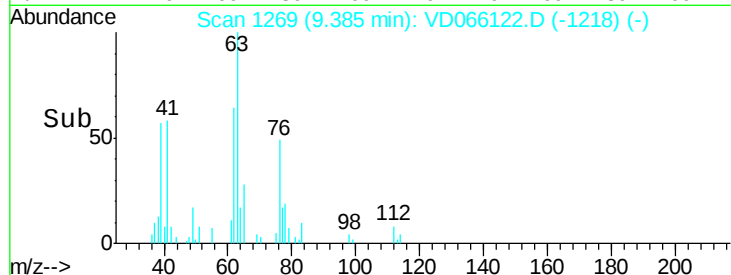
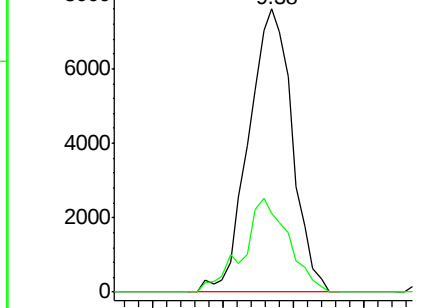
MMDadoda

8/6/2020 1:54:12 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.719 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

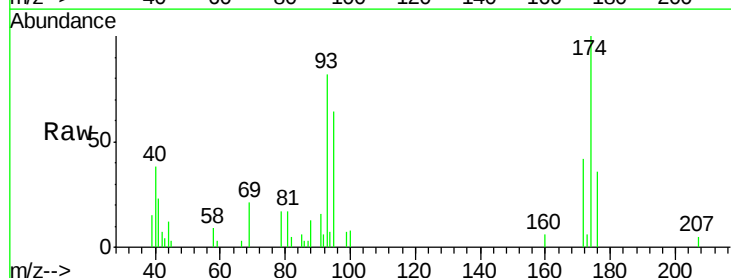
Tgt Ion: 93 Resp: 8480

Ion Ratio Lower Upper

93 100

95 92.4 65.8 98.6

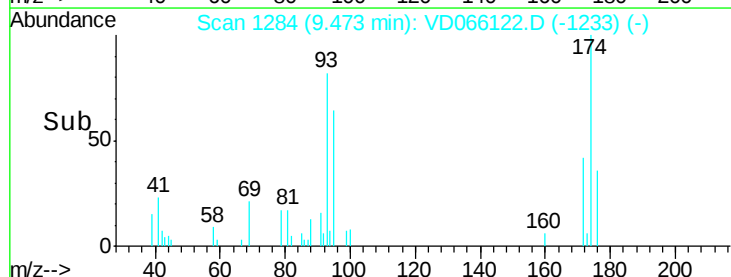
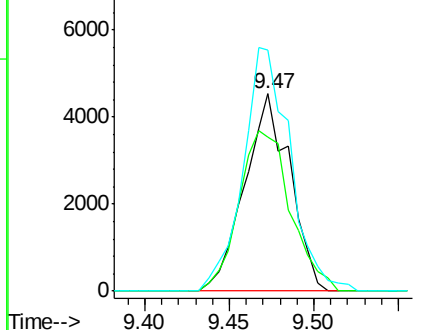
174 127.9 92.8 139.2

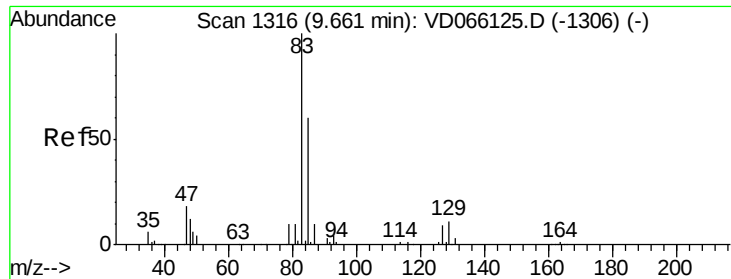


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





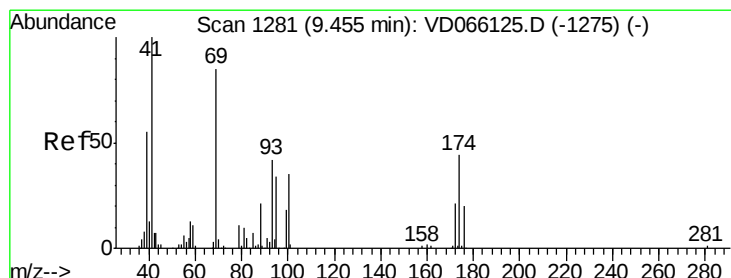
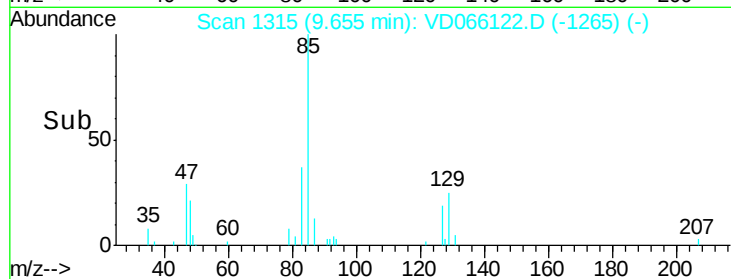
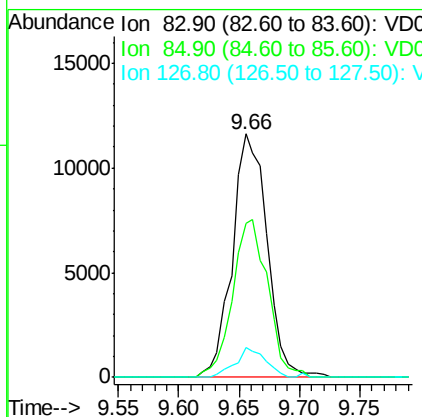
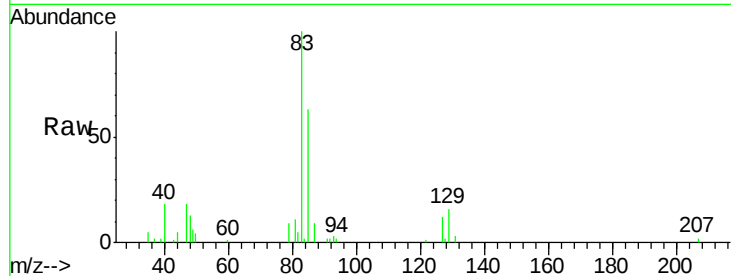
#47
Bromodichloromethane
Concen: 4.913 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	48.2	72.4
127	12.1	7.3	10.9

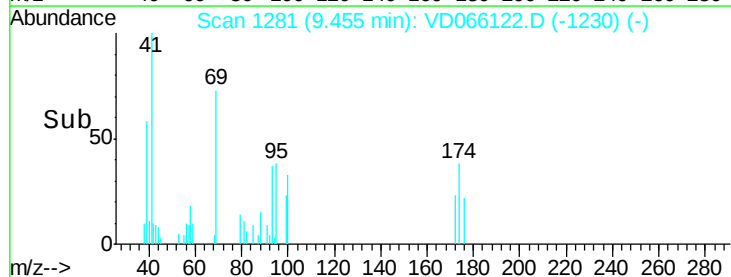
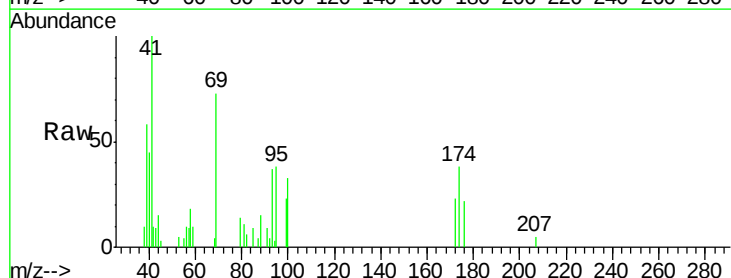
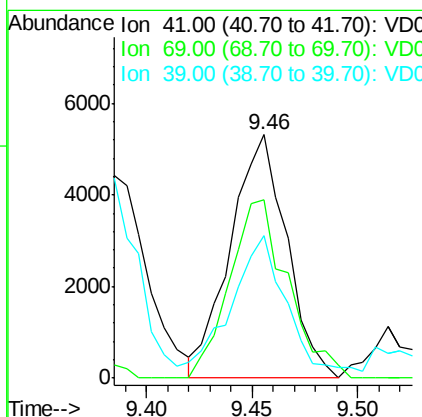
Manual Integrations
APPROVED

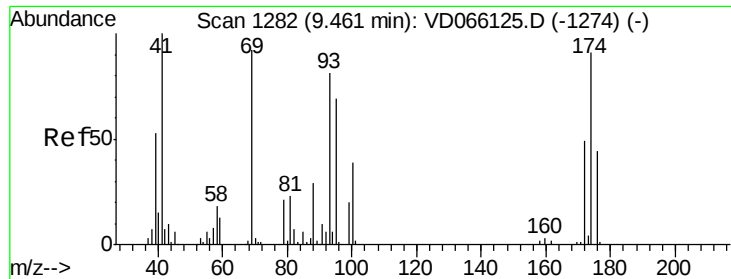
MMDadoda
8/6/2020 1:54:12 PM



#48
Methyl methacrylate
Concen: 5.042 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.0	63.9	95.9
39	58.8	42.6	64.0





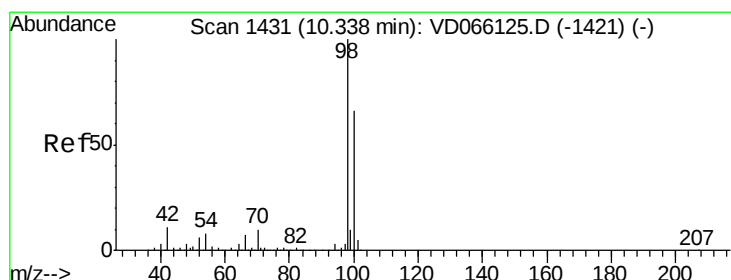
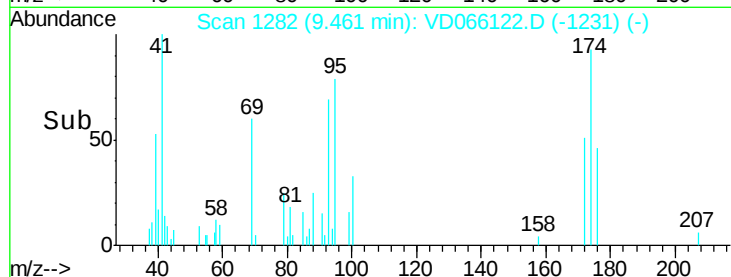
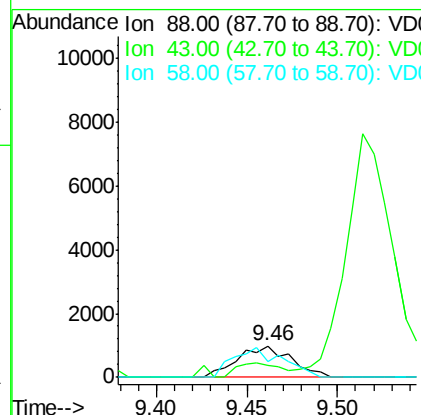
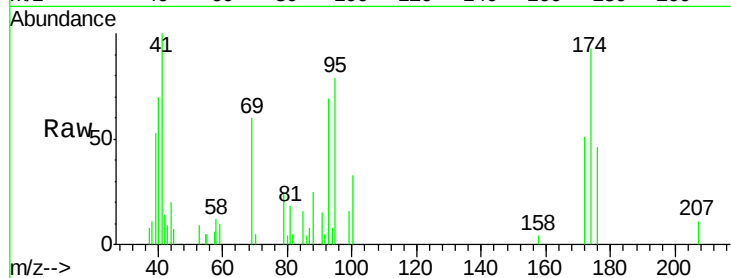
#49
1,4-Dioxane
Concen: 87.822 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	27.5	41.3
58	87.6	50.2	75.4

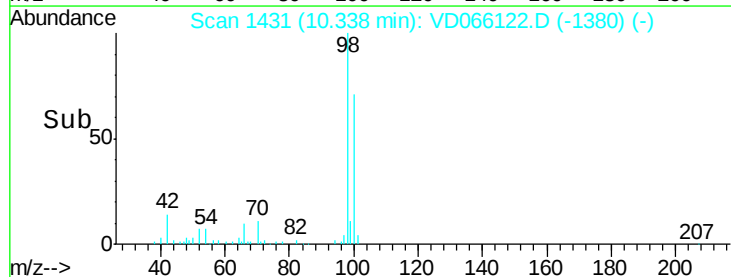
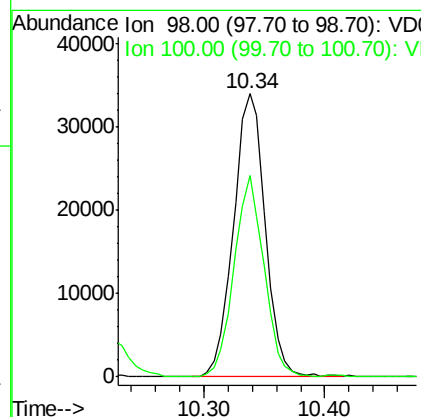
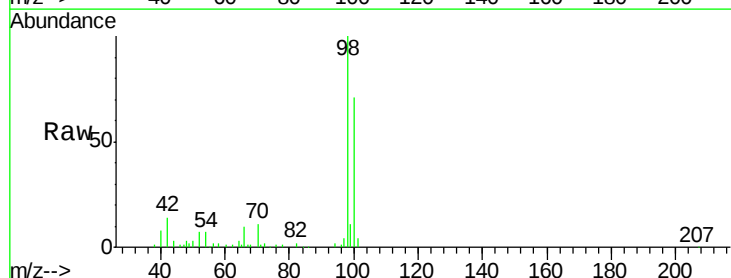
Manual Integrations
APPROVED

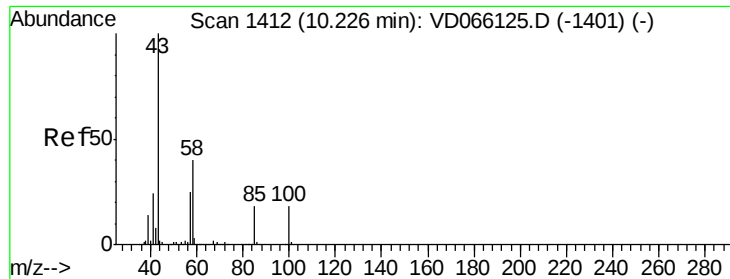
MMDadoda
8/6/2020 1:54:12 PM



#50
Toluene-d8
Concen: 5.279 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 24.339 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 46793

Ion Ratio Lower Upper

43 100

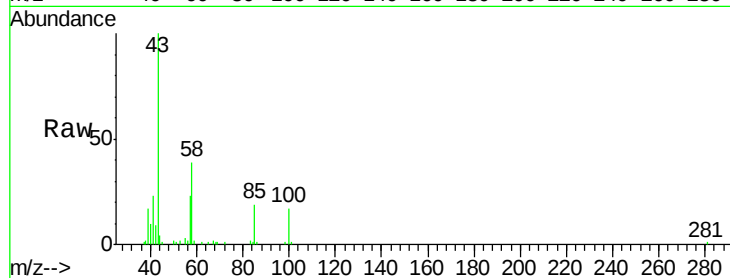
58 38.7 31.1 46.7

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:54:12 PM

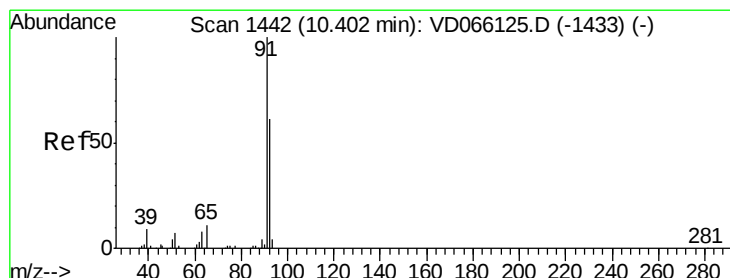
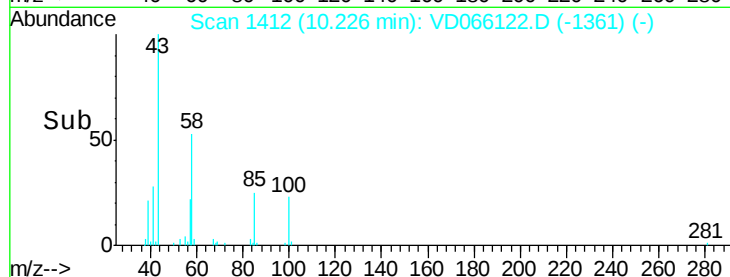


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

Time-->



#52

Toluene

Concen: 4.996 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066122.D

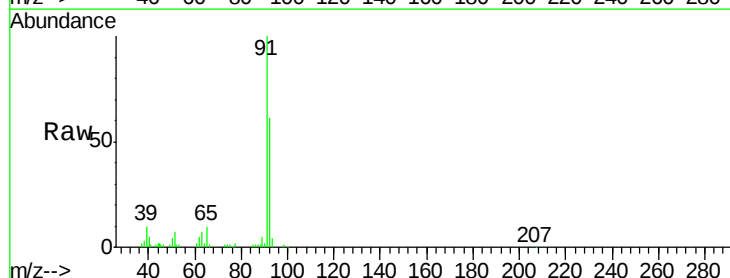
Acq: 05 Aug 2020 10:35

Tgt Ion: 92 Resp: 44146

Ion Ratio Lower Upper

92 100

91 168.3 135.2 202.8

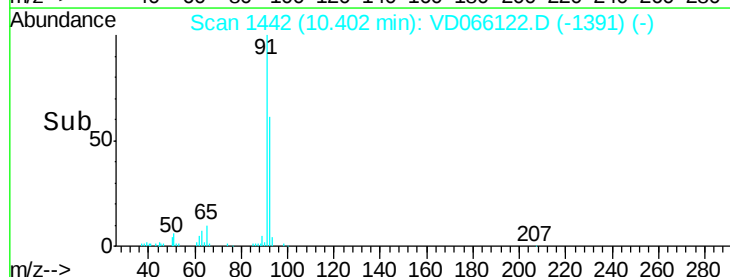


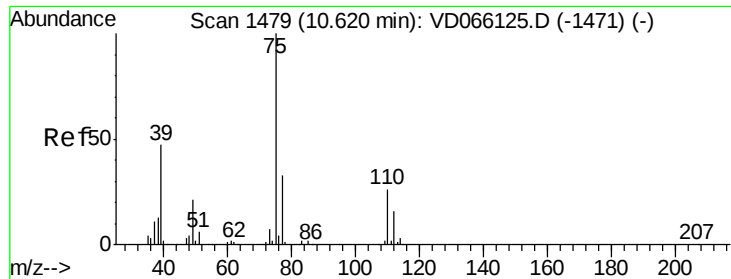
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

Time-->





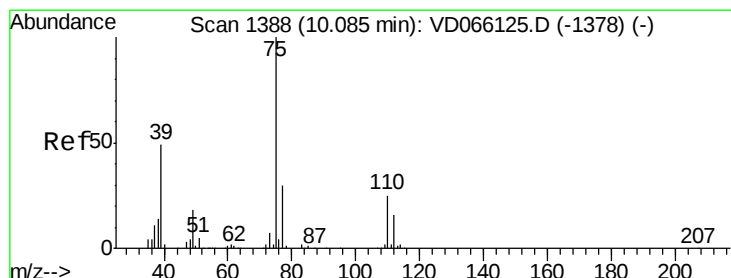
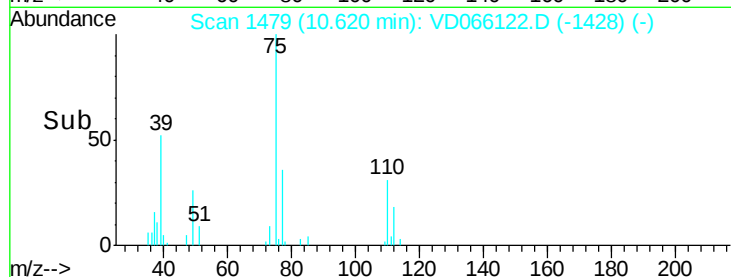
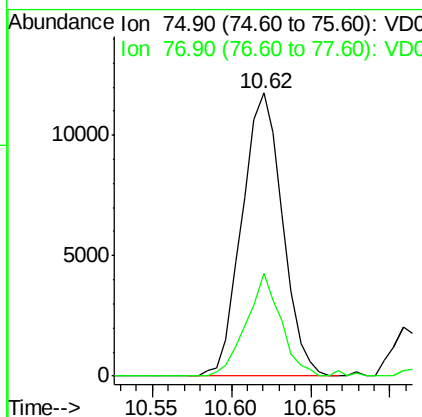
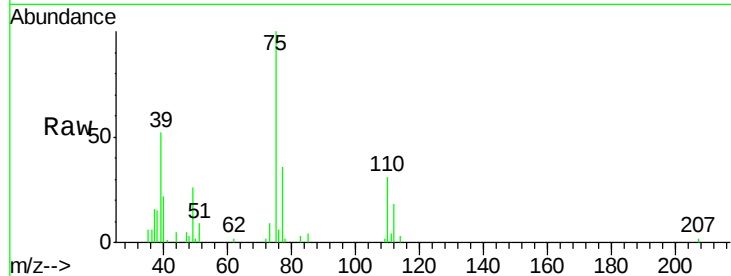
#53
 t-1,3-Dichloropropene
 Concen: 4.687 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 20866
 Ion Ratio Lower Upper
 75 100
 77 36.4 26.2 39.2

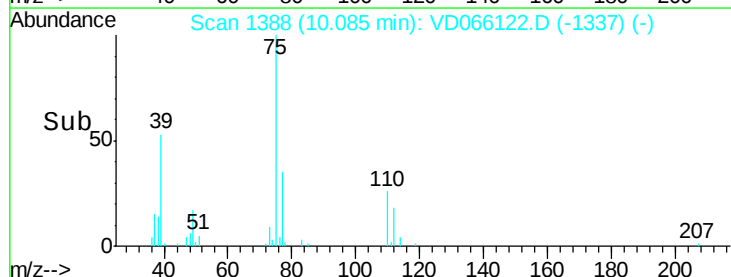
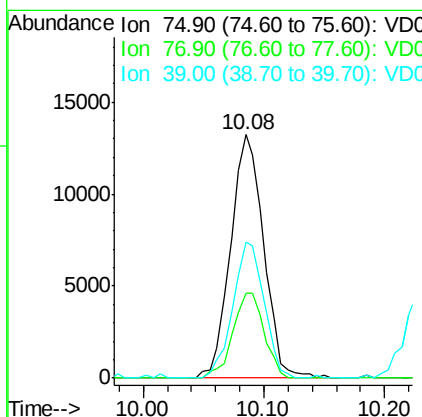
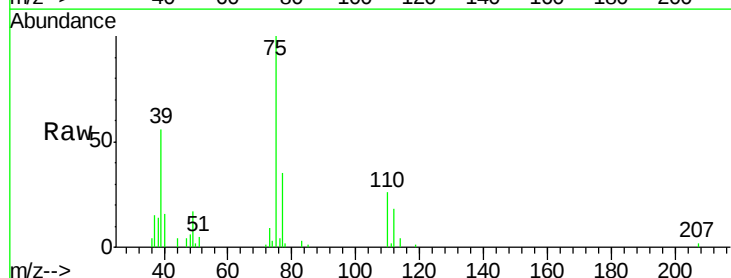
Manual Integrations
 APPROVED

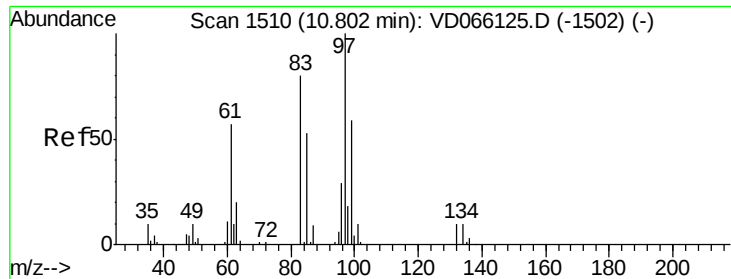
MMDadoda
 8/6/2020 1:54:12 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.845 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion: 75 Resp: 25218
 Ion Ratio Lower Upper
 75 100
 77 35.1 24.3 36.5
 39 55.7 39.3 58.9





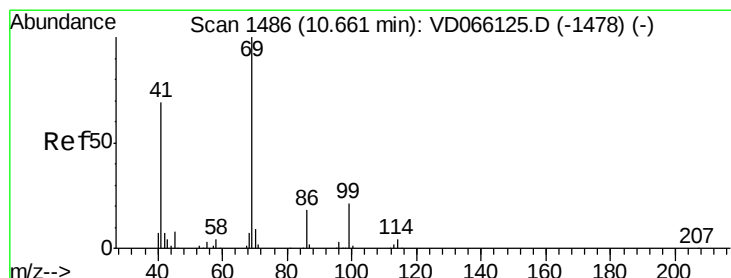
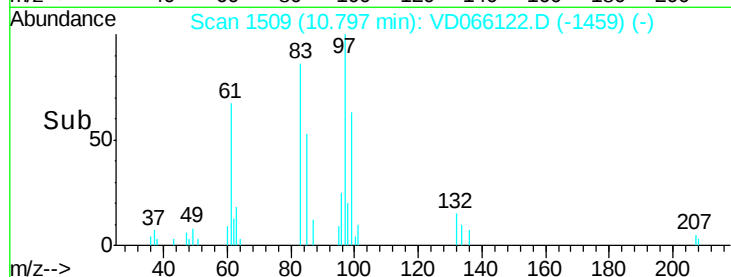
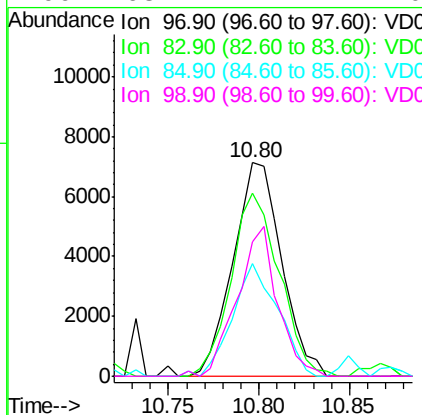
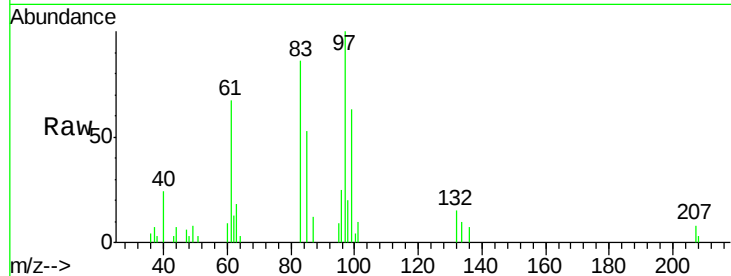
#55
 1,1,2-Trichloroethane
 Concen: 5.094 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	13339
Ion	Ratio	Lower	Upper
97	100		
83	85.5	63.9	95.9
85	50.2	42.5	63.7
99	63.1	47.4	71.0

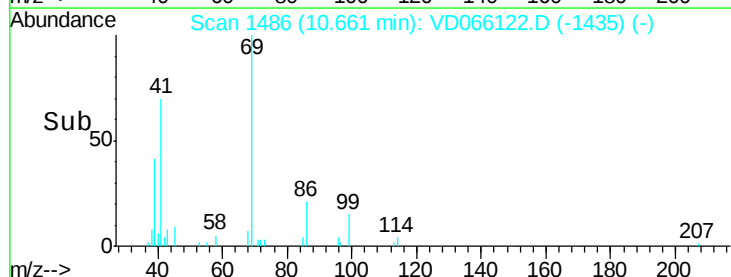
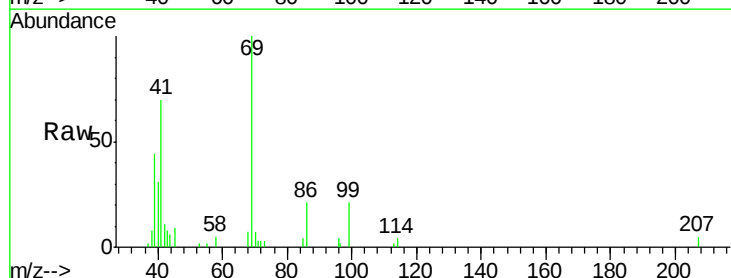
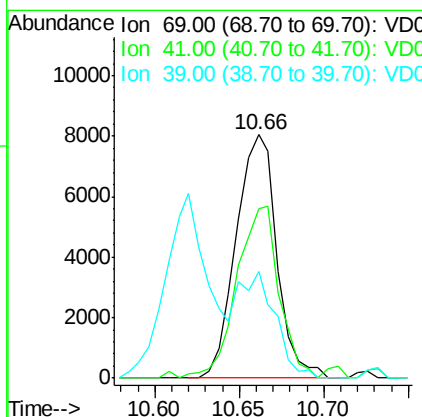
Manual Integrations
 APPROVED

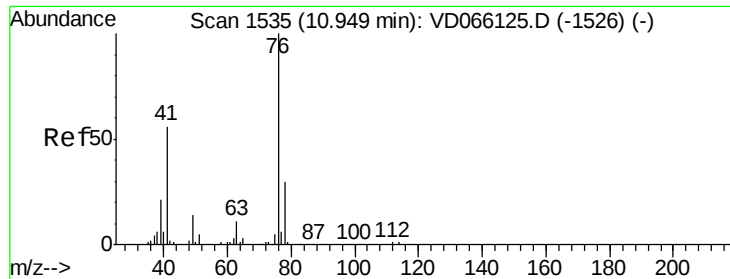
MMDadoda
 8/6/2020 1:54:12 PM



#56
 Ethyl methacrylate
 Concen: 4.492 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion:	69	Resp:	13495
Ion	Ratio	Lower	Upper
69	100		
41	73.4	54.1	81.1
39	39.7	28.6	43.0





#57

1,3-Dichloropropane

Concen: 4.892 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 21067

Ion Ratio Lower Upper

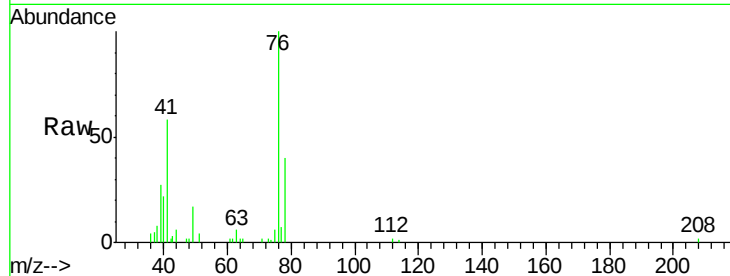
76 100

78 35.0 25.5 38.3

Manual Integrations
APPROVED

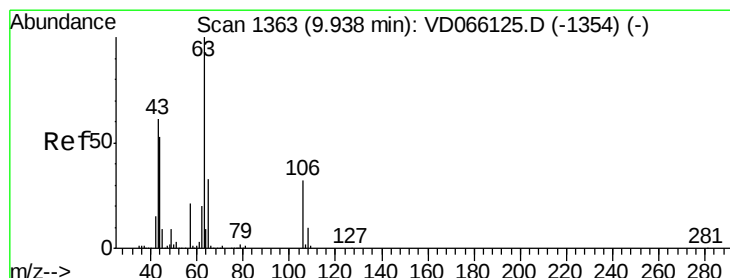
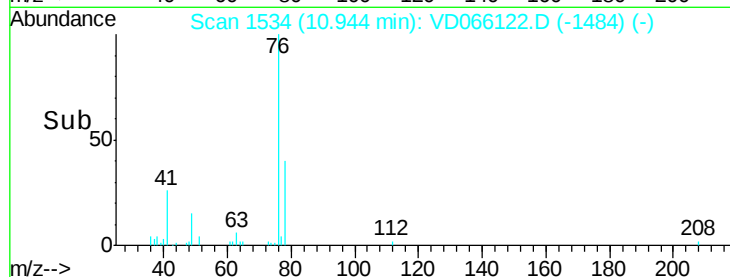
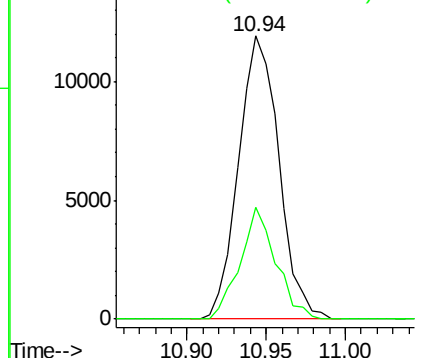
MMDadoda

8/6/2020 1:54:12 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 22.769 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066122.D

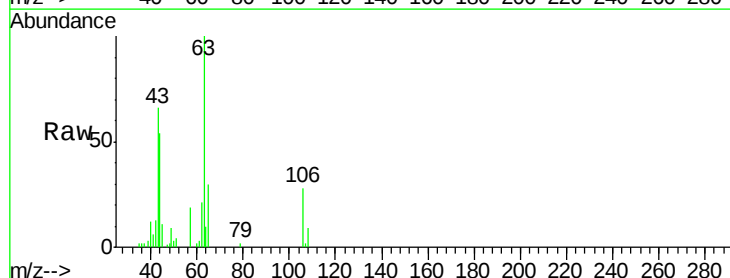
Acq: 05 Aug 2020 10:35

Tgt Ion: 63 Resp: 31119

Ion Ratio Lower Upper

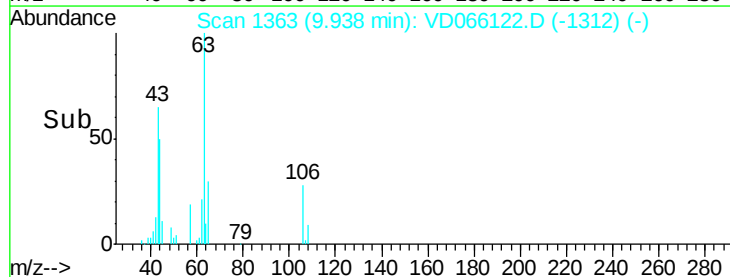
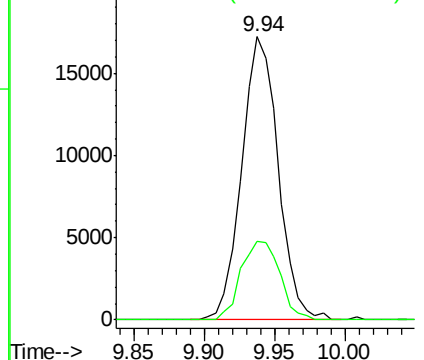
63 100

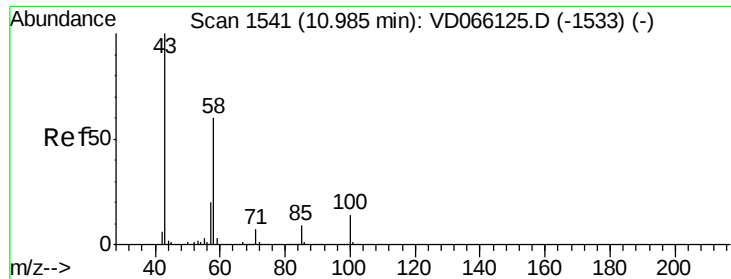
106 29.7 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





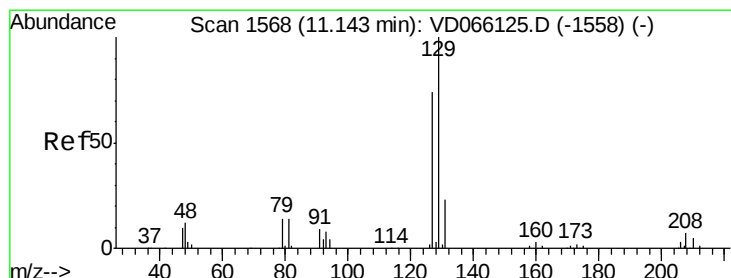
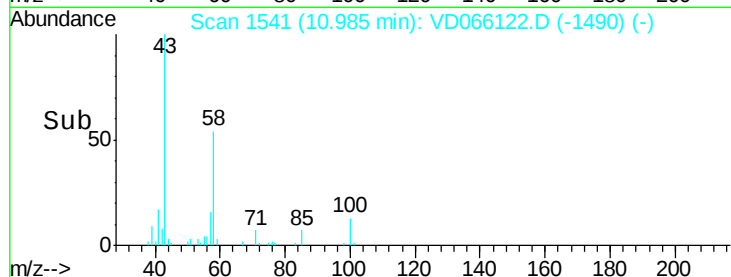
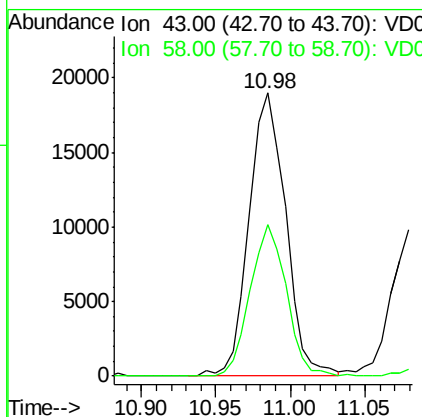
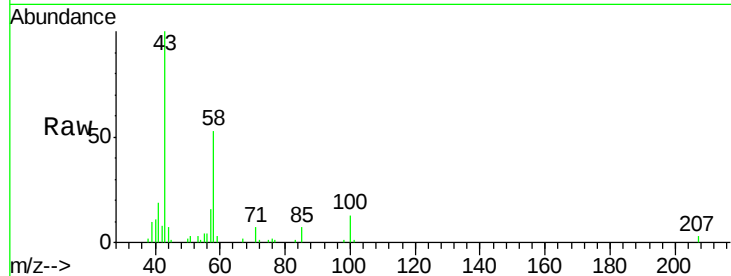
#59
2-Hexanone
Concen: 23.922 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 32161
Ion Ratio Lower Upper
43 100
58 53.0 27.8 83.4

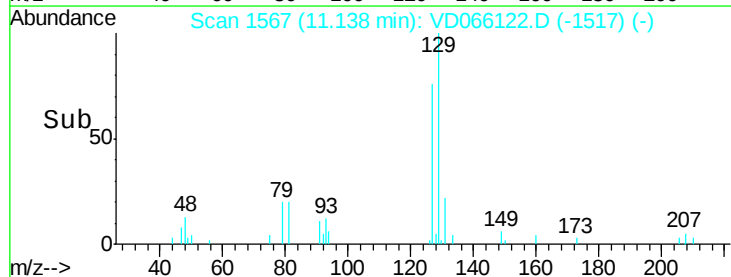
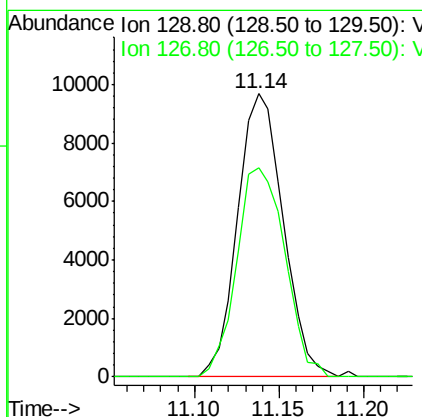
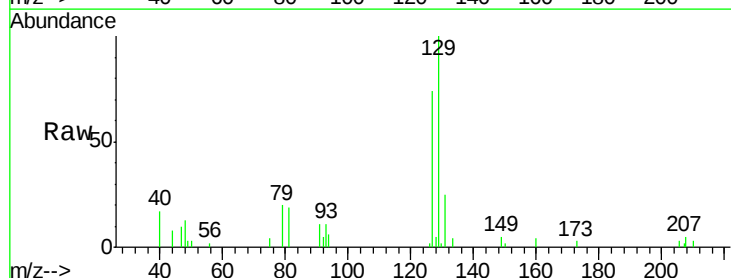
Manual Integrations
APPROVED

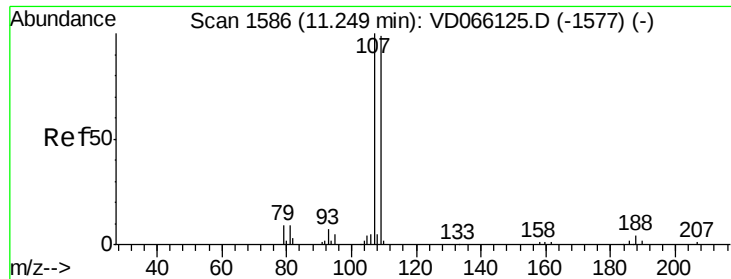
MMDadoda
8/6/2020 1:54:12 PM



#60
Dibromochloromethane
Concen: 5.076 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion: 129 Resp: 18199
Ion Ratio Lower Upper
129 100
127 78.2 38.0 114.1





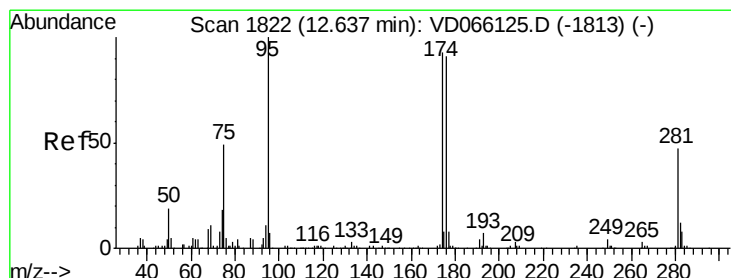
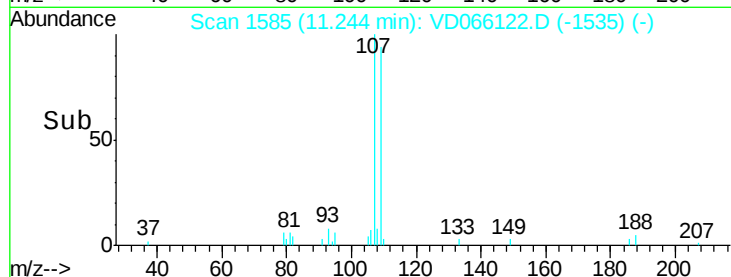
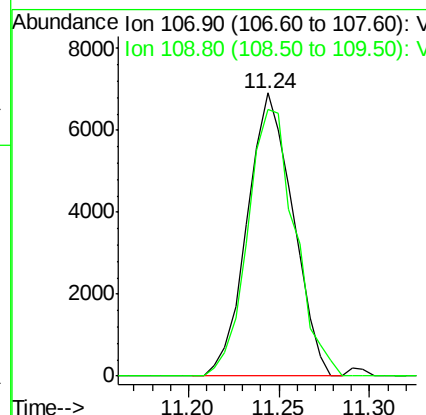
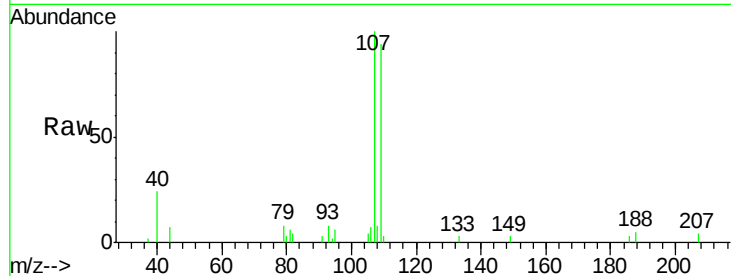
#61
 1,2-Dibromoethane
 Concen: 4.890 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	76.5	114.7

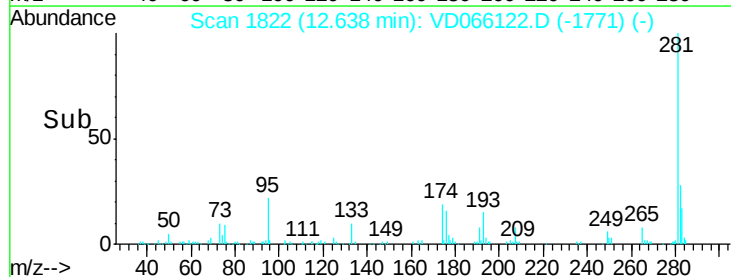
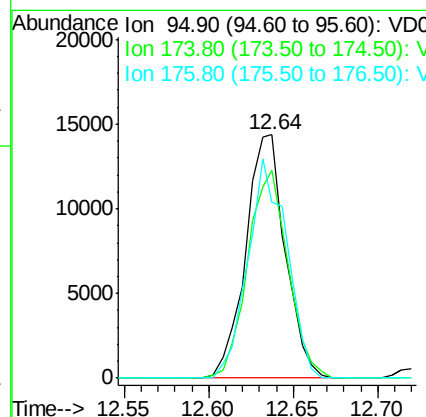
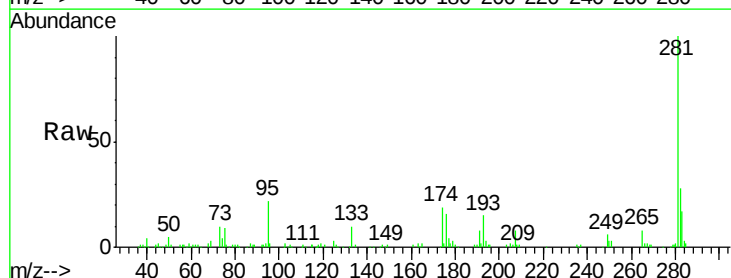
Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:12 PM



#62
 4-Bromofluorobenzene
 Concen: 5.498 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	180.8
176	88.1	0.0	181.2





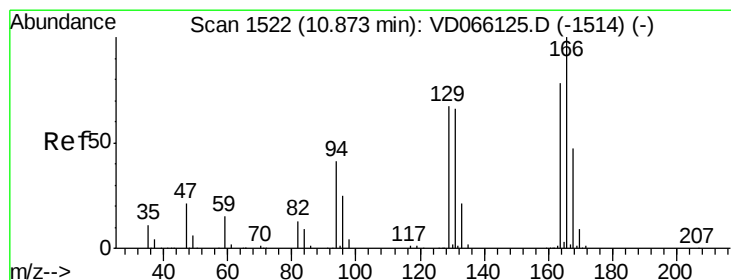
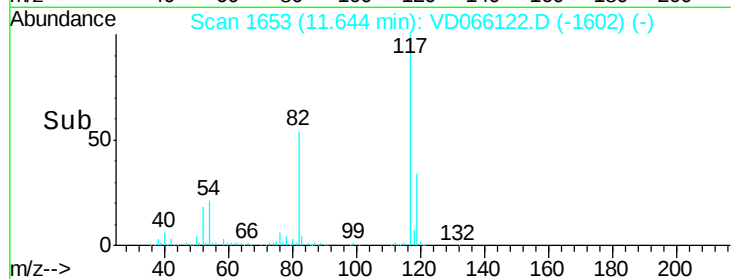
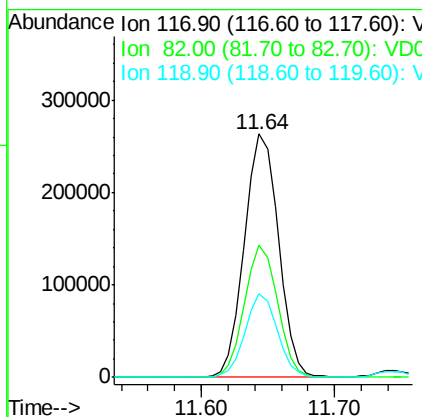
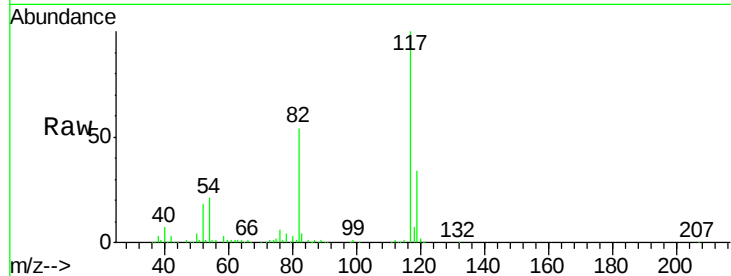
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	466401		
82	54.4	43.0	64.4	
119	34.4	26.1	39.1	

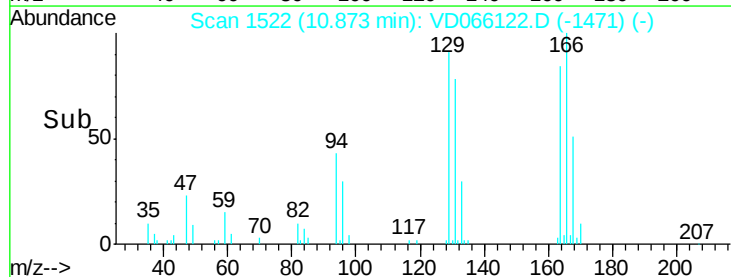
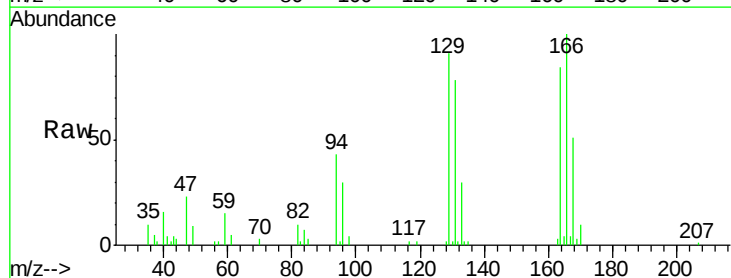
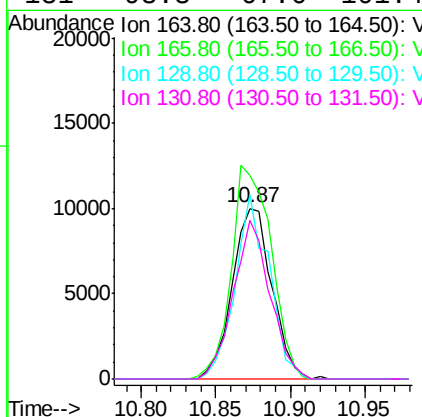
Manual Integrations
APPROVED

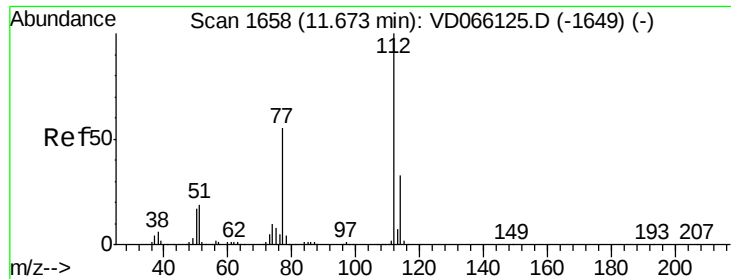
MMDadoda
8/6/2020 1:54:12 PM



#64
Tetrachloroethene
Concen: 5.072 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18540		
166	119.2	101.9	152.9	
129	108.2	68.1	102.1#	
131	93.3	67.6	101.4	





#65

Chlorobenzene

Concen: 5.149 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 49841

Ion Ratio Lower Upper

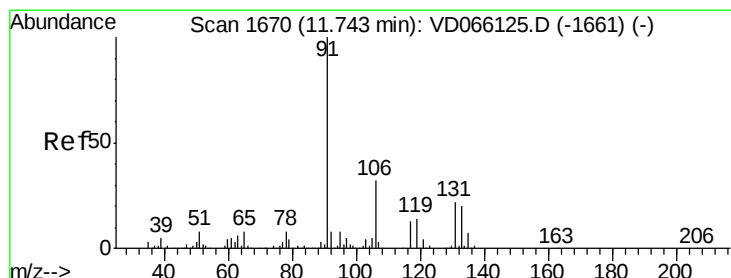
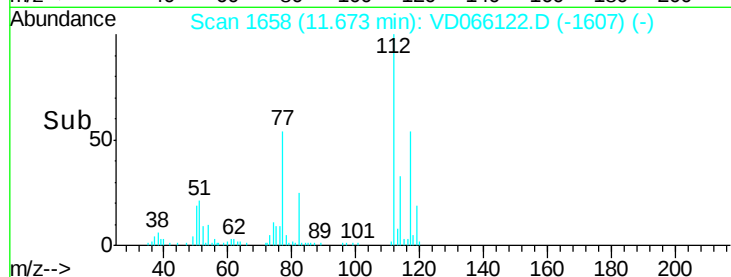
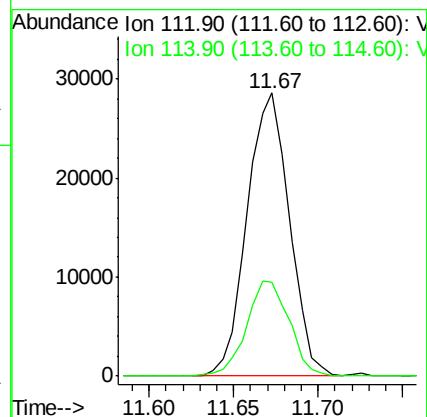
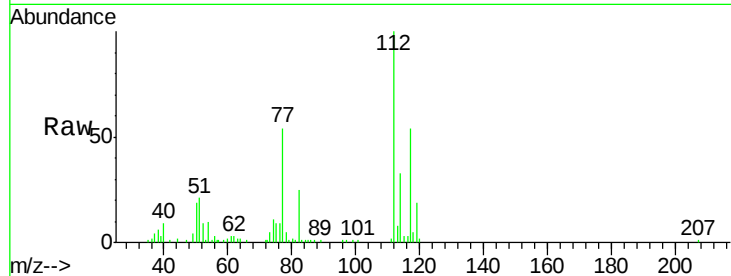
112 100

114 33.0 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

8/6/2020 1:54:12 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 5.168 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

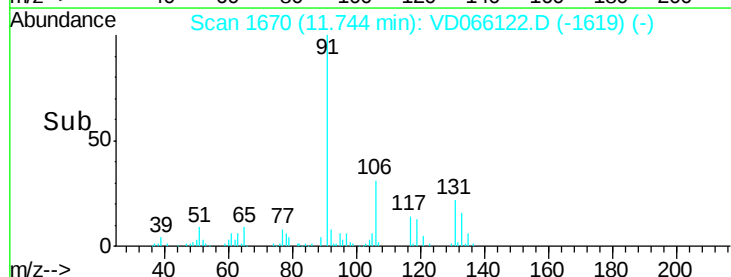
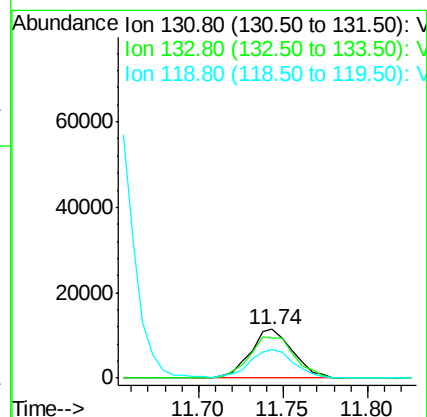
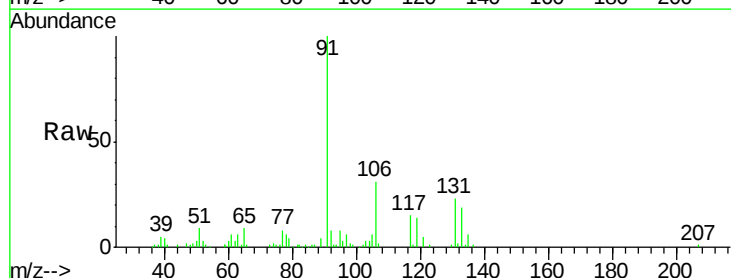
Tgt Ion:131 Resp: 19668

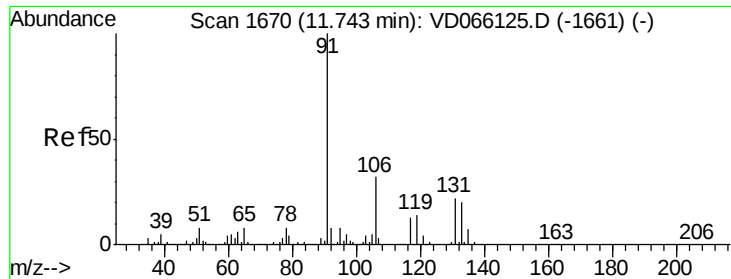
Ion Ratio Lower Upper

131 100

133 91.7 47.1 141.4

119 61.6 31.6 94.7





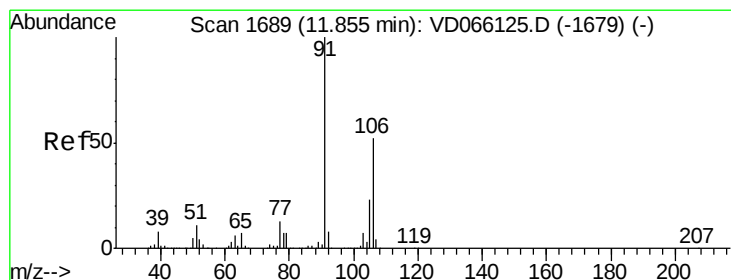
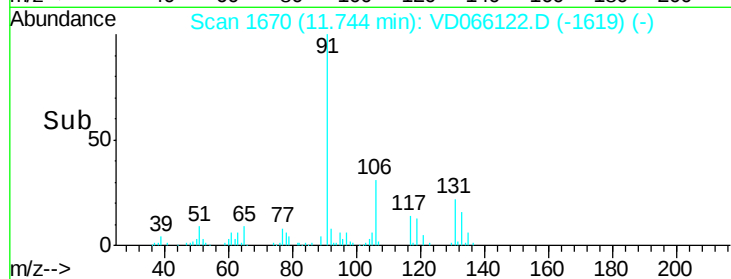
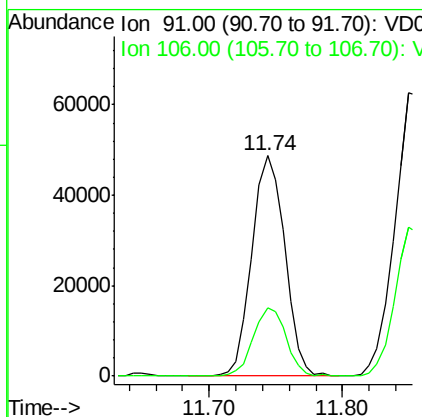
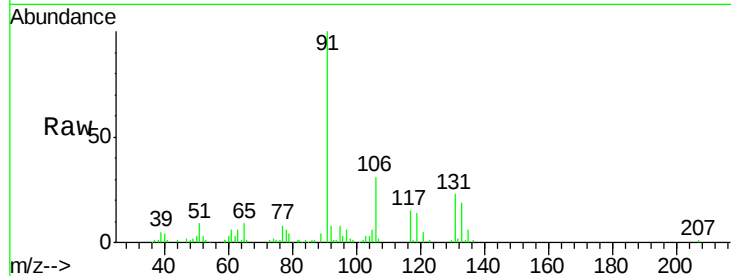
#67
Ethyl Benzene
Concen: 5.019 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	91	Resp	83371
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.7	38.5

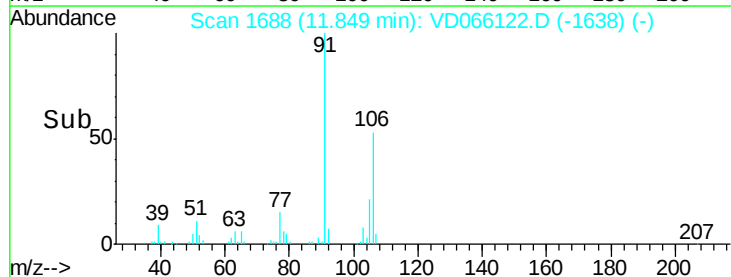
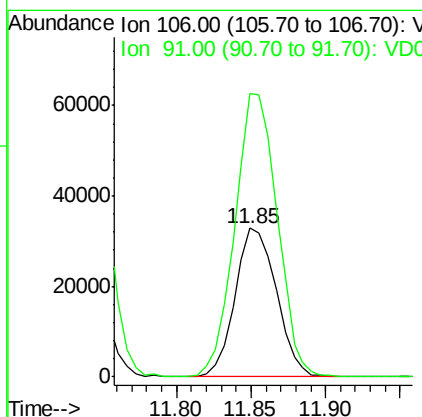
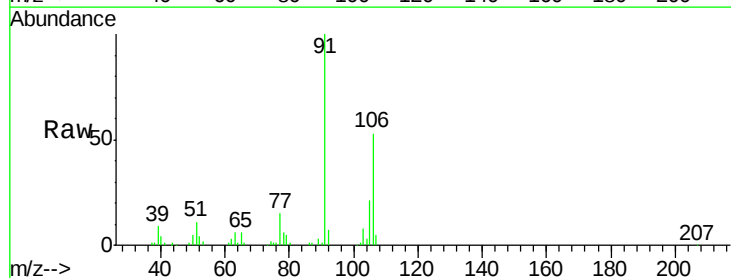
Manual Integrations
APPROVED

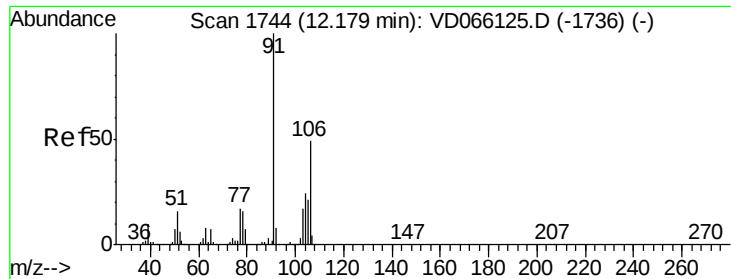
MMDadoda
8/6/2020 1:54:12 PM



#68
m/p-Xylenes
Concen: 9.785 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	106	Resp	63218
Ion Ratio	Lower	Upper	
106	100		
91	195.2	156.6	235.0





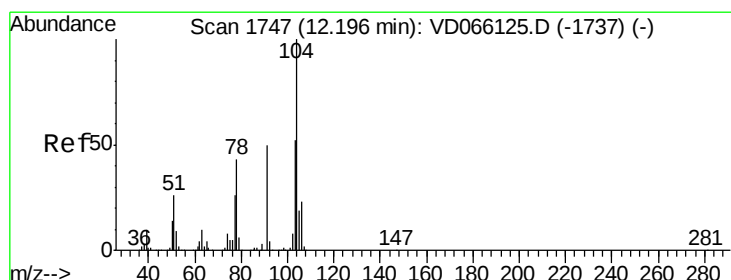
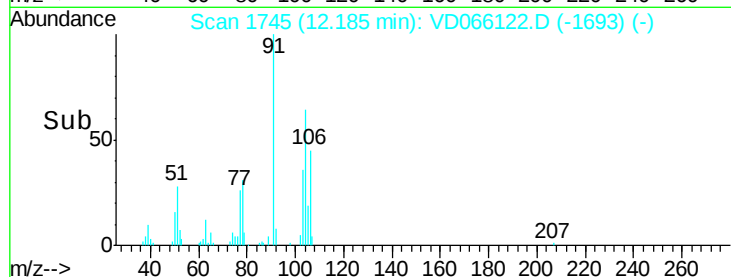
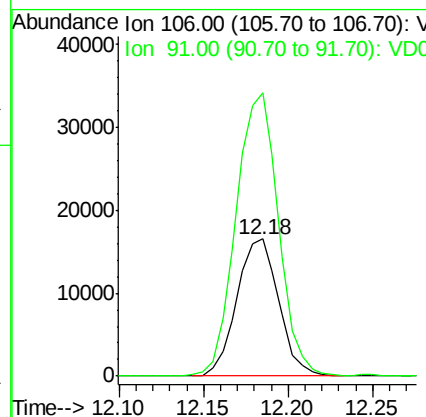
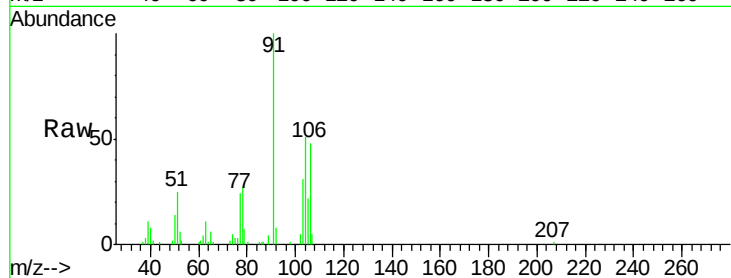
#69
o-Xylene
Concen: 4.899 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		28480		
91	209.1	105.7	317.1		

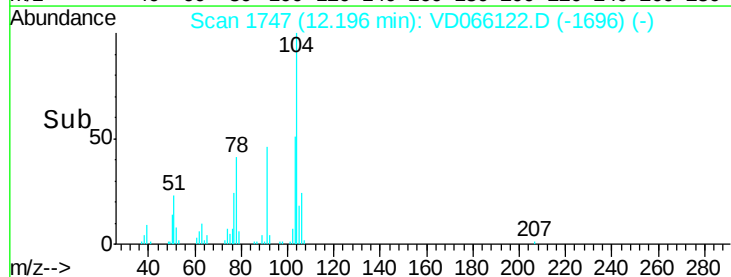
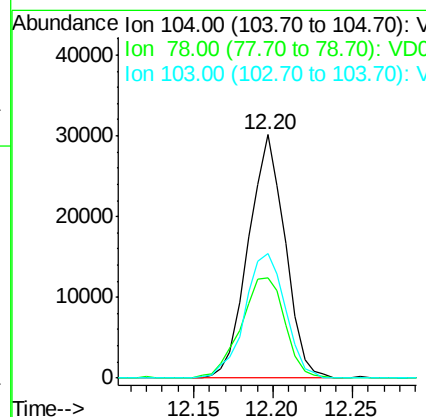
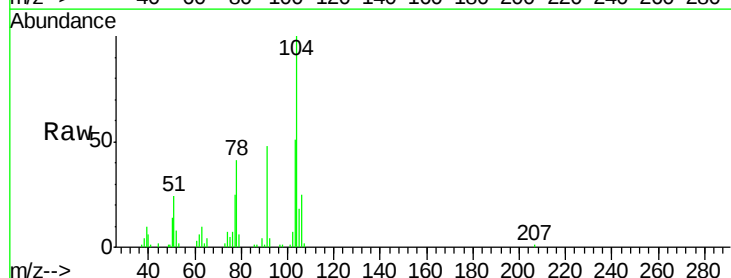
Manual Integrations
APPROVED

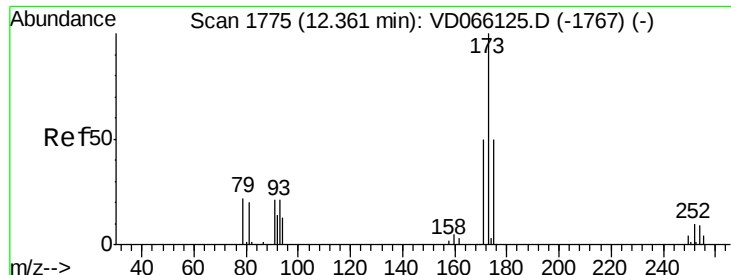
MMDadoda
8/6/2020 1:54:12 PM



#70
Styrene
Concen: 4.742 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		48556		
78	49.4	38.6	58.0		
103	56.7	44.1	66.1		





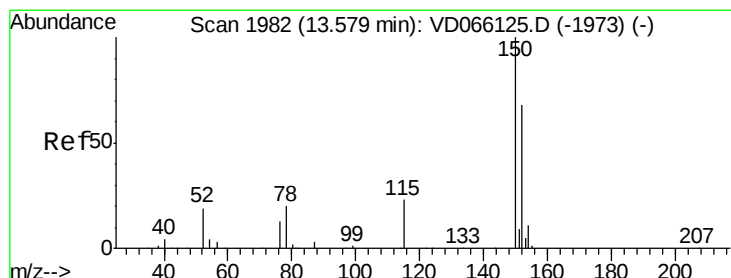
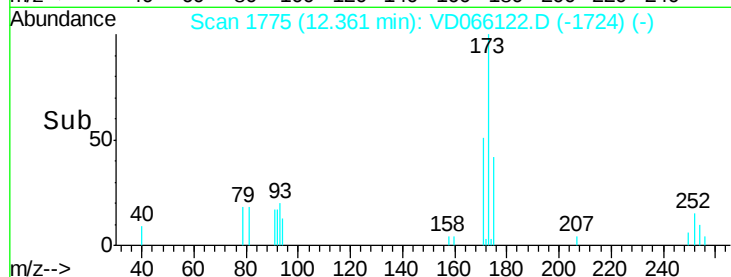
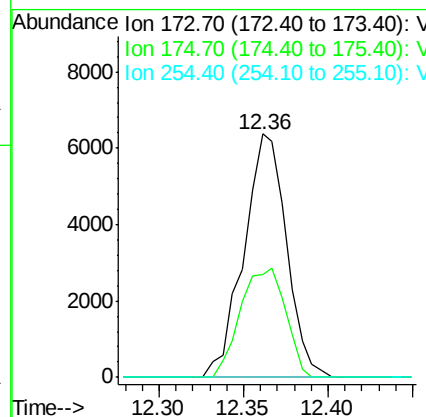
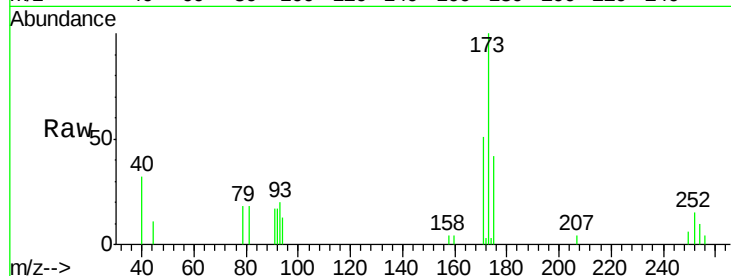
#71
Bromoform
Concen: 5.026 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.6
254	0.0	0.2	0.2

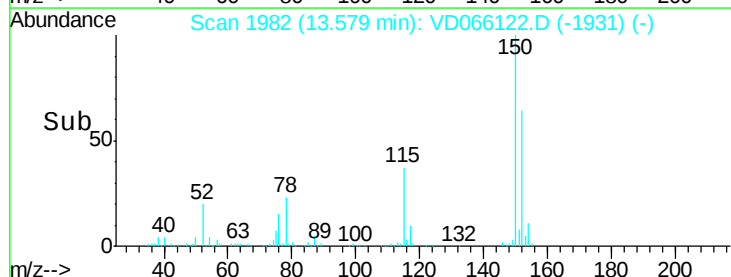
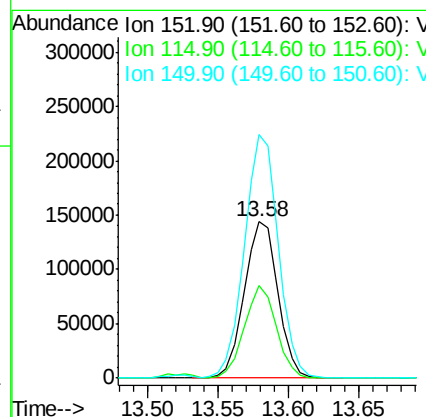
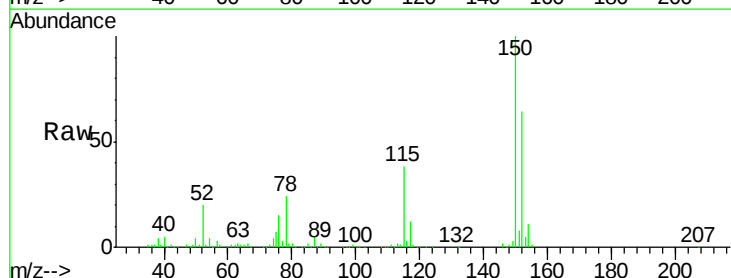
Manual Integrations
APPROVED

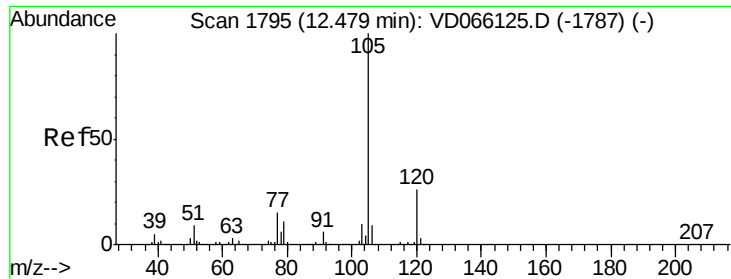
MMDadoda
8/6/2020 1:54:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.0	83.9
150	157.3	0.0	346.4





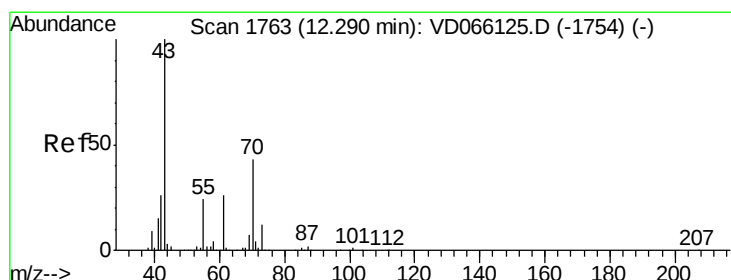
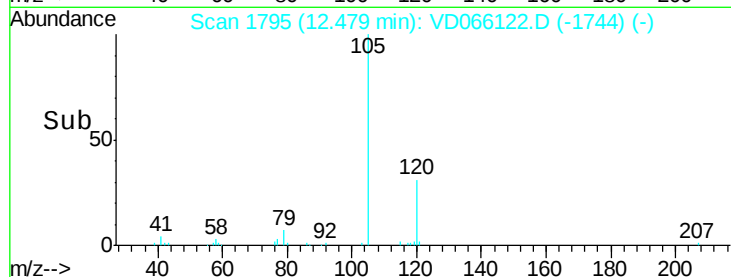
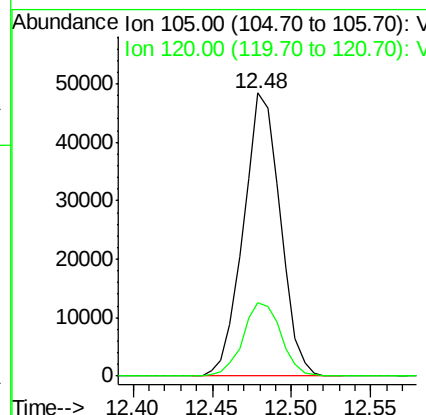
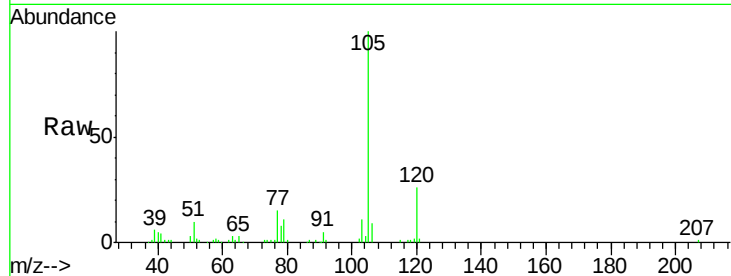
#73
Isopropylbenzene
Concen: 4.866 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

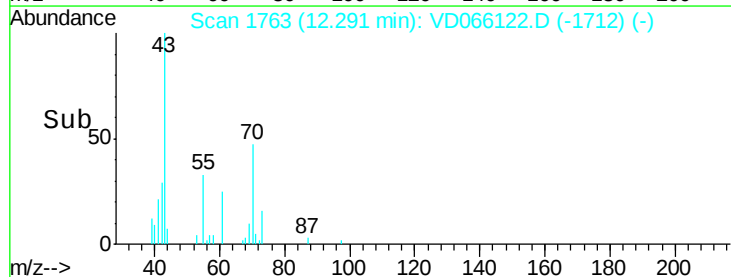
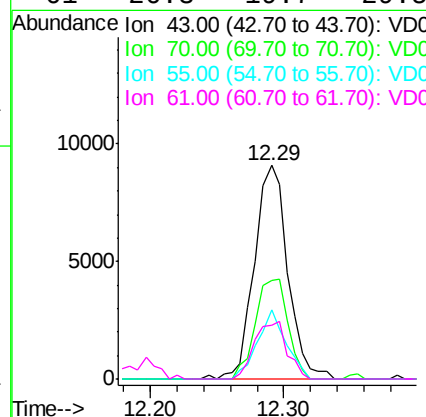
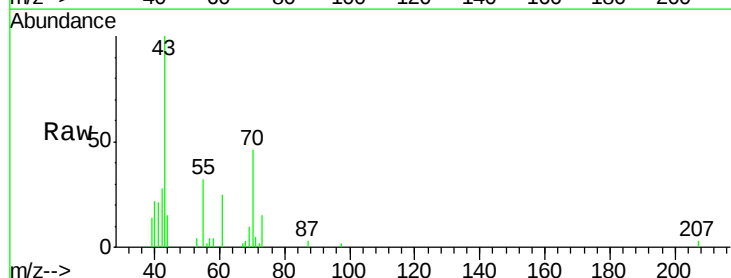
Manual Integrations
APPROVED

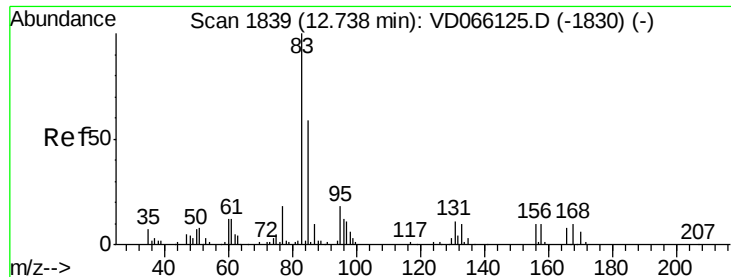
MMDadoda
8/6/2020 1:54:12 PM



#74
N-ethyl acetate
Concen: 4.526 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	34.9	52.3
55	27.7	19.2	28.8
61	26.3	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.297 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

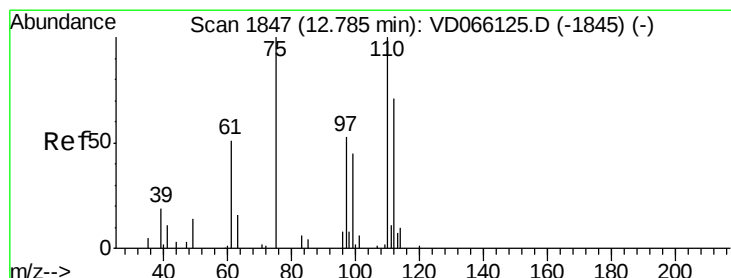
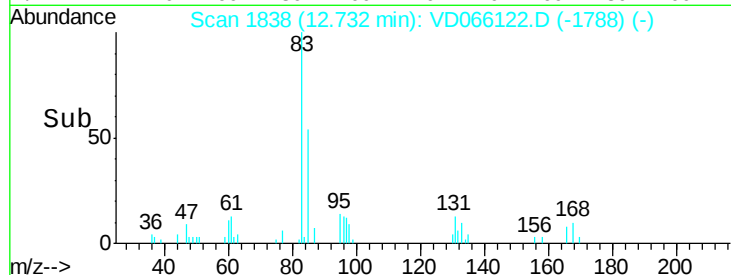
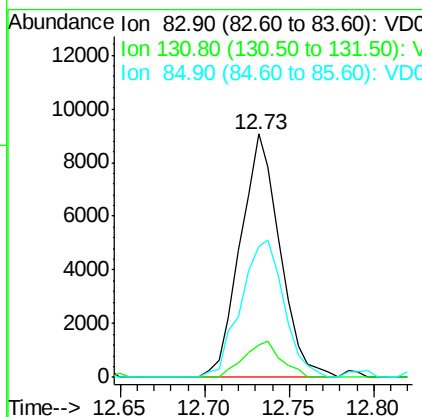
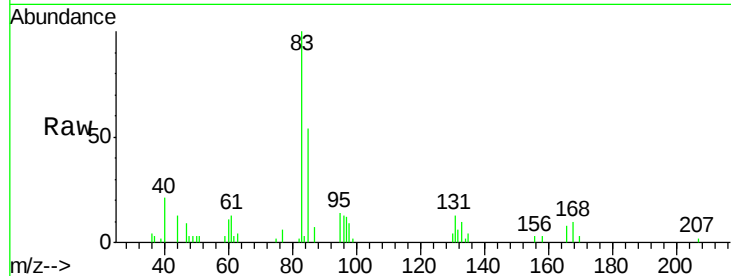
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14780
Ion Ratio	Lower	Upper	
83	100		
131	13.6	6.2	18.6
85	61.4	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#76

1,2,3-Trichloropropane

Concen: 5.510 ug/l m

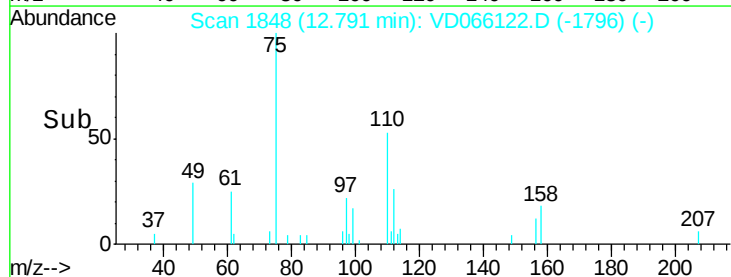
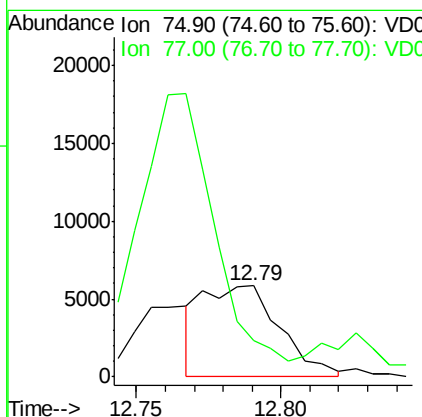
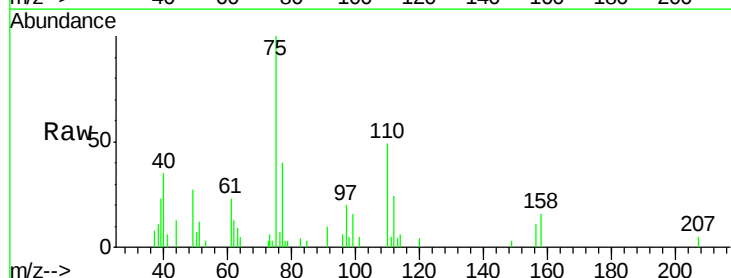
RT: 12.79 min Scan# 1848

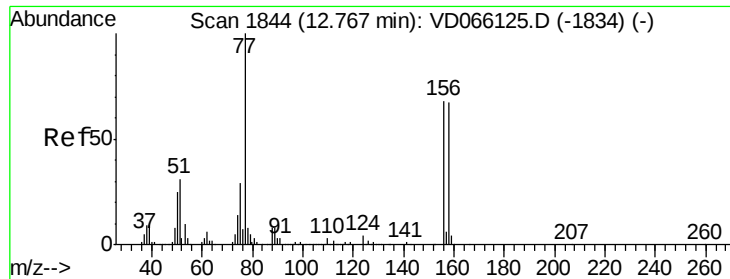
Delta R.T. 0.01 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Tgt Ion:	75	Resp:	10906
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





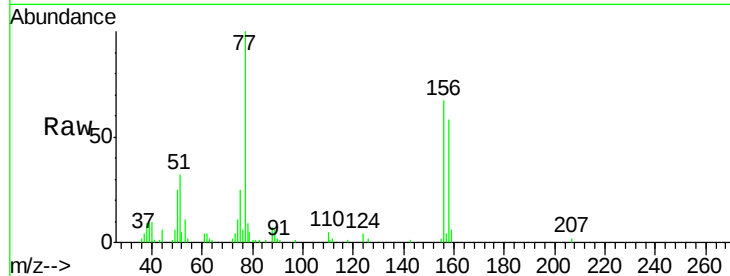
#77
Bromobenzene
Concen: 5.054 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

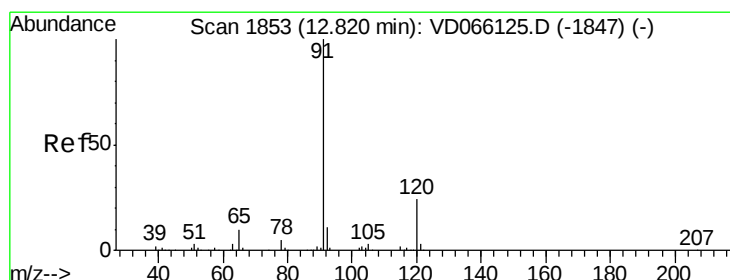
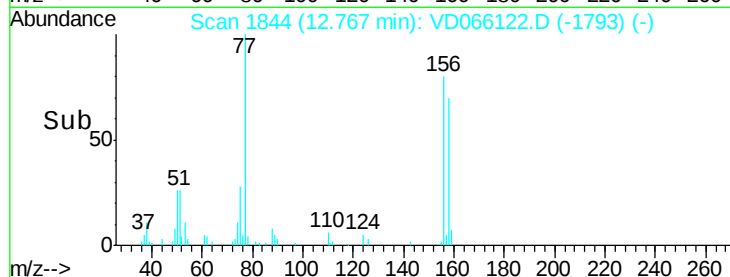
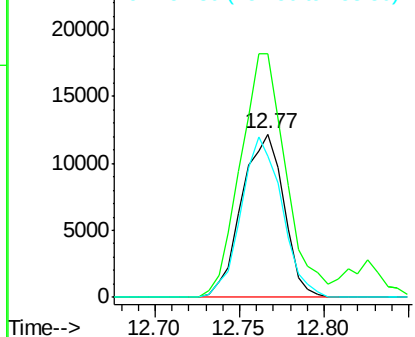
Tot Ion	Ratio	Lower	Upper
156	100		
77	161.5	81.0	243.1
158	95.7	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM

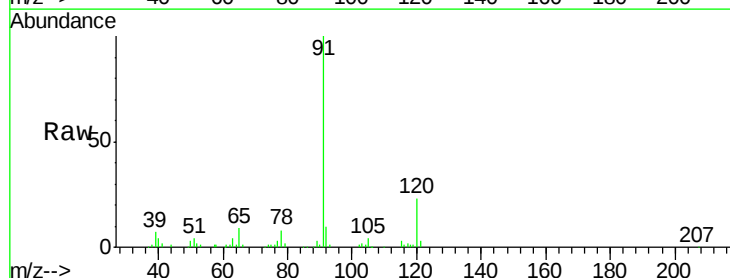


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

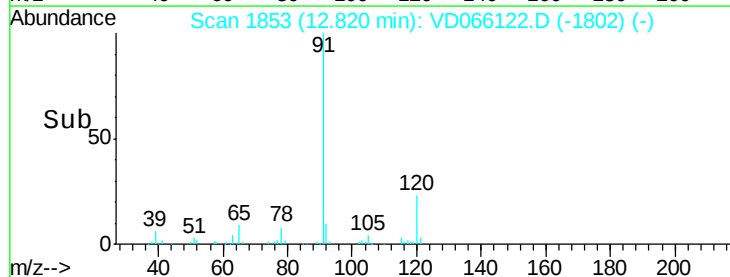
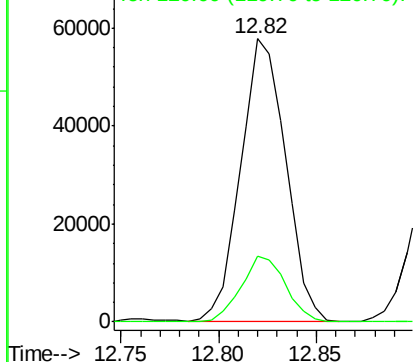


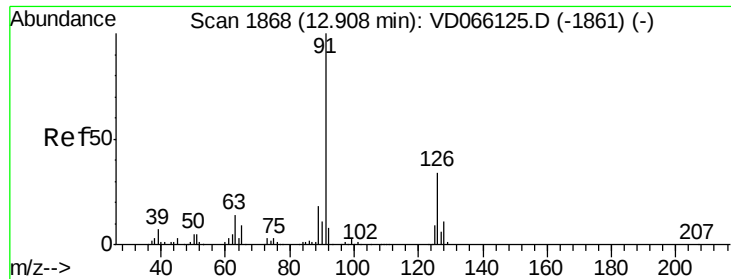
#78
n-propylbenzene
Concen: 4.923 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





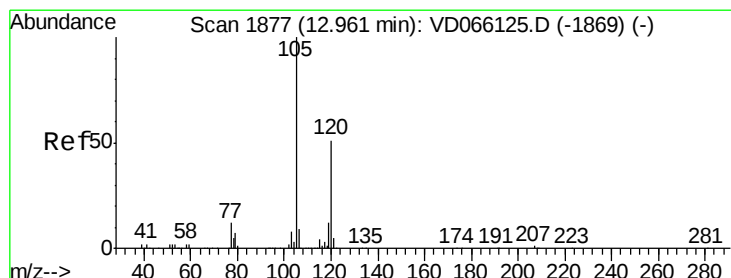
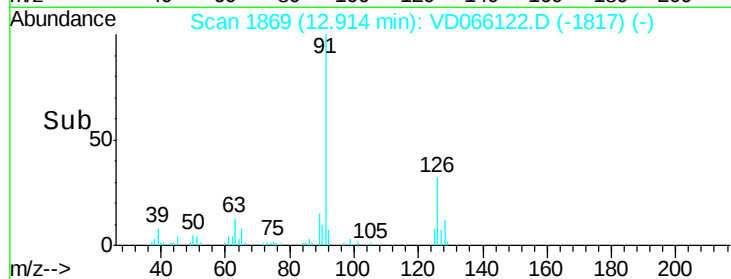
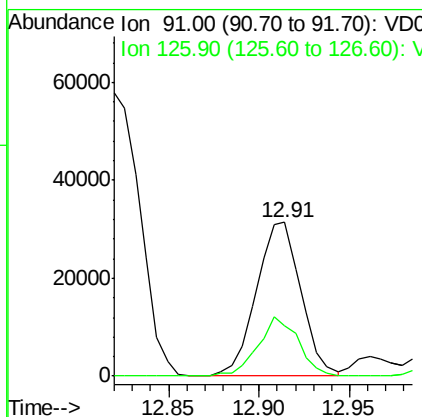
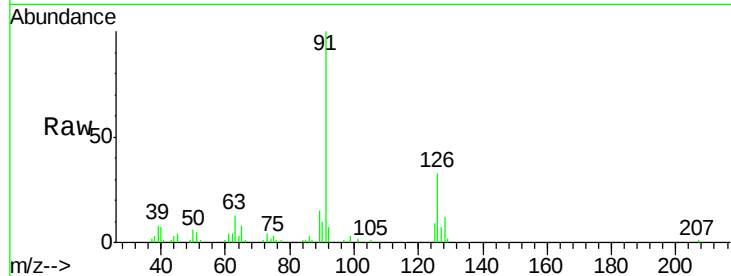
#79
2-Chlorotoluene
Concen: 5.015 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 54056
Ion Ratio Lower Upper
91 100
126 34.9 17.5 52.6

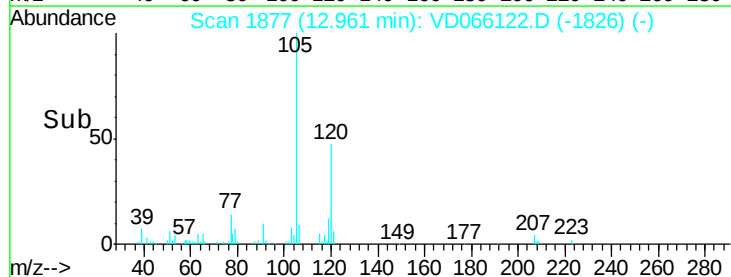
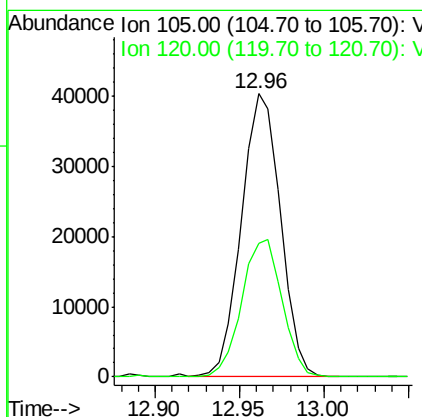
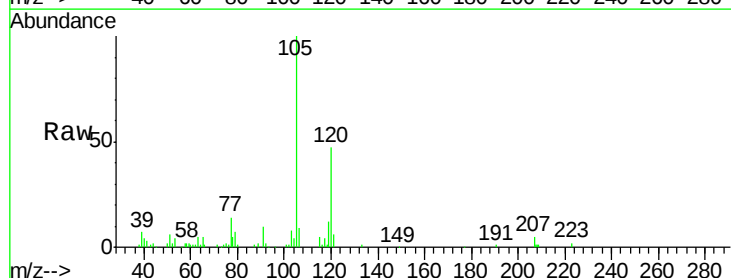
Manual Integrations
APPROVED

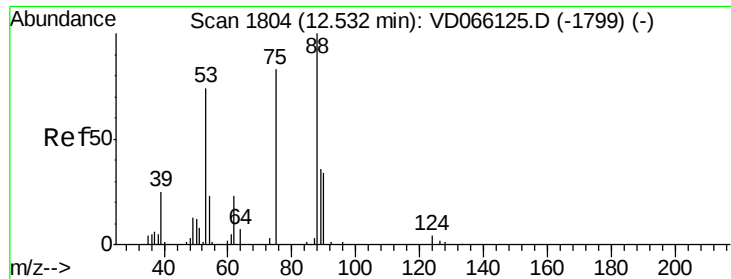
MMDadoda
8/6/2020 1:54:12 PM



#80
1,3,5-Trimethylbenzene
Concen: 4.834 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion: 105 Resp: 65154
Ion Ratio Lower Upper
105 100
120 49.9 25.3 75.8





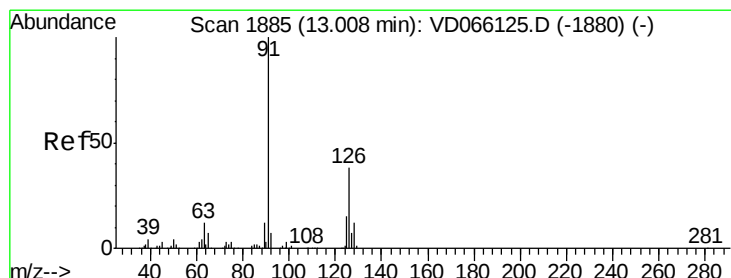
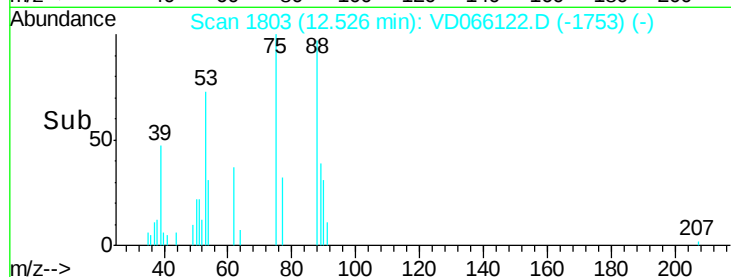
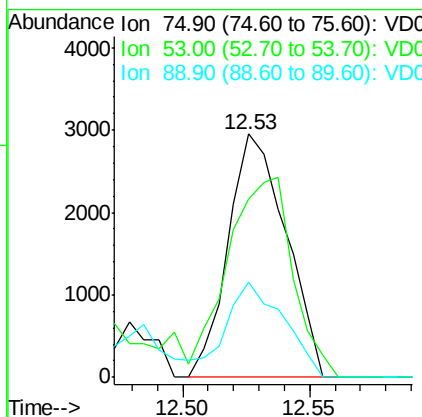
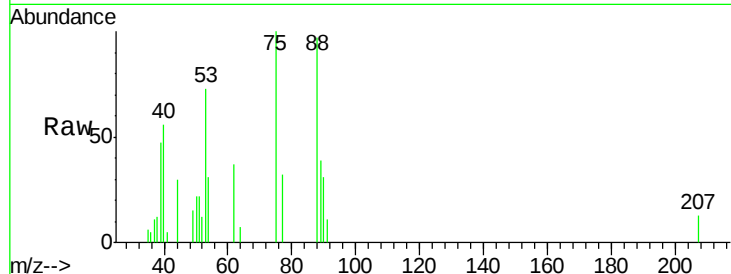
#81
trans-1,4-Dichloro-2-butene
Concen: 5.192 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	73.4	110.2
89	39.2	36.6	55.0

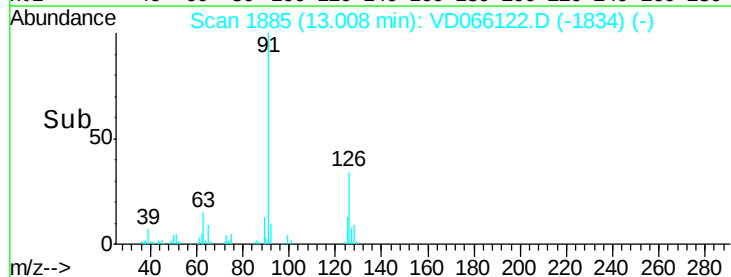
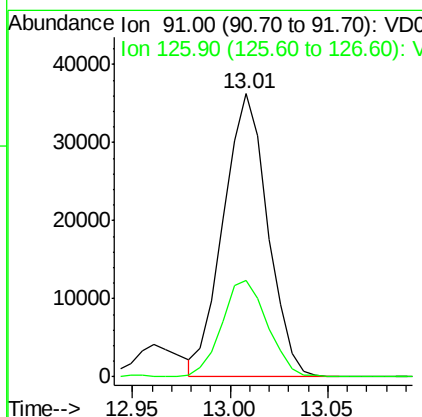
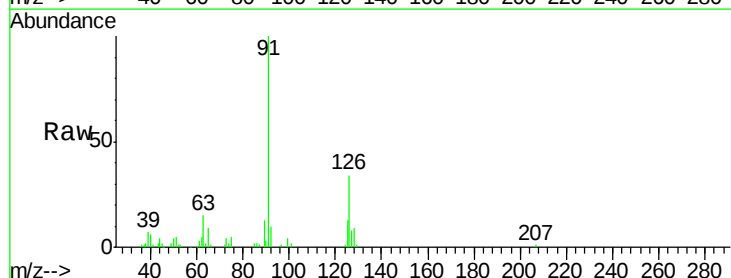
Manual Integrations
APPROVED

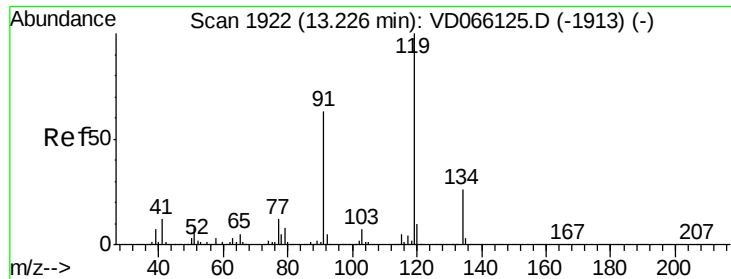
MMDadoda
8/6/2020 1:54:12 PM



#82
4-Chlorotoluene
Concen: 5.003 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





#83

tert-Butylbenzene

Concen: 4.805 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

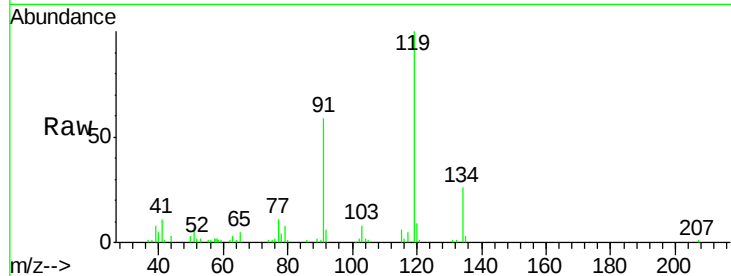
ClientSampleId :

VSTDIC005

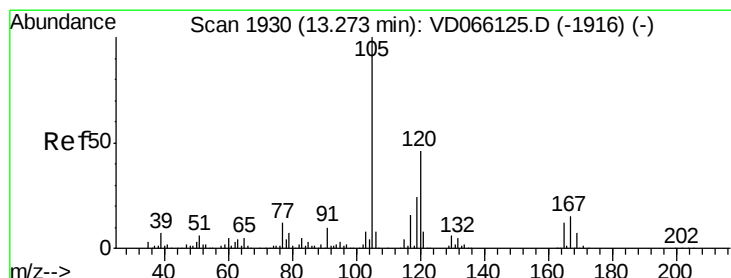
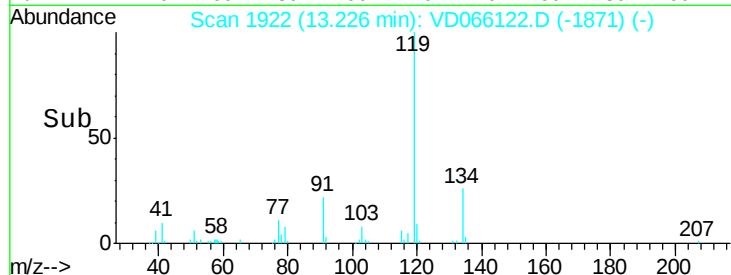
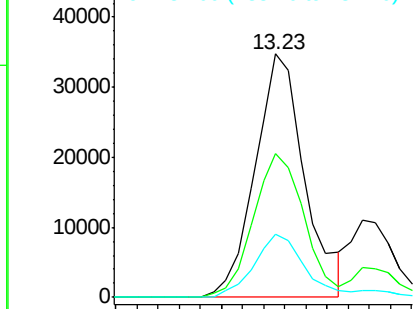
Tot Ion:	119	Resp:	56699
Ion Ratio	Lower	Upper	
119	100		
91	60.3	30.8	92.4
134	26.2	13.6	40.8

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.975 ug/l

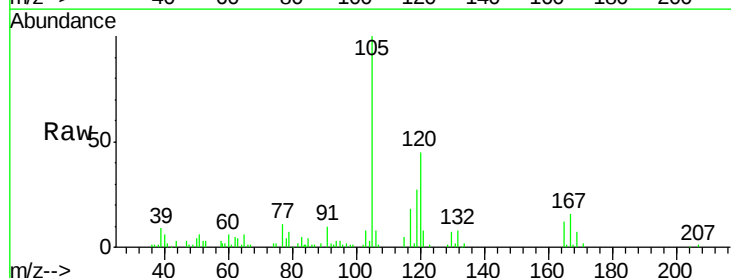
RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

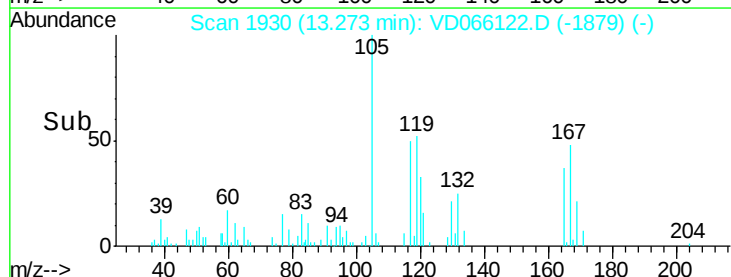
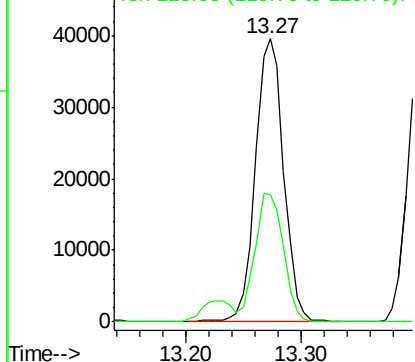
Lab File: VD066122.D

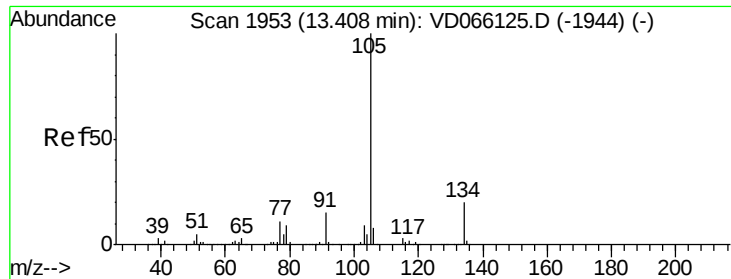
Acq: 05 Aug 2020 10:35

Tgt Ion:	105	Resp:	67441
Ion Ratio	Lower	Upper	
105	100		
120	45.8	23.1	69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.787 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 76586

Ion Ratio Lower Upper

105 100

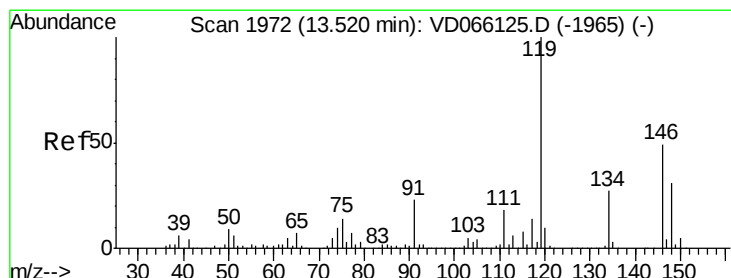
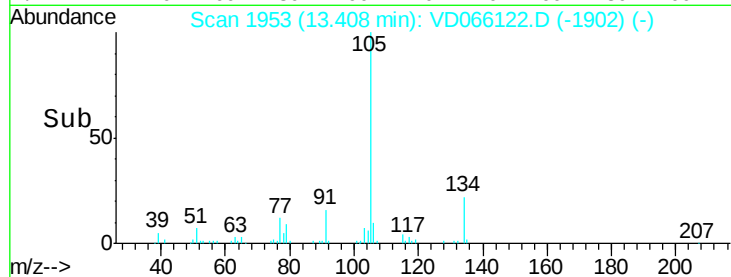
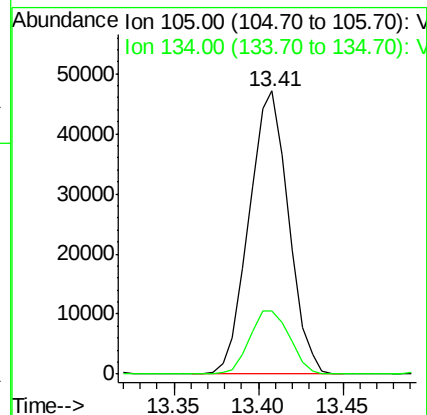
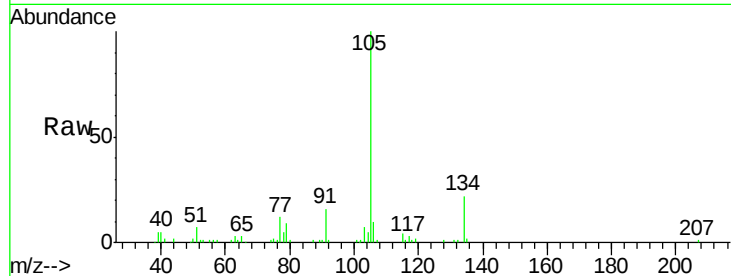
134 22.7 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

8/6/2020 1:54:12 PM



#86

p-Isopropyltoluene

Concen: 4.823 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066122.D

Acq: 05 Aug 2020 10:35

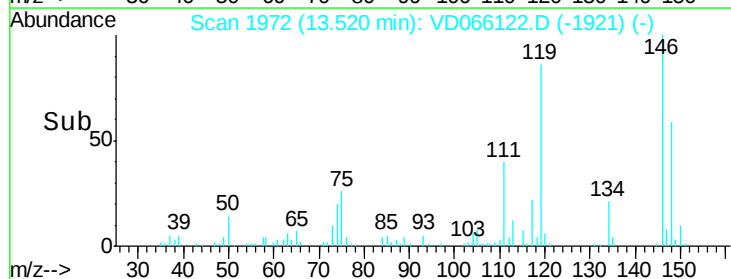
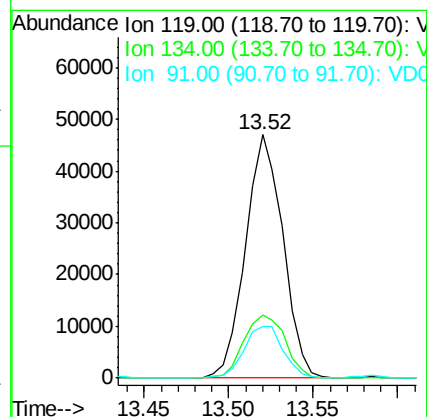
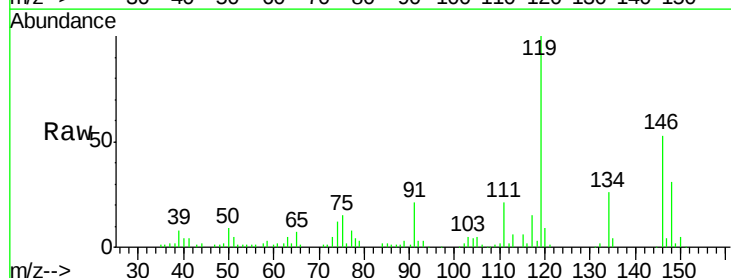
Tgt Ion:119 Resp: 72570

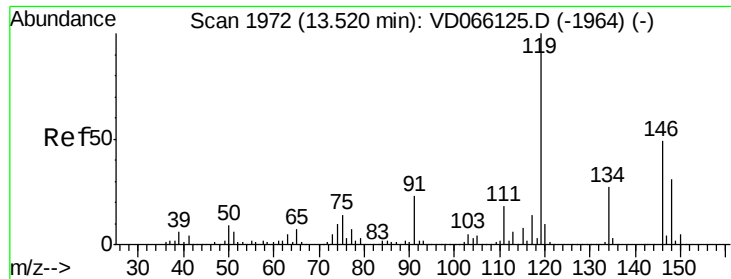
Ion Ratio Lower Upper

119 100

134 28.9 13.5 40.4

91 22.6 11.2 33.5





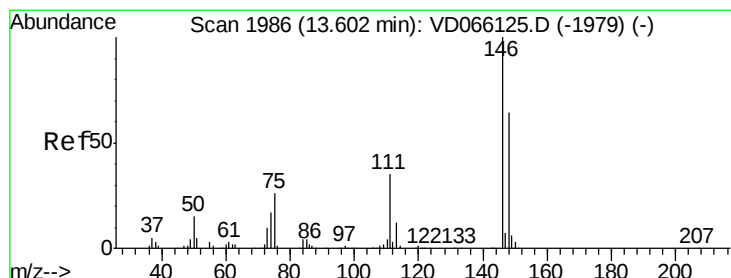
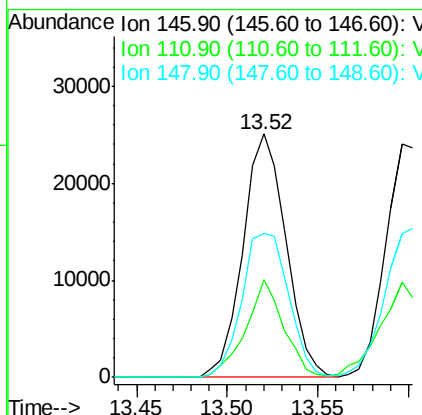
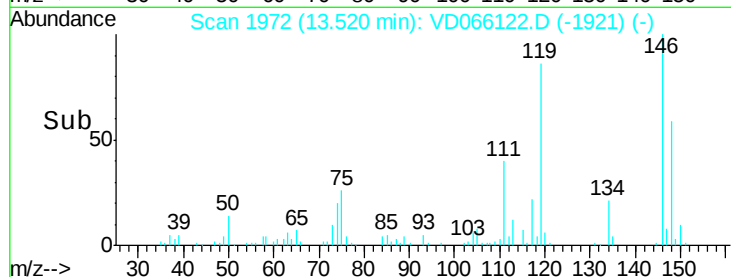
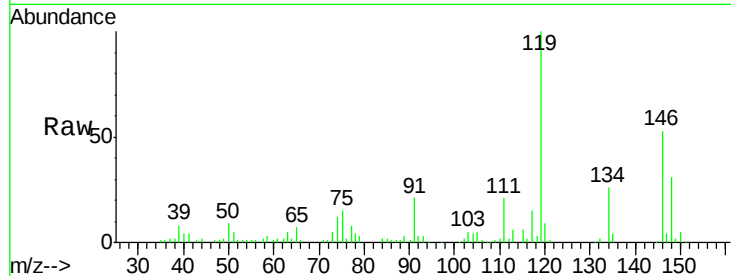
#87
 1,3-Dichlorobenzene
 Concen: 5.195 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.9	56.9
148	64.5	31.8	95.3

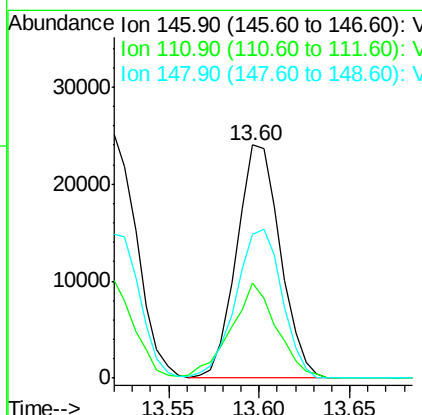
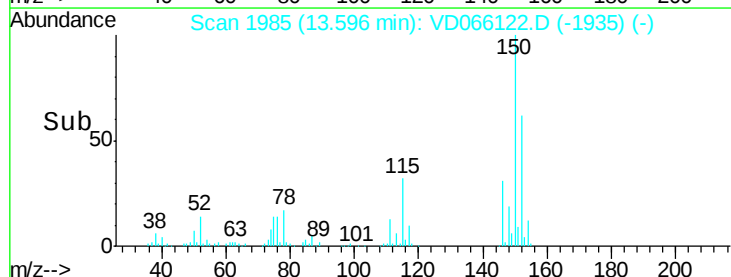
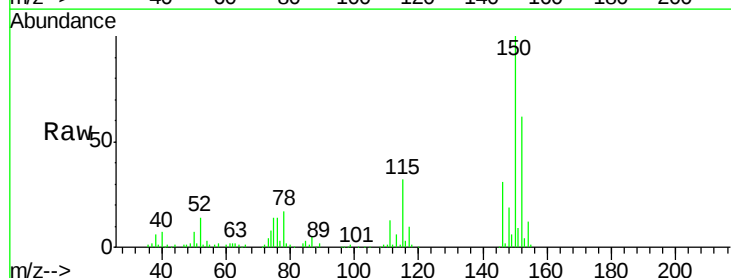
Manual Integrations
 APPROVED

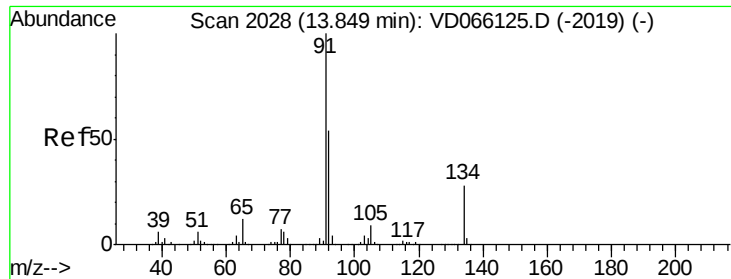
MMDadoda
 8/6/2020 1:54:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.107 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	18.6	55.8
148	67.6	32.4	97.0





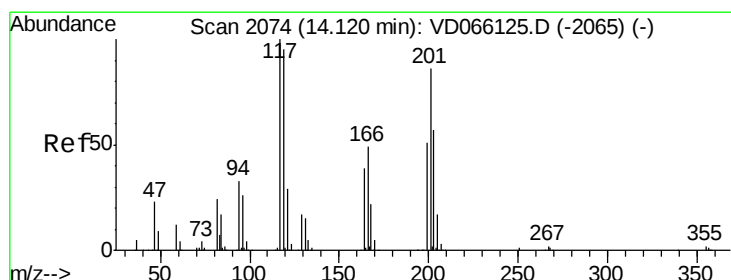
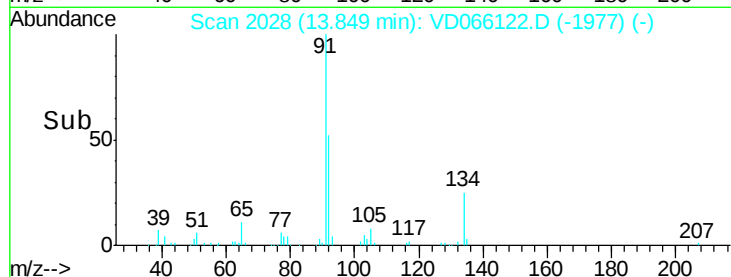
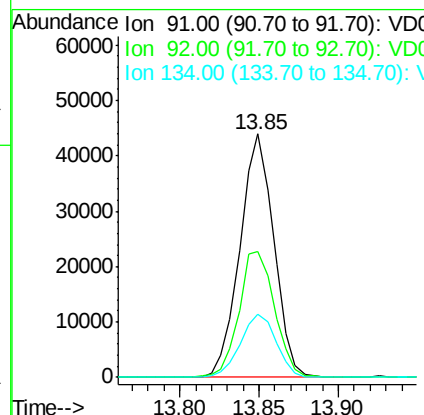
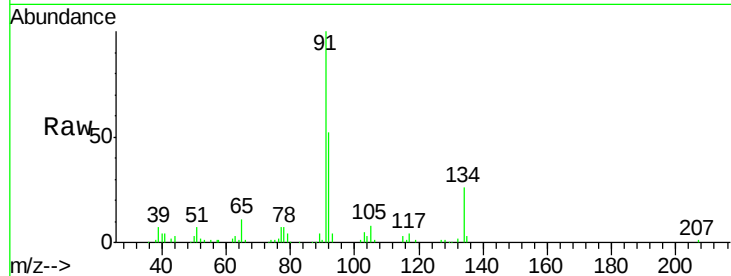
#89
n-Butylbenzene
Concen: 4.886 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.8	80.3
134	27.3	14.0	41.9

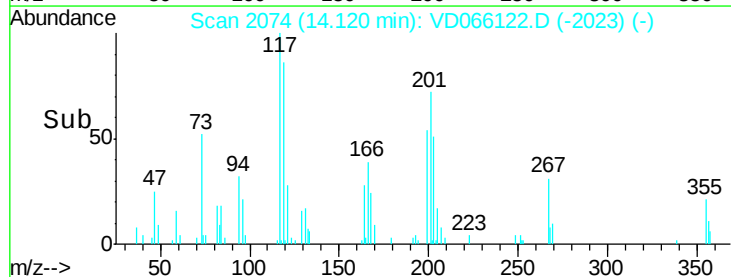
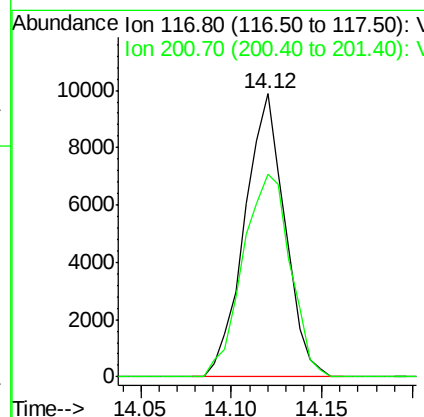
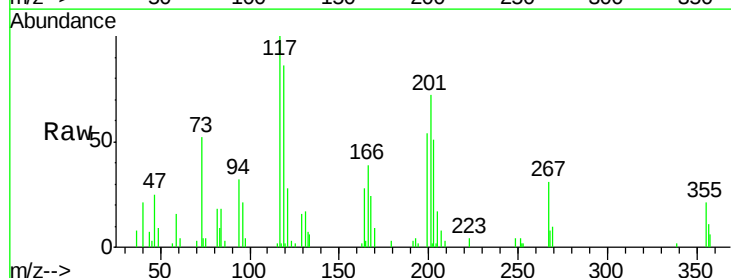
Manual Integrations
APPROVED

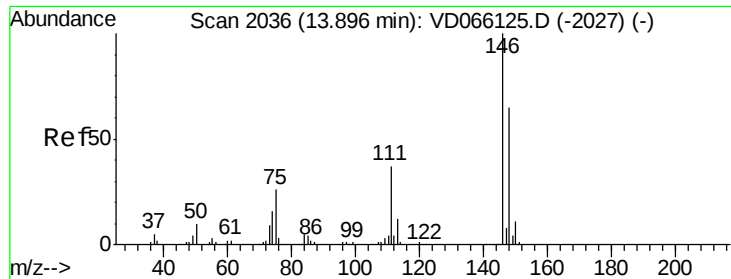
MMDadoda
8/6/2020 1:54:12 PM



#90
Hexachloroethane
Concen: 5.081 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	42.7	128.1





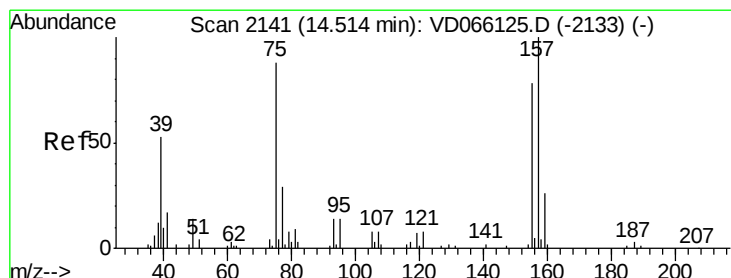
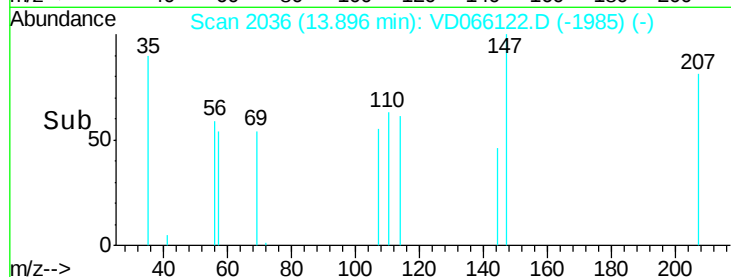
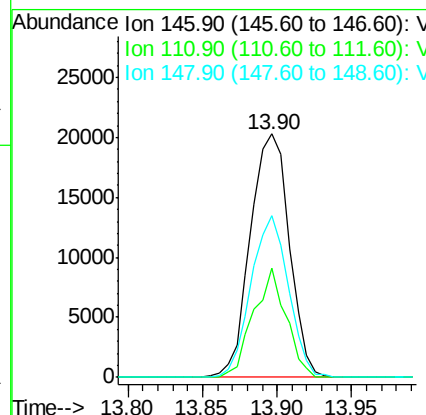
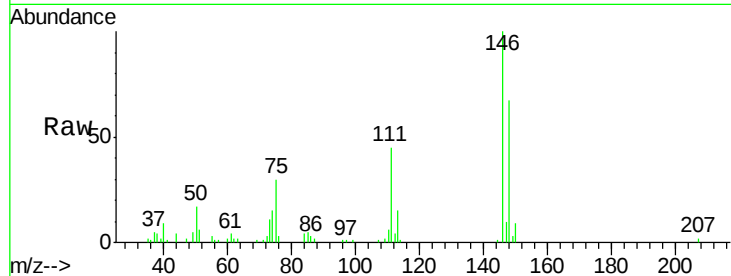
#91
 1,2-Dichlorobenzene
 Concen: 5.221 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.8	31.9	95.5

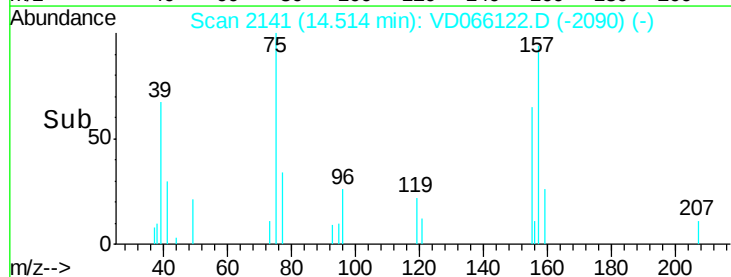
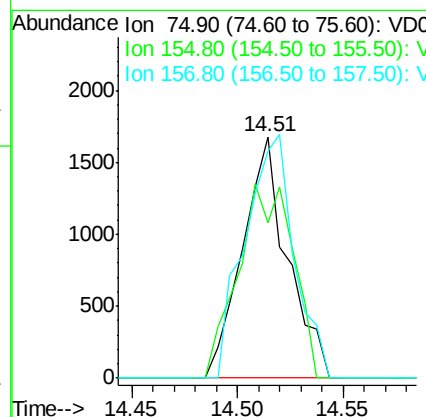
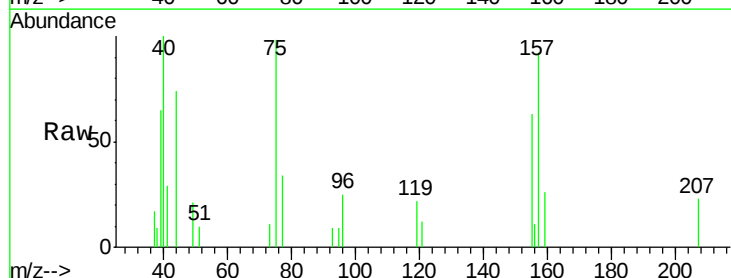
Manual Integrations
 APPROVED

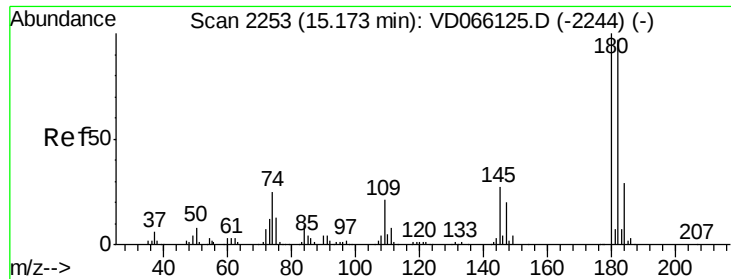
MMDadoda
 8/6/2020 1:54:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.234 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	47.7	143.1
157	110.9	62.1	186.2





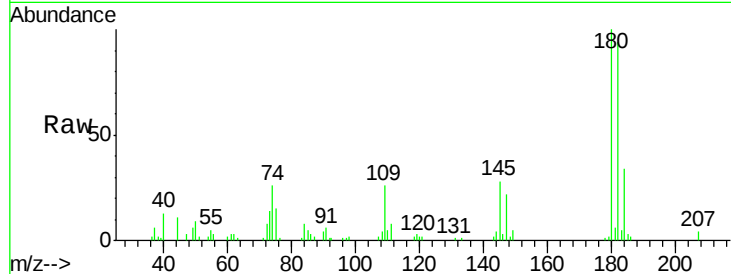
#93
 1,2,4-Trichlorobenzene
 Concen: 4.938 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

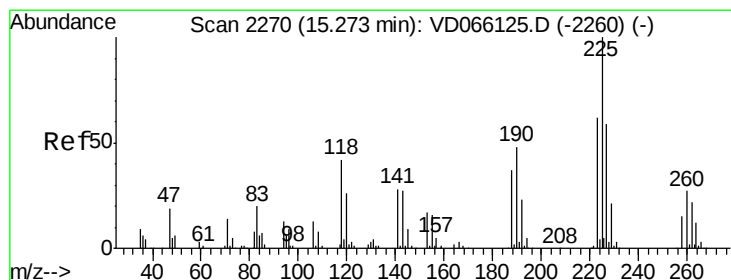
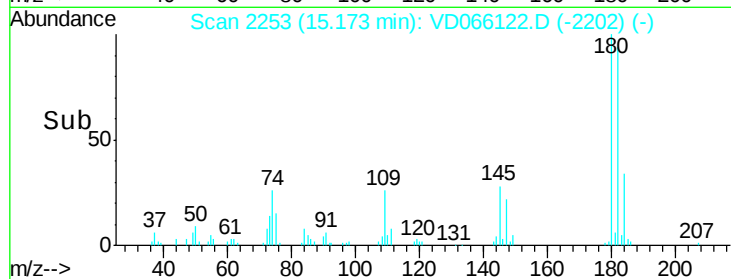
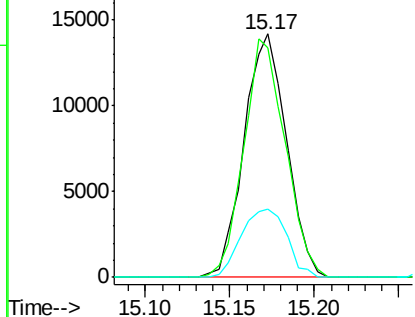
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.2
145	30.1	14.5	43.6

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:12 PM

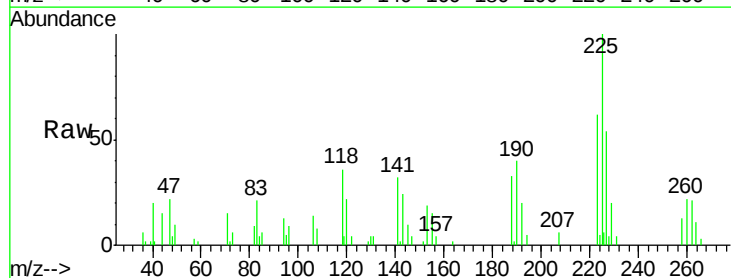


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

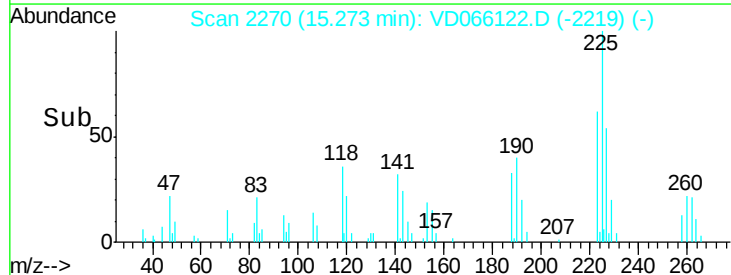
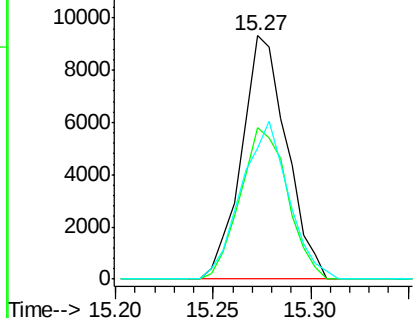


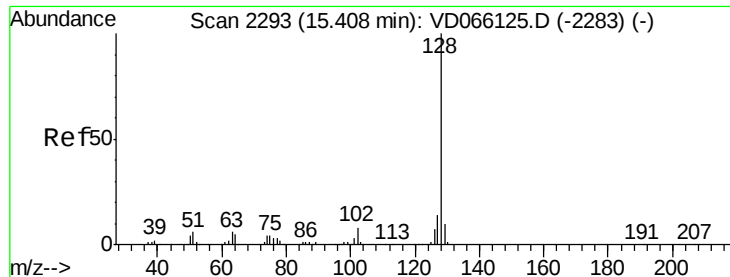
#94
 Hexachlorobutadiene
 Concen: 5.009 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066122.D
 Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.3	96.9
227	67.6	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





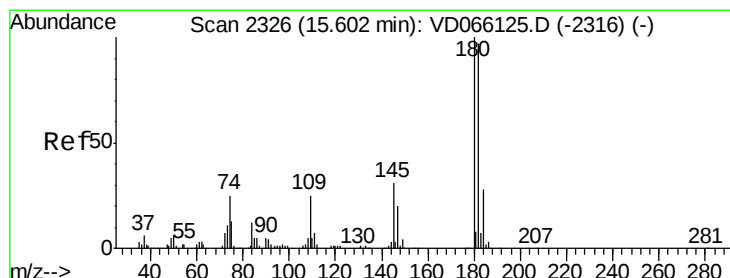
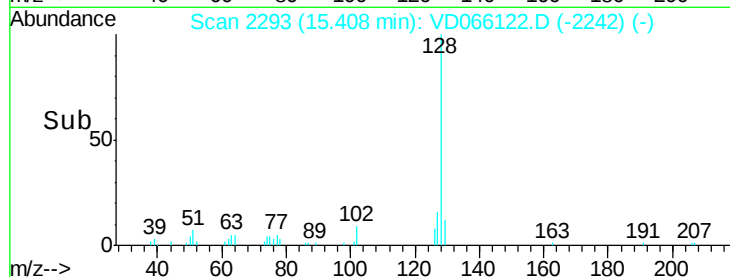
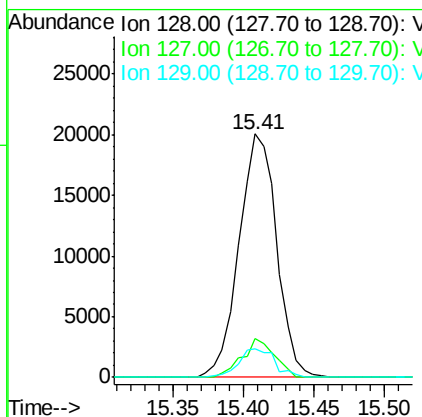
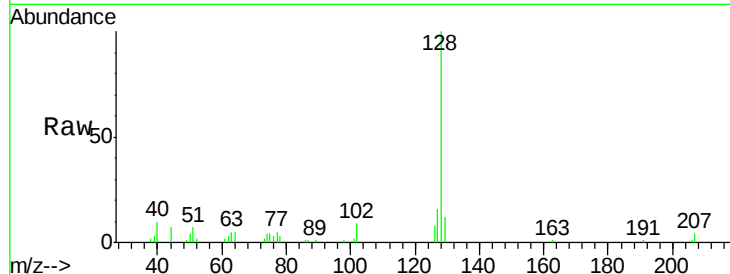
#95
Naphthalene
Concen: 4.714 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	11.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.087 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066122.D
Acq: 05 Aug 2020 10:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.1	141.4
145	27.9	14.9	44.9

