

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066542.D
 Acq On : 03 Sep 2020 18:39
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD090320

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:55:01 PM

Quant Time: Sep 04 06:04:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	351514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	602093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	549128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236888	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
35) Dibromofluoromethane	7.91	113	214931	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
50) Toluene-d8	10.34	98	794800	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.63	95	268303	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	154128	53.364	ug/l	87
3) Chloromethane	2.21	50	220754	49.659	ug/l	97
4) Vinyl Chloride	2.35	62	259634	52.659	ug/l	98
5) Bromomethane	2.77	94	181321	58.988	ug/l	87
6) Chloroethane	2.92	64	165653	52.896	ug/l	95
7) Trichlorofluoromethane	3.27	101	361469	49.628	ug/l	97
8) Diethyl Ether	3.71	74	93873	51.181	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197165	50.017	ug/l	98
10) Methyl Iodide	4.30	142	197263	54.470	ug/l	98
11) Tert butyl alcohol	5.21	59	71973	275.123	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	183279	51.751	ug/l	98
13) Acrolein	3.92	56	43822	251.999	ug/l	93
14) Allyl chloride	4.71	41	310015	53.413	ug/l	98
15) Acrylonitrile	5.42	53	216477	274.754	ug/l	98
16) Acetone	4.16	43	176114	225.055	ug/l	94
17) Carbon Disulfide	4.41	76	603435	51.830	ug/l	98
18) Methyl Acetate	4.71	43	99338	53.252	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	469080	56.482	ug/l	93
20) Methylene Chloride	4.96	84	225921	53.429	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	220471	52.424	ug/l	98
22) Diisopropyl ether	6.36	45	677388	56.753	ug/l	97
23) Vinyl Acetate	6.30	43	1966463	289.515	ug/l	99
24) 1,1-Dichloroethane	6.26	63	399429	53.216	ug/l	100
25) 2-Butanone	7.21	43	279548	266.117	ug/l	97
26) 2,2-Dichloropropane	7.21	77	345746	50.217	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248616	54.973	ug/l	97
28) Bromochloromethane	7.54	49	167188	57.856	ug/l	98
29) Tetrahydrofuran	7.56	42	179582	274.496	ug/l	98
30) Chloroform	7.71	83	427050	53.780	ug/l	94
31) Cyclohexane	7.98	56	341135	49.167	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	392029	52.510	ug/l	99
36) 1,1-Dichloropropene	8.11	75	320127	51.090	ug/l	99
37) Ethyl Acetate	7.29	43	133019	53.312	ug/l	95
38) Carbon Tetrachloride	8.09	117	337958	51.028	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066542.D
 Acq On : 03 Sep 2020 18:39
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:55:01 PM

Quant Time: Sep 04 06:04:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	371937	53.157	ug/l	98
40) Benzene	8.34	78	891090	51.925	ug/l	98
41) Methacrylonitrile	7.51	41	50006m	41.404	ug/l	
42) 1,2-Dichloroethane	8.42	62	279732	50.309	ug/l	100
43) Isopropyl Acetate	8.45	43	254039	53.129	ug/l	98
44) Trichloroethene	9.11	130	228192	50.692	ug/l	93
45) 1,2-Dichloropropane	9.38	63	221924	51.423	ug/l	94
46) Dibromomethane	9.47	93	123163	51.727	ug/l	97
47) Bromodichloromethane	9.66	83	335138	52.025	ug/l	98
48) Methyl methacrylate	9.45	41	124100	51.327	ug/l	95
49) 1,4-Dioxane	9.46	88	26270	1005.681	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	648663	268.991	ug/l	99
52) Toluene	10.40	92	566180	52.120	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	301109	52.950	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	356169	52.155	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	159029	51.947	ug/l	95
56) Ethyl methacrylate	10.66	69	198248	55.617	ug/l	95
57) 1,3-Dichloropropane	10.94	76	281612	52.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	409803	251.353	ug/l	100
59) 2-Hexanone	10.98	43	436895	269.411	ug/l	100
60) Dibromochloromethane	11.14	129	214901	53.085	ug/l	100
61) 1,2-Dibromoethane	11.24	107	151102	50.733	ug/l	96
64) Tetrachloroethene	10.87	164	183024	49.502	ug/l	96
65) Chlorobenzene	11.67	112	584219	51.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	222442	51.426	ug/l	99
67) Ethyl Benzene	11.74	91	1095892	52.660	ug/l	100
68) m/p-Xylenes	11.85	106	822468	106.440	ug/l	98
69) o-Xylene	12.18	106	368189	53.169	ug/l	97
70) Styrene	12.20	104	655305	54.431	ug/l	99
71) Bromoform	12.36	173	113370	52.007	ug/l #	98
73) Isopropylbenzene	12.48	105	1027403	54.237	ug/l	100
74) N-amyl acetate	12.29	43	228148	53.178	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	172785	51.631	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	115233m	46.832	ug/l	
77) Bromobenzene	12.76	156	219965	52.086	ug/l	98
78) n-propylbenzene	12.82	91	1238350	53.927	ug/l	100
79) 2-Chlorotoluene	12.91	91	706711	54.859	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	868169	54.453	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55299	52.469	ug/l	98
82) 4-Chlorotoluene	13.01	91	730150	53.002	ug/l	100
83) tert-Butylbenzene	13.23	119	715559	54.960	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	872079	54.939	ug/l	99
85) sec-Butylbenzene	13.40	105	1021322	54.448	ug/l	98
86) p-Isopropyltoluene	13.52	119	914158	54.146	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	440295	52.516	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	431212	51.243	ug/l	99
89) n-Butylbenzene	13.85	91	876667	53.285	ug/l	99
90) Hexachloroethane	14.11	117	192849	53.012	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	368617	50.301	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29137	51.254	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090320\
Data File : VD066542.D
Acq On : 03 Sep 2020 18:39
Operator : VA/SY
Sample : VSTDICV050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM

Quant Time: Sep 04 06:04:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	235517	53.551	ug/l	99
94) Hexachlorobutadiene	15.27	225	133817	50.646	ug/l	98
95) Naphthalene	15.41	128	450396	58.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	206687	55.123	ug/l	98

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

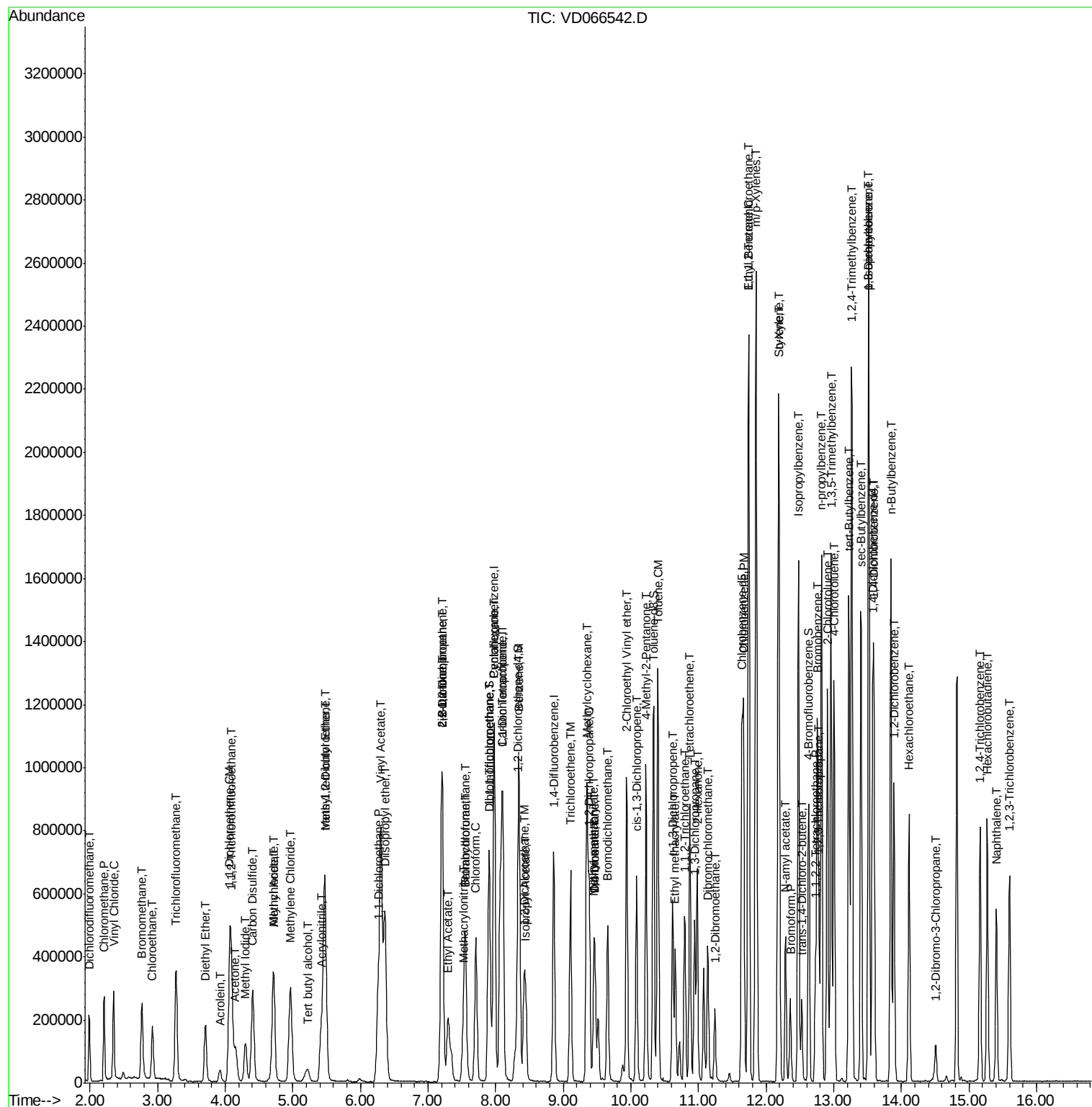
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066542.D
 Acq On : 03 Sep 2020 18:39
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

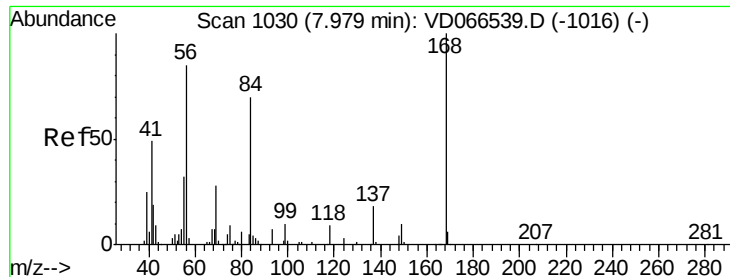
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:55:01 PM

Quant Time: Sep 04 06:04:21 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion:168 Resp: 351514

Ion Ratio Lower Upper

168 100

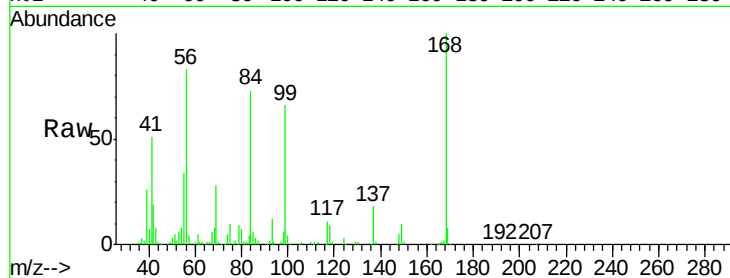
99 66.2 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

9/4/2020 4:55:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

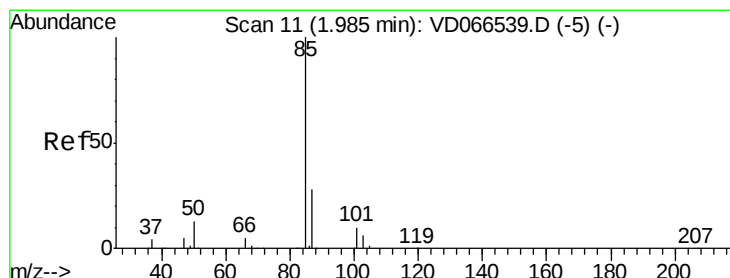
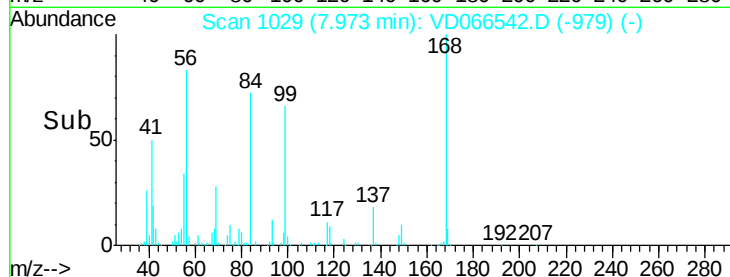
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.364 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066542.D

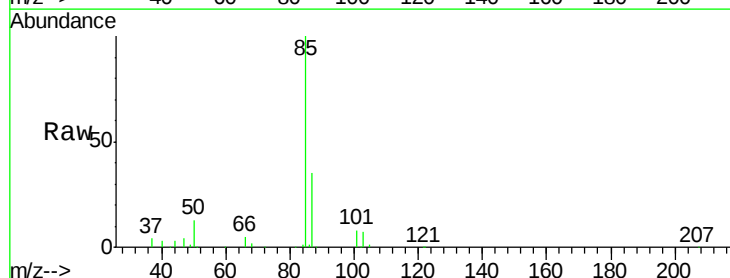
Acq: 03 Sep 2020 18:39

Tgt Ion: 85 Resp: 154128

Ion Ratio Lower Upper

85 100

87 35.5 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

120000

100000

80000

60000

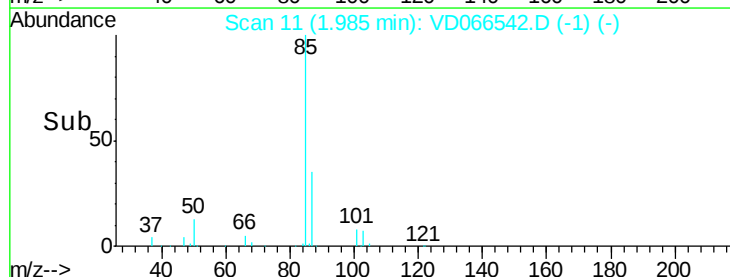
40000

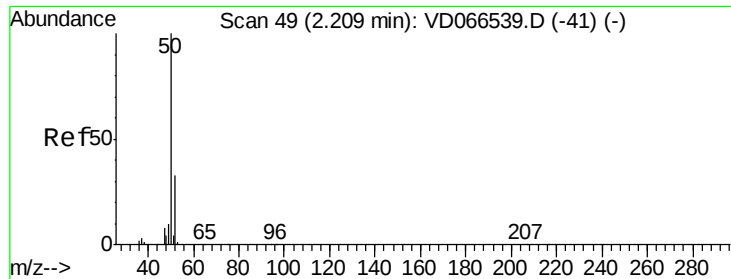
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.659 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 50 Resp: 220754

Ion Ratio Lower Upper

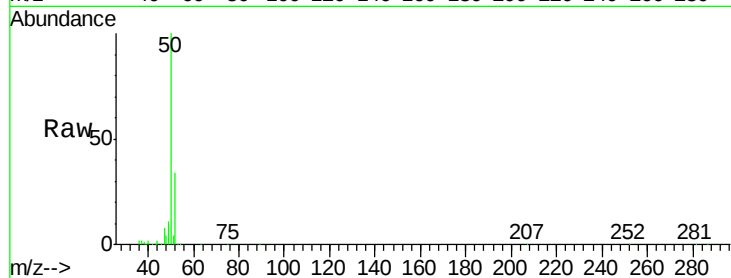
50 100

52 34.2 26.2 39.2

Manual Integrations
APPROVED

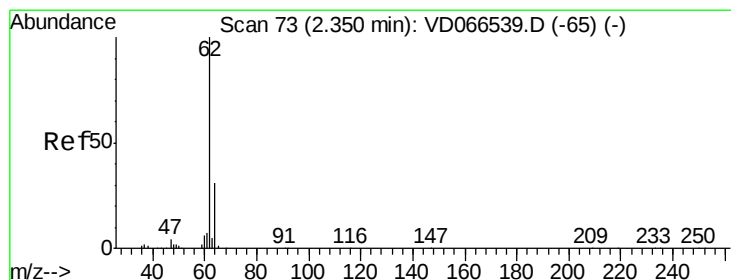
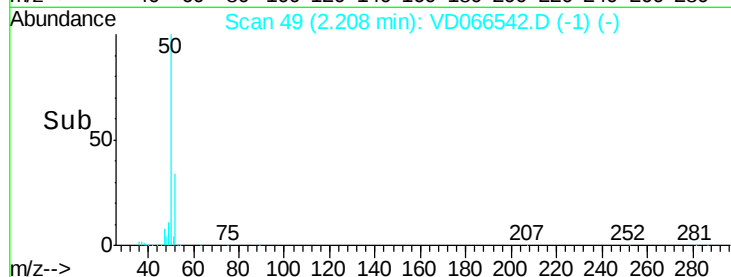
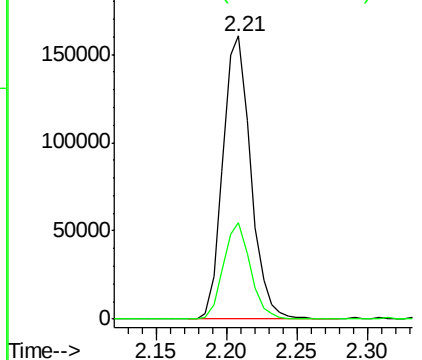
MMDadoda

9/4/2020 4:55:01 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.659 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066542.D

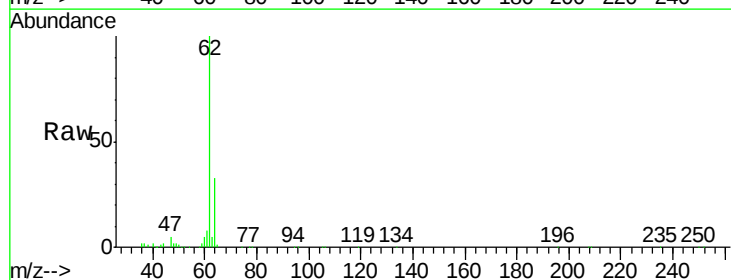
Acq: 03 Sep 2020 18:39

Tgt Ion: 62 Resp: 259634

Ion Ratio Lower Upper

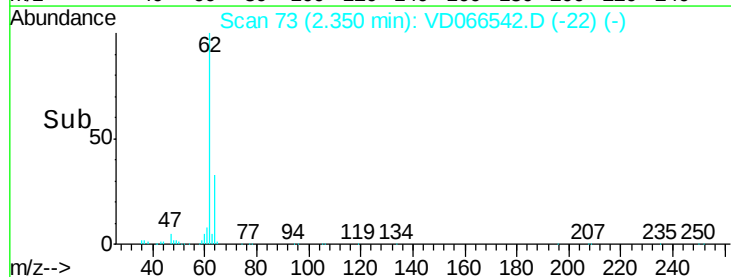
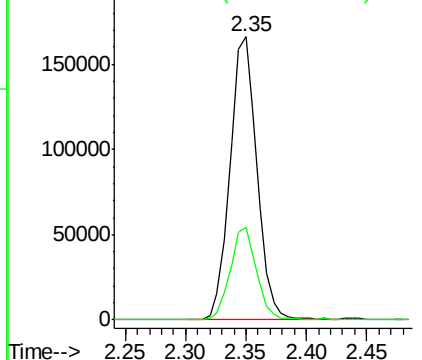
62 100

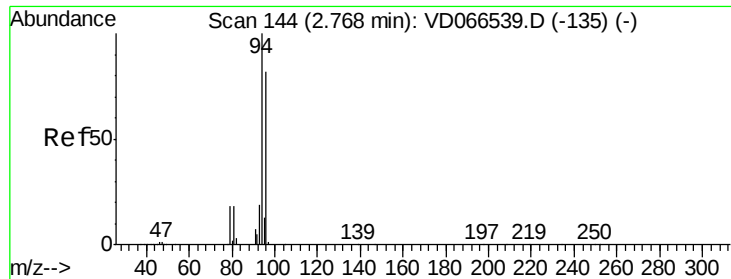
64 32.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 58.988 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 94 Resp: 181321

Ion Ratio Lower Upper

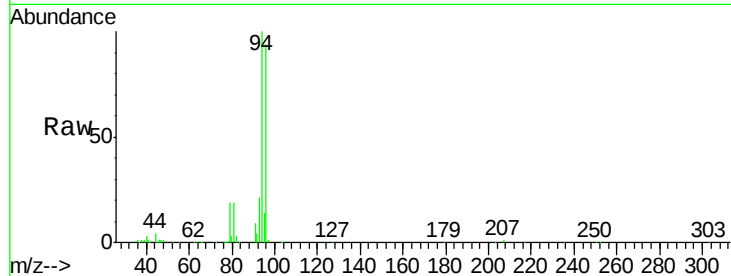
94 100

96 92.9 65.2 97.8

Manual Integrations
APPROVED

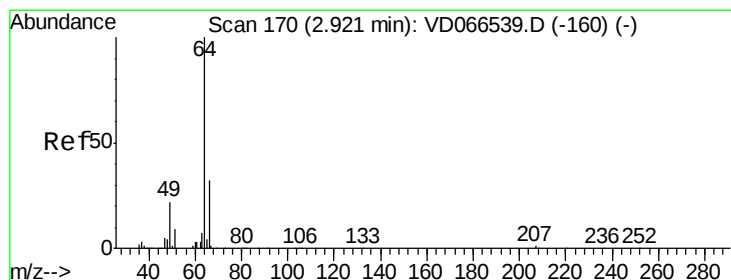
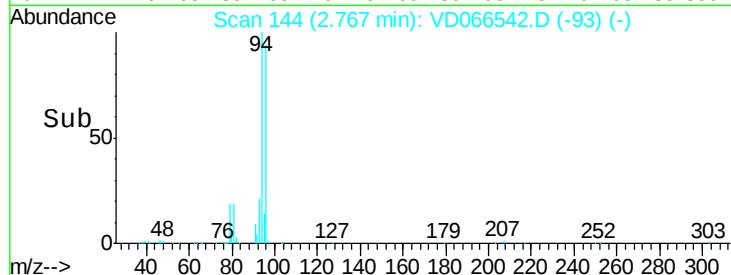
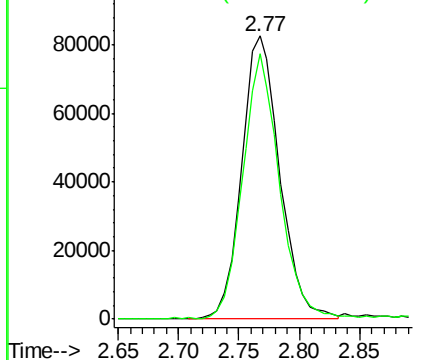
MMDadoda

9/4/2020 4:55:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.896 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066542.D

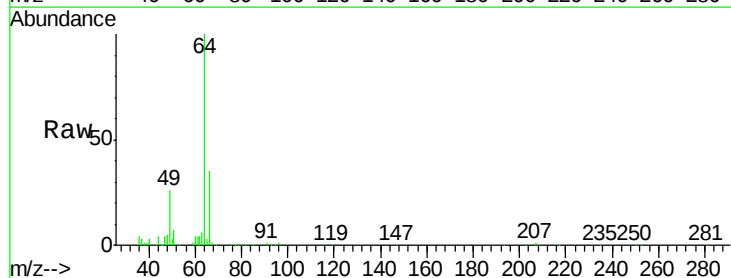
Acq: 03 Sep 2020 18:39

Tgt Ion: 64 Resp: 165653

Ion Ratio Lower Upper

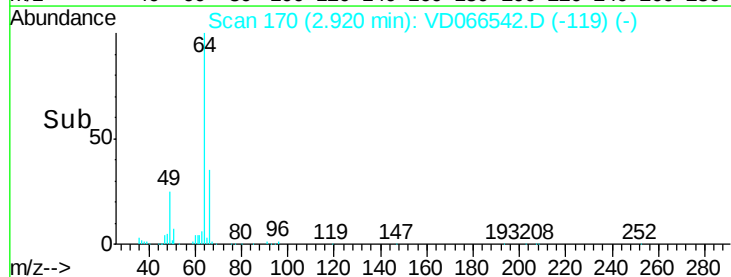
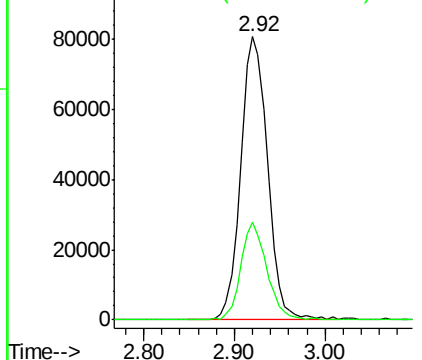
64 100

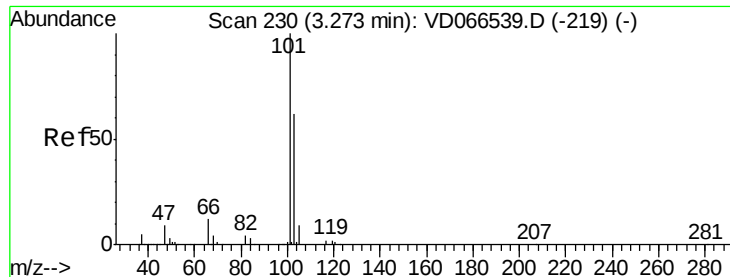
66 34.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

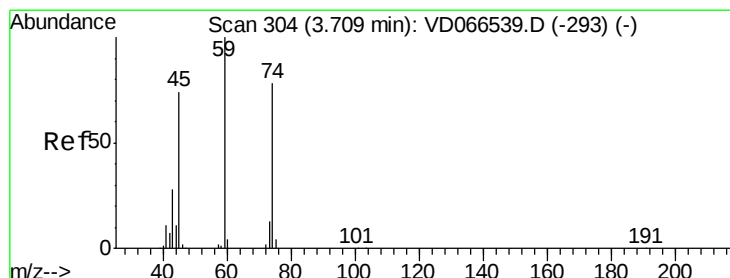
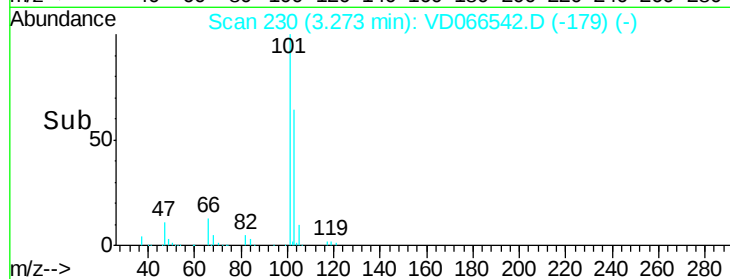
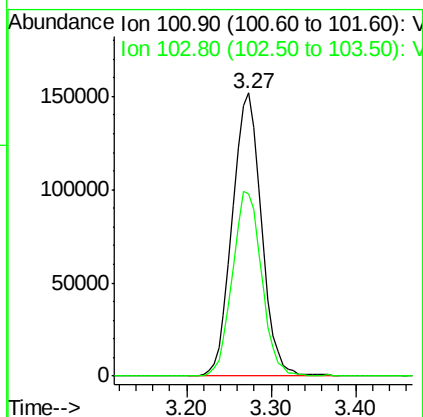
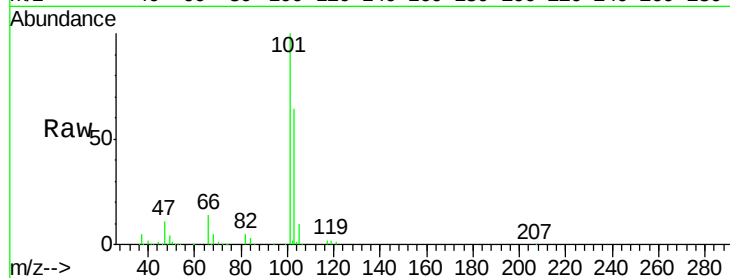
Trichlorofluoromethane
 Concen: 49.628 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.7	74.5

Manual Integrations
 APPROVED

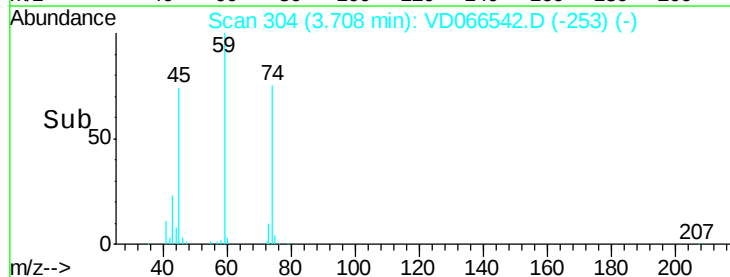
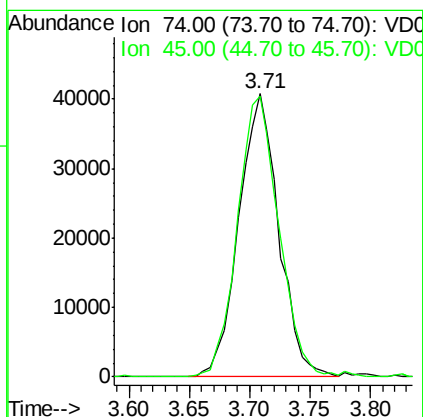
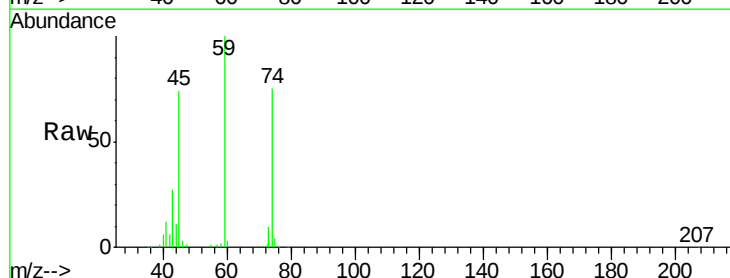
MMDadoda
 9/4/2020 4:55:01 PM

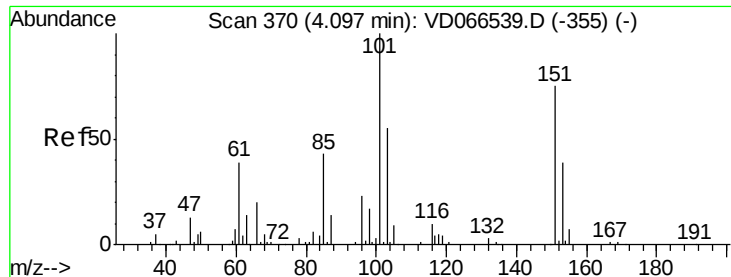


#8

Diethyl Ether
 Concen: 51.181 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.017 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

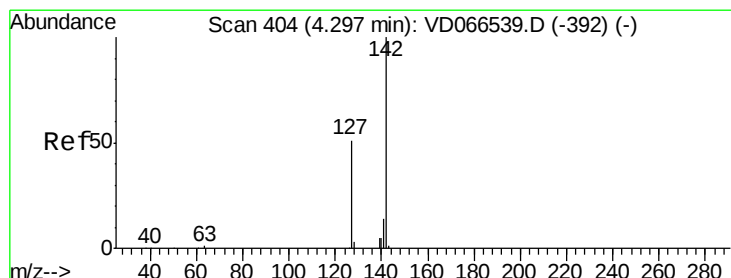
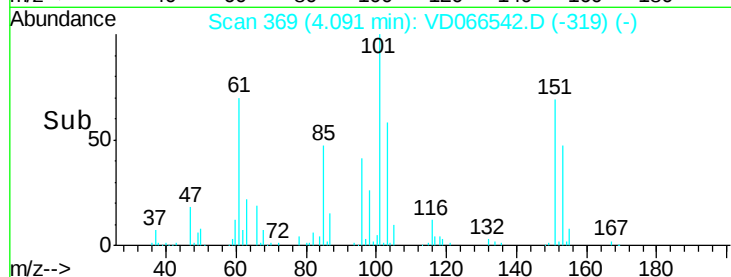
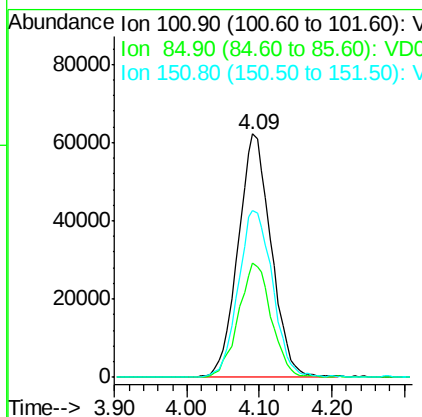
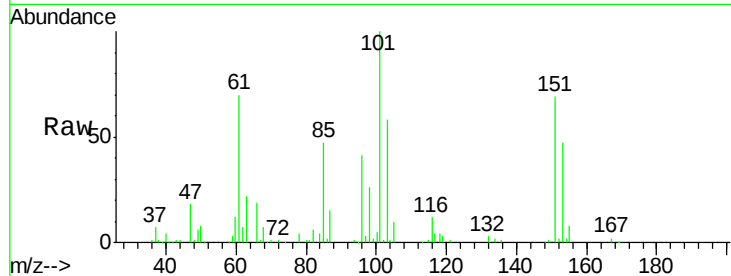
ClientSampleId :

ICVVD090320

Tot Ion:	101	Resp:	197165
Ion Ratio	Lower	Upper	
101	100		
85	46.6	37.0	55.6
151	71.1	59.4	89.2

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#10

Methyl Iodide

Concen: 54.470 ug/l

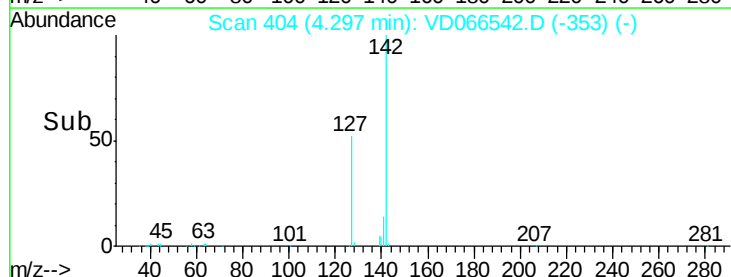
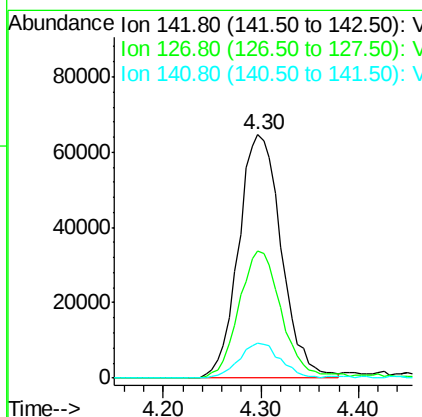
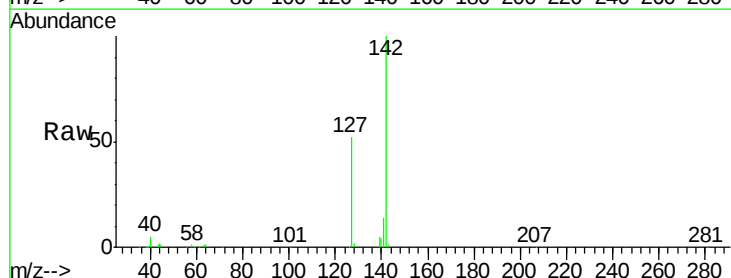
RT: 4.30 min Scan# 404

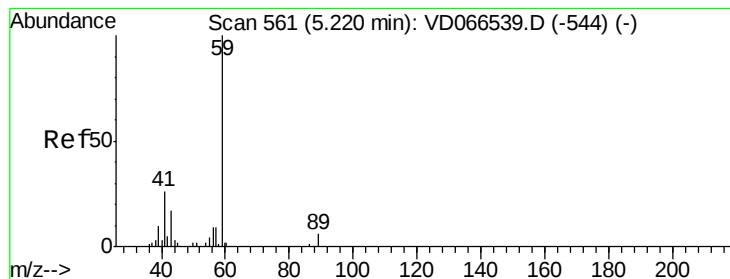
Delta R.T. 0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion:	142	Resp:	197263
Ion Ratio	Lower	Upper	
142	100		
127	52.1	40.6	61.0
141	14.0	12.2	18.4





#11

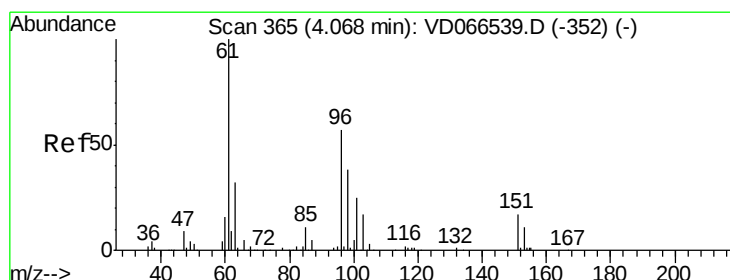
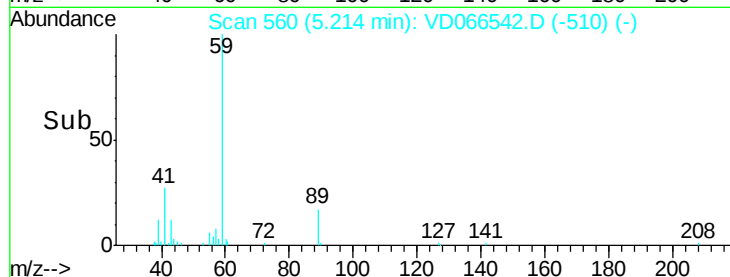
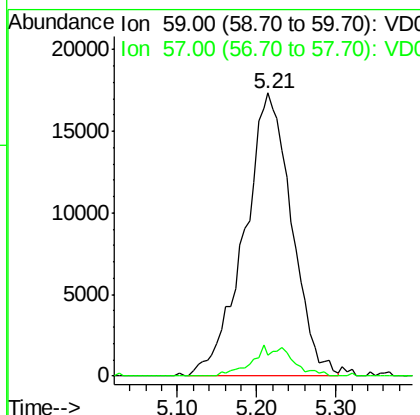
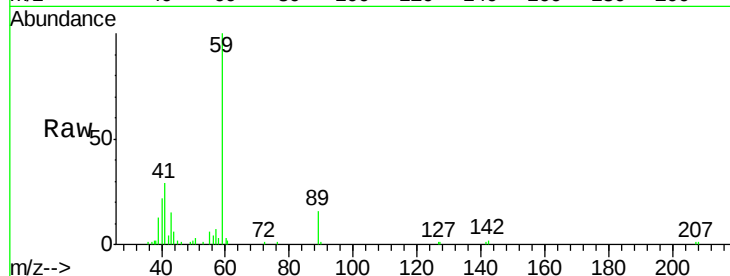
Tert butyl alcohol
 Concen: 275.123 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

Tot Ion: 59 Resp: 71973
 Ion Ratio Lower Upper
 59 100
 57 4.1 7.6 11.4#

Manual Integrations
 APPROVED

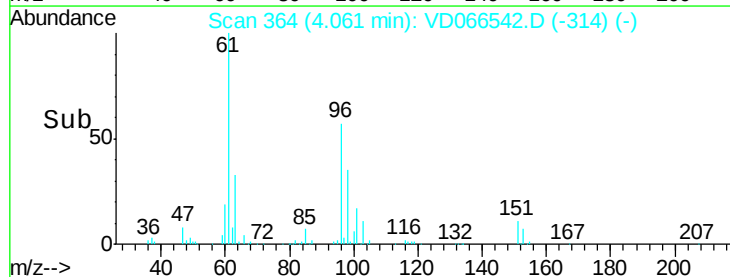
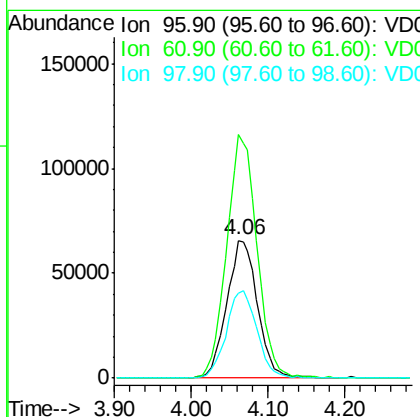
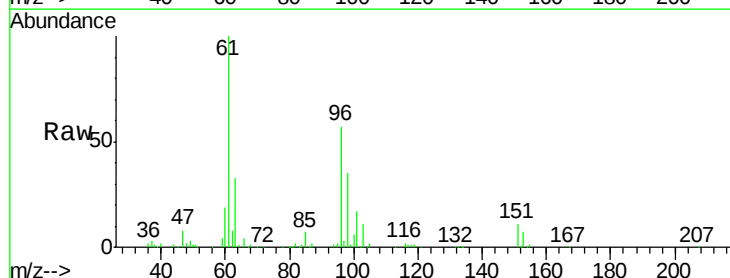
MMDadoda
 9/4/2020 4:55:01 PM

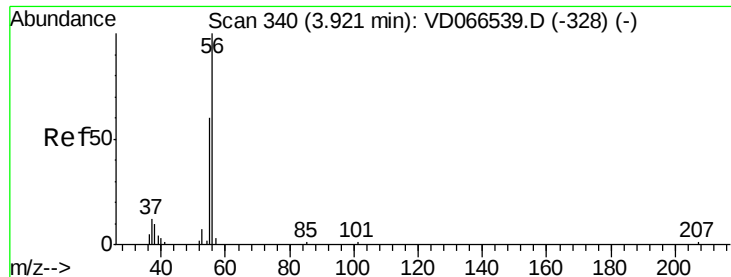


#12

1,1-Dichloroethene
 Concen: 51.751 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion: 96 Resp: 183279
 Ion Ratio Lower Upper
 96 100
 61 176.4 140.9 211.3
 98 62.0 53.2 79.8





#13

Acrolein

Concen: 251.999 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 56 Resp: 43822

Ion Ratio Lower Upper

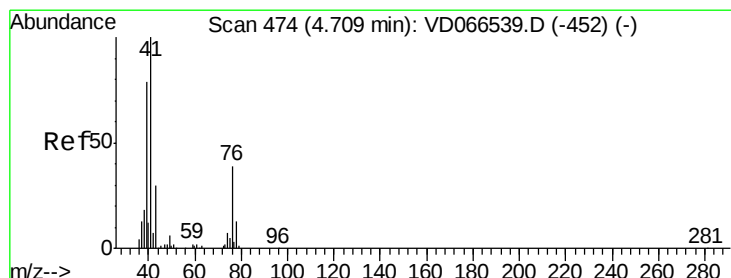
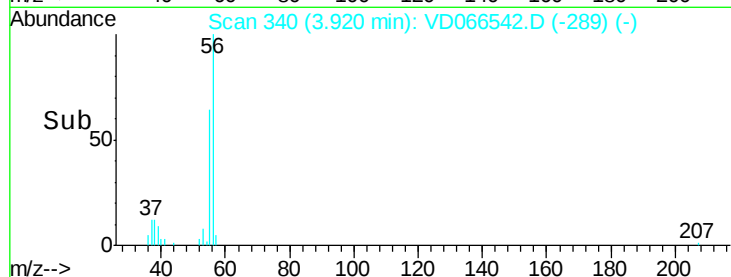
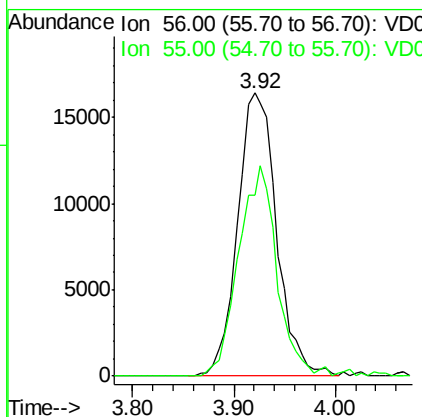
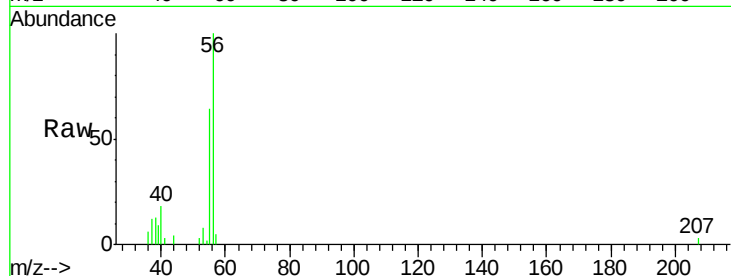
56 100

55 72.9 53.6 80.4

Manual Integrations
APPROVED

MMDadoda

9/4/2020 4:55:01 PM



#14

Allyl chloride

Concen: 53.413 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

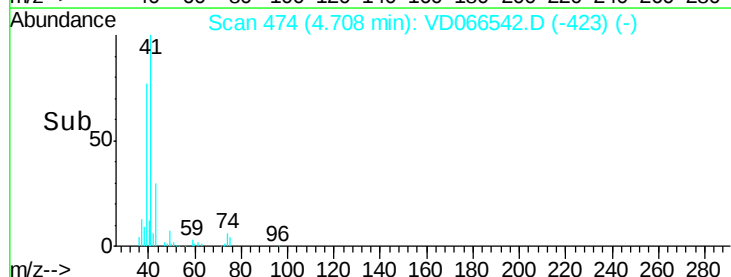
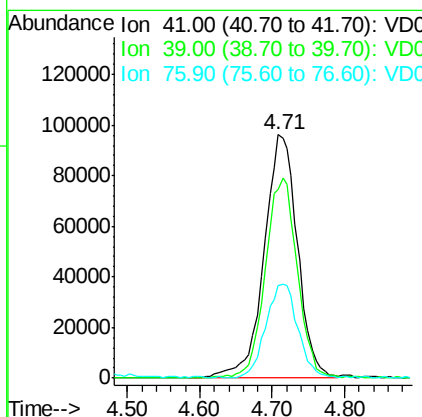
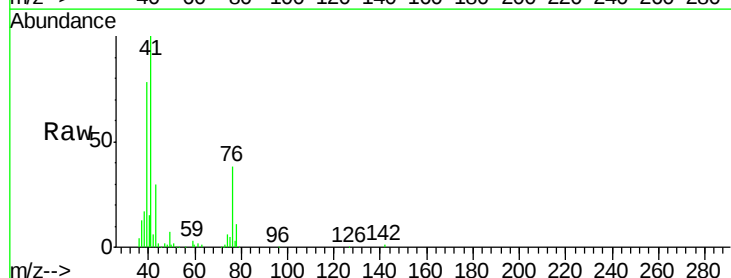
Tgt Ion: 41 Resp: 310015

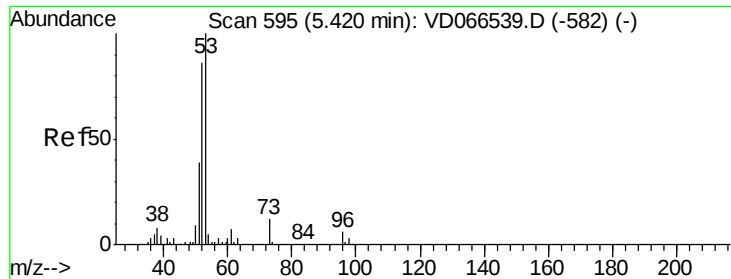
Ion Ratio Lower Upper

41 100

39 78.9 61.9 92.9

76 37.5 29.0 43.6





#15

Acrylonitrile

Concen: 274.754 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

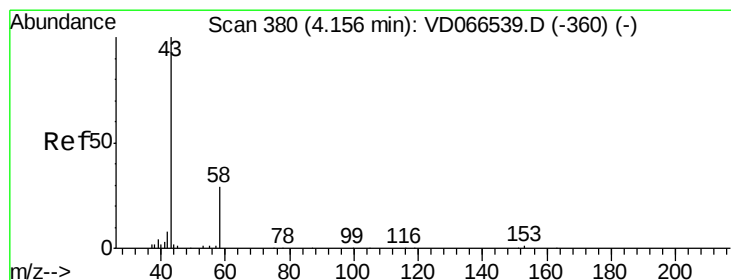
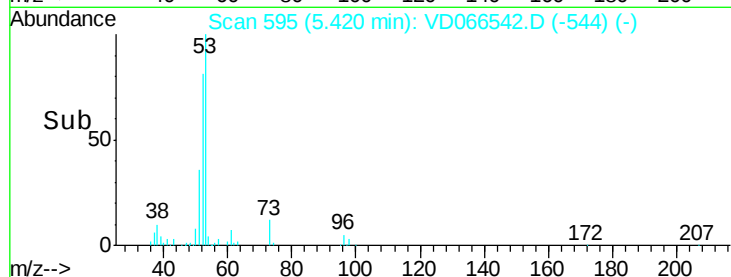
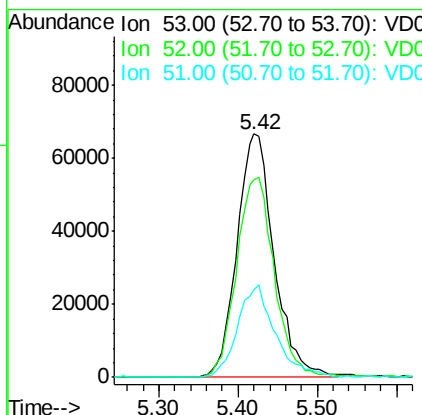
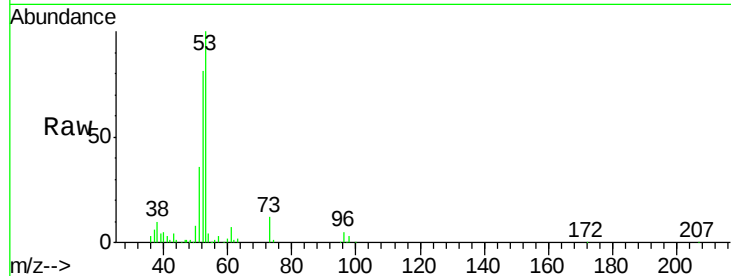
ClientSampleId :

ICVVD090320

Tot Ion:	53	Resp:	216477
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.4	98.2
51	38.6	31.2	46.8

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#16

Acetone

Concen: 225.055 ug/l

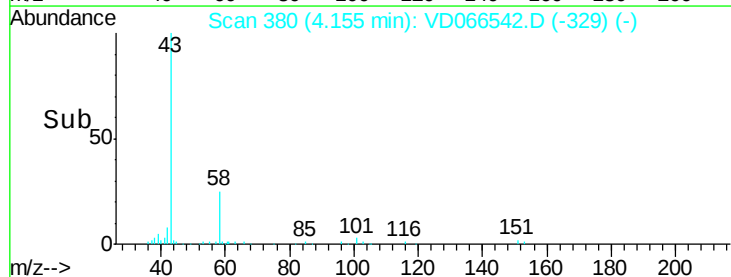
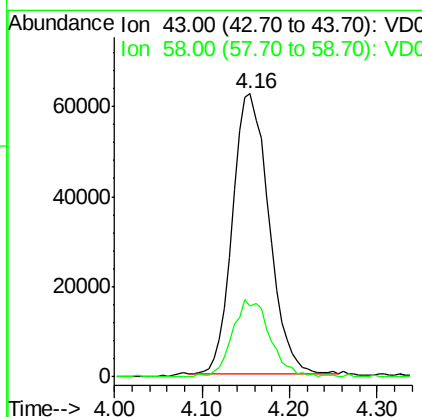
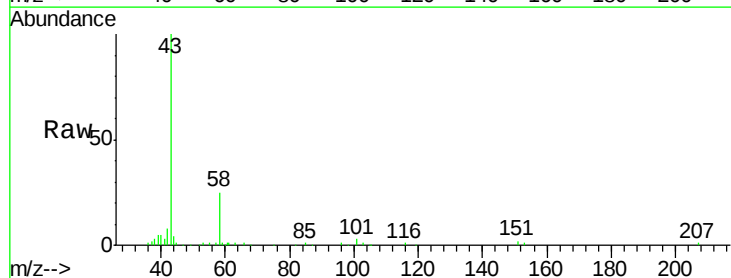
RT: 4.16 min Scan# 380

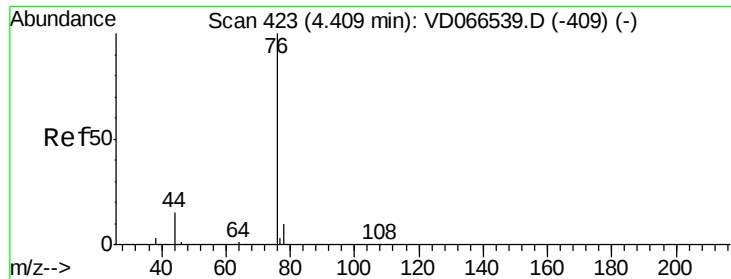
Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion:	43	Resp:	176114
Ion	Ratio	Lower	Upper
43	100		
58	25.4	22.9	34.3





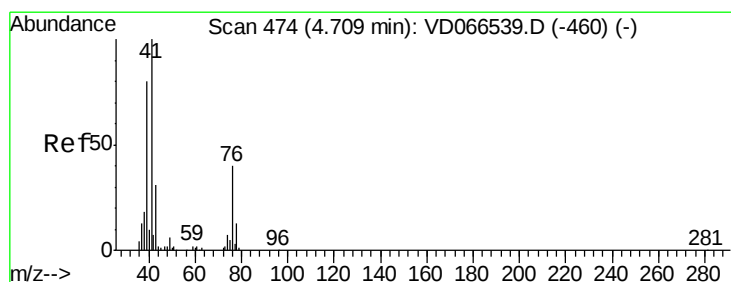
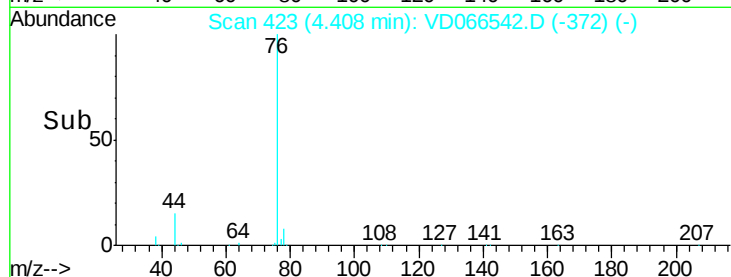
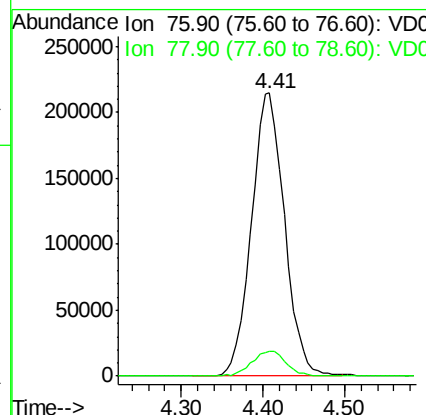
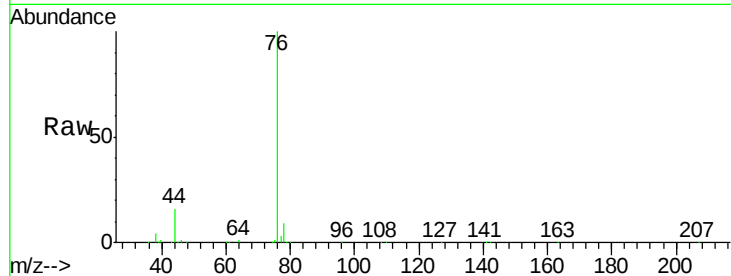
#17
Carbon Disulfide
Concen: 51.830 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.6	11.4

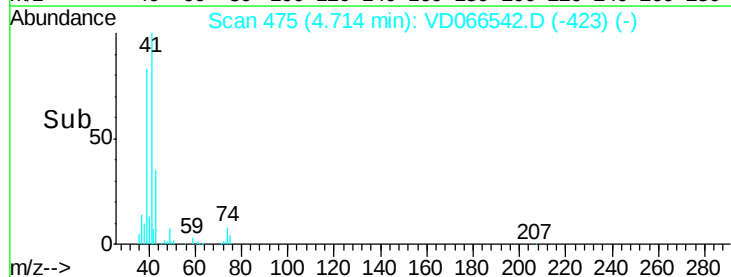
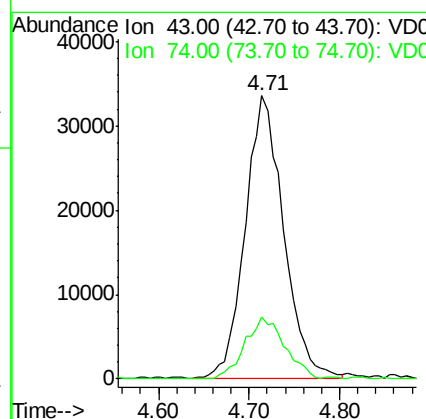
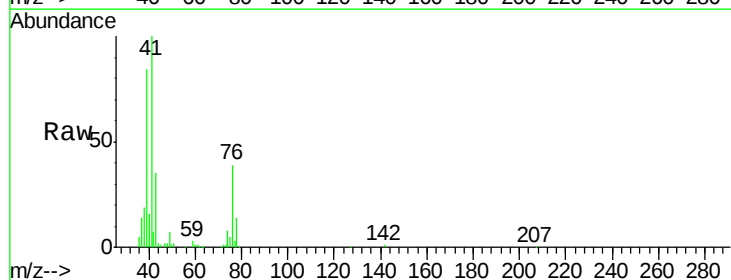
Manual Integrations
APPROVED

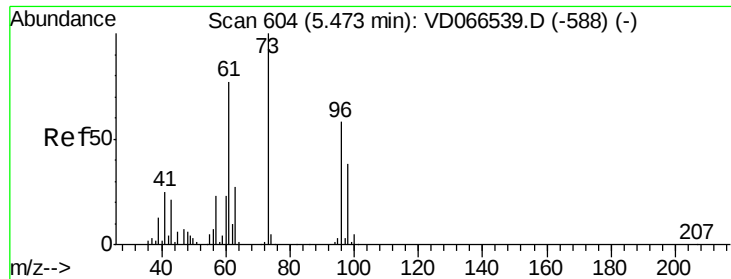
MMDadoda
9/4/2020 4:55:01 PM



#18
Methyl Acetate
Concen: 53.252 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.0	27.0





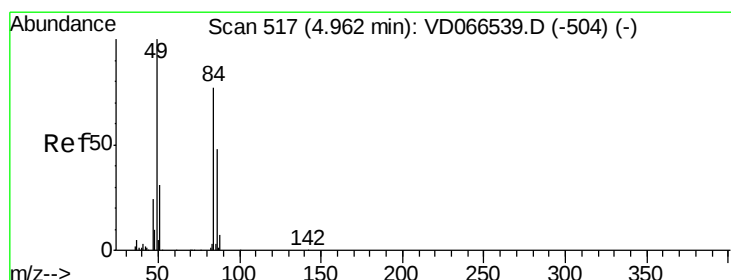
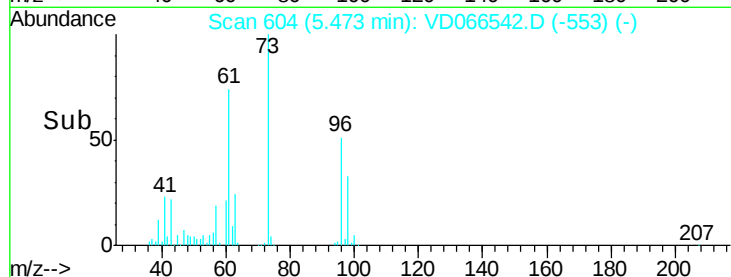
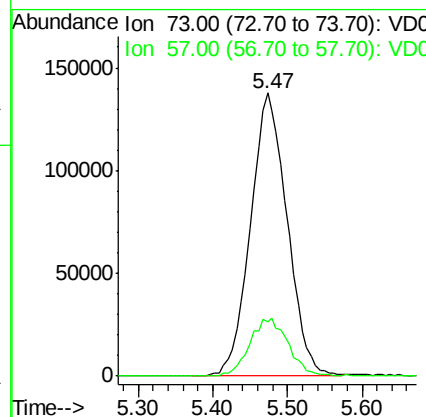
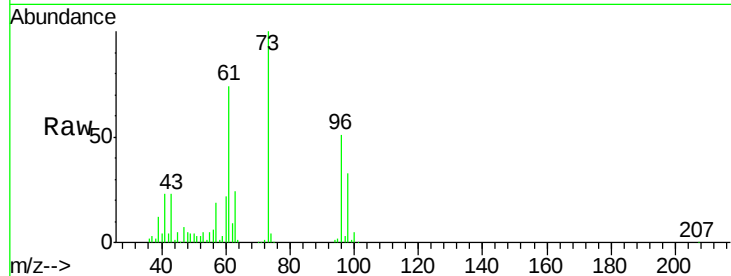
#19
Methvl tert-butvl Ether
Concen: 56.482 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion: 73 Resp: 469080
Ion Ratio Lower Upper
73 100
57 19.3 18.3 27.5

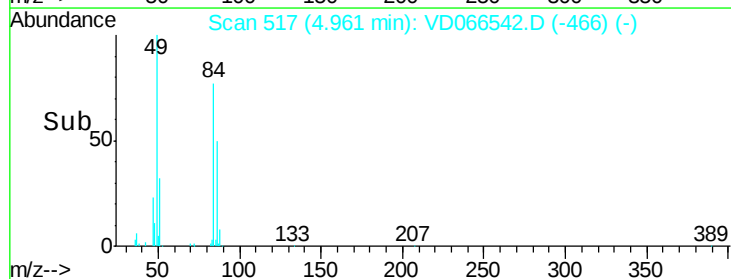
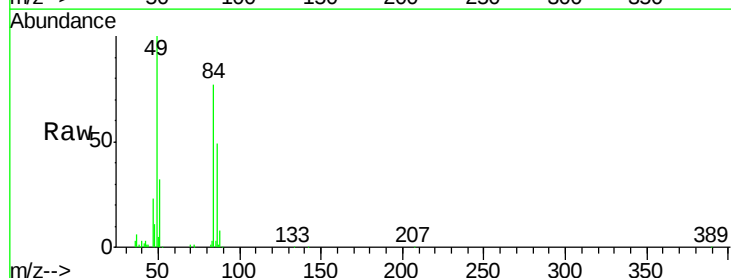
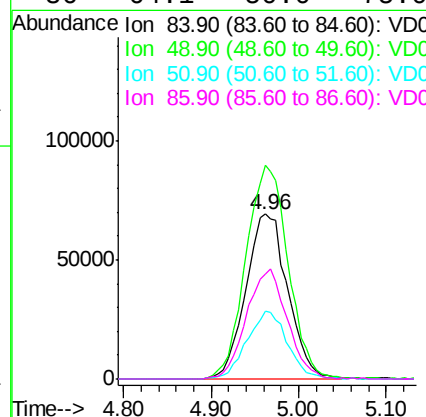
Manual Integrations
APPROVED

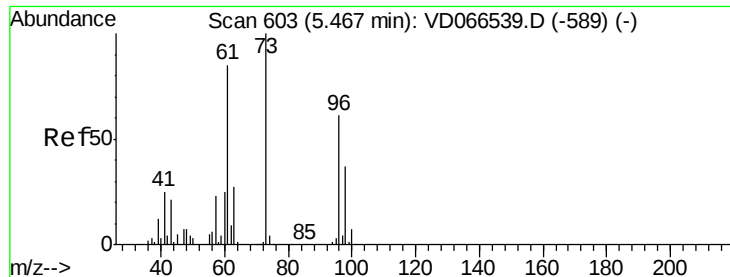
MMDadoda
9/4/2020 4:55:01 PM



#20
Methylene Chloride
Concen: 53.429 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 84 Resp: 225921
Ion Ratio Lower Upper
84 100
49 129.7 104.3 156.5
51 41.5 32.2 48.4
86 64.1 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 52.424 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

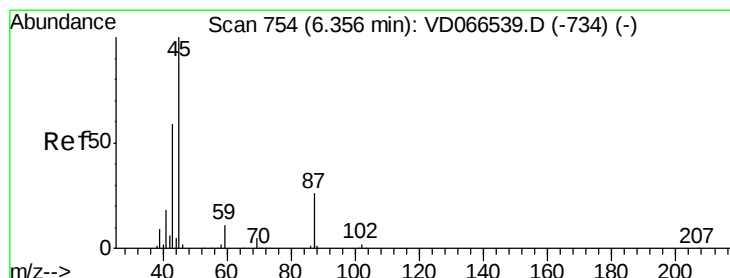
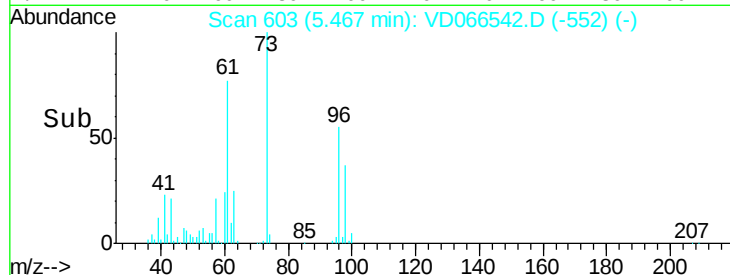
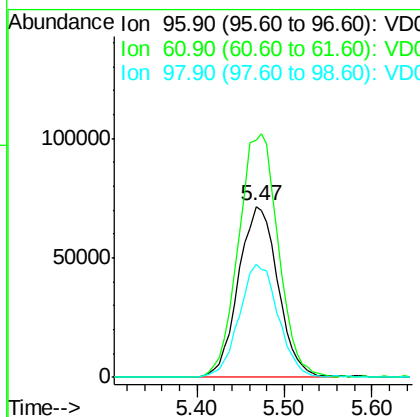
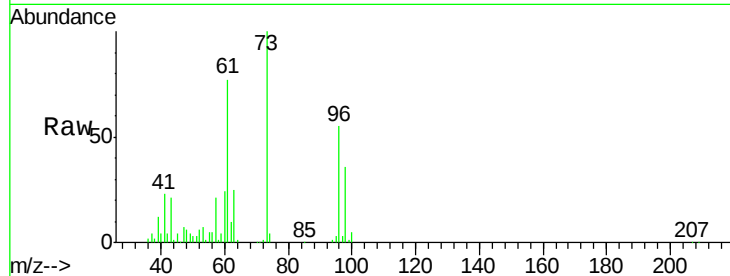
ClientSampleId :

ICVVD090320

Tot Ion:	96	Resp:	220471
Ion	Ratio	Lower	Upper
96	100		
61	139.3	112.1	168.1
98	65.7	48.6	72.8

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#22

Diisopropyl ether

Concen: 56.753 ug/l

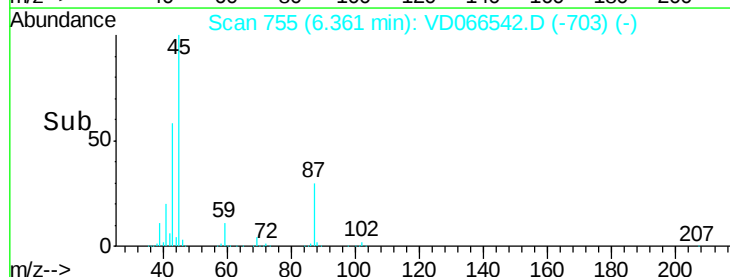
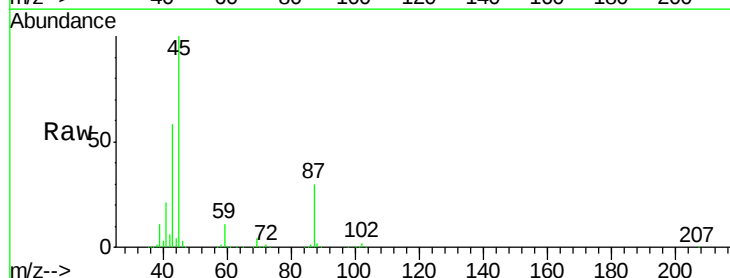
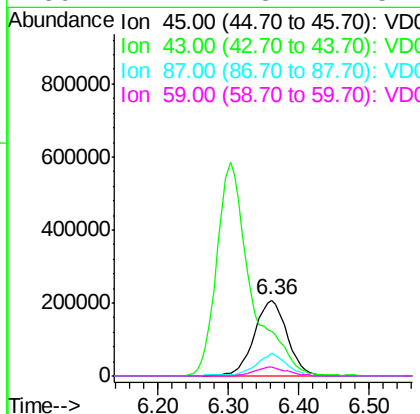
RT: 6.36 min Scan# 755

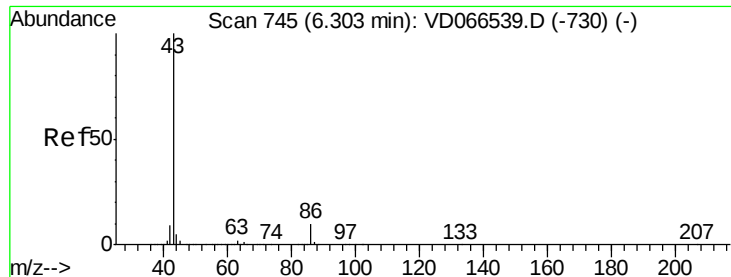
Delta R.T. 0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion:	45	Resp:	677388
Ion	Ratio	Lower	Upper
45	100		
43	57.3	47.0	70.4
87	29.5	21.3	31.9
59	11.2	8.7	13.1





#23

Vinyl Acetate

Concen: 289.515 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 43 Resp: 1966463

Ion Ratio Lower Upper

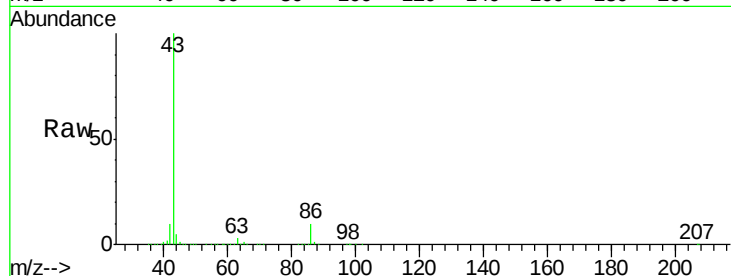
43 100

86 10.0 7.7 11.5

Manual Integrations
APPROVED

MMDadoda

9/4/2020 4:55:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

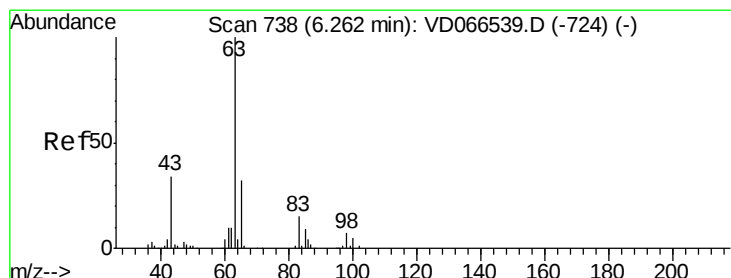
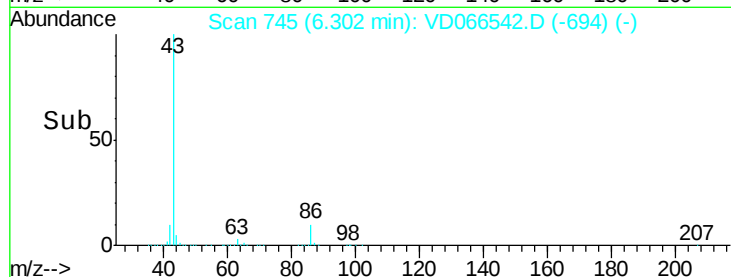
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 53.216 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

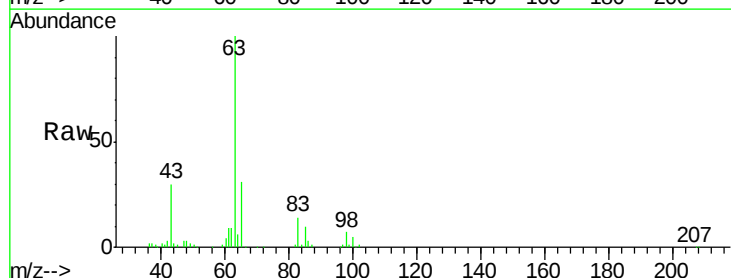
Tgt Ion: 63 Resp: 399429

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.7 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

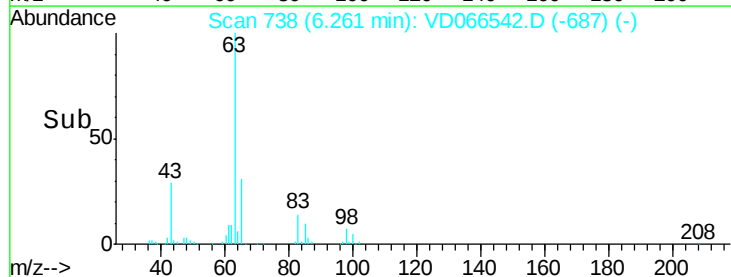
150000

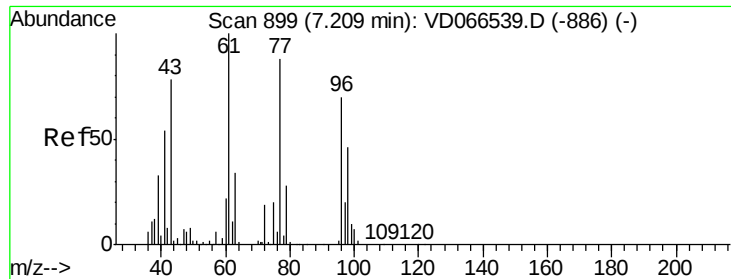
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





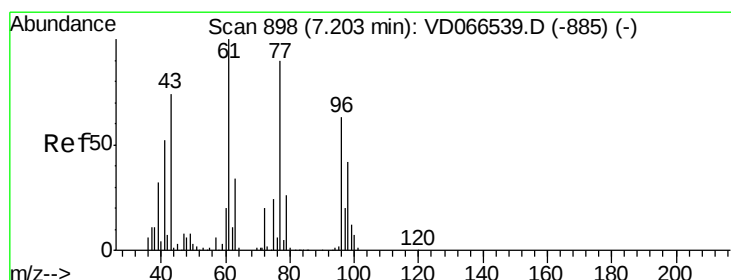
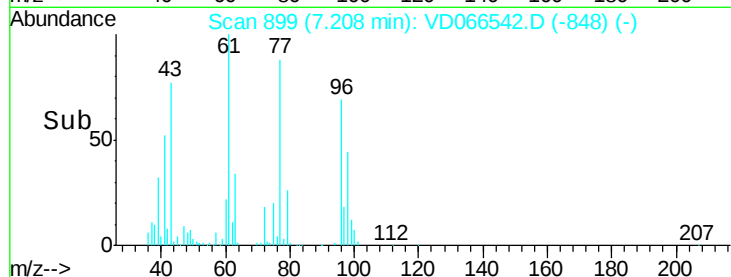
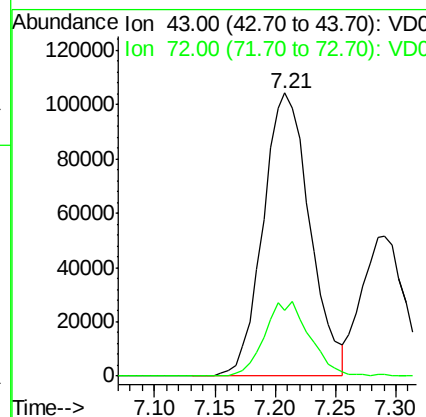
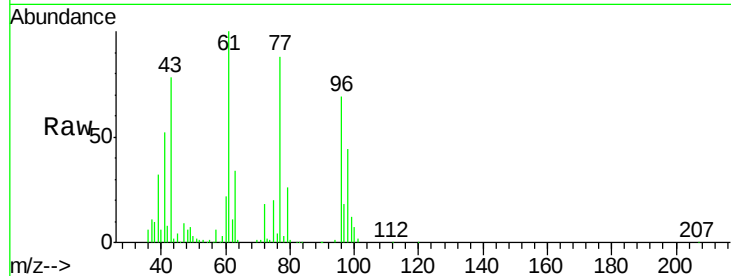
#25
2-Butanone
Concen: 266.117 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion: 43 Resp: 279548
Ion Ratio Lower Upper
43 100
72 23.1 19.8 29.6

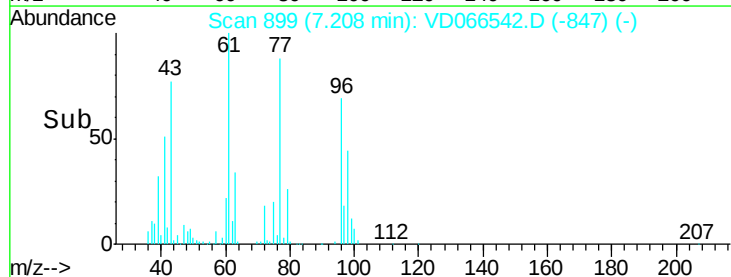
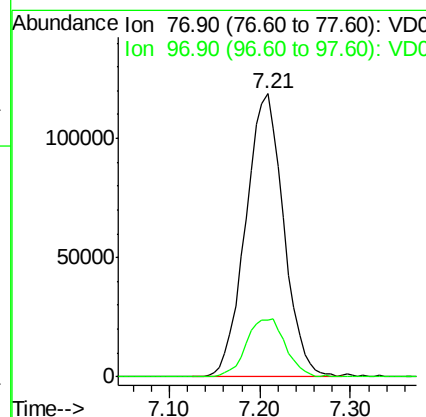
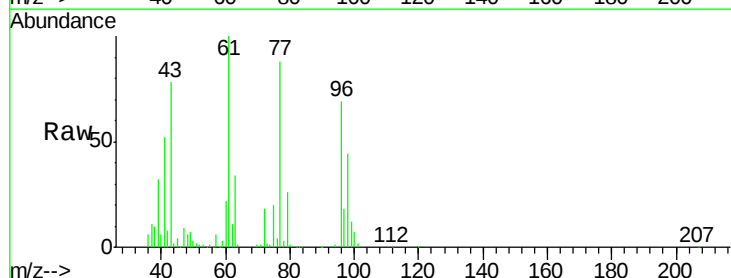
Manual Integrations
APPROVED

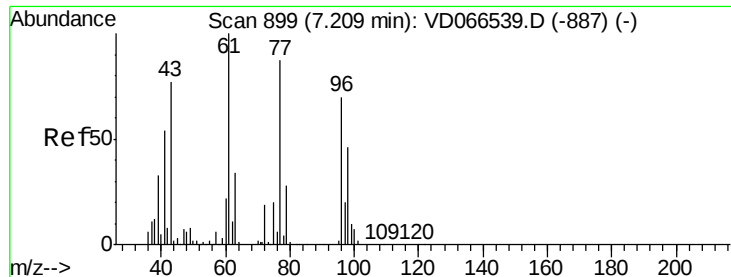
MMDadoda
9/4/2020 4:55:01 PM



#26
2,2-Dichloropropane
Concen: 50.217 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 77 Resp: 345746
Ion Ratio Lower Upper
77 100
97 21.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 54.973 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

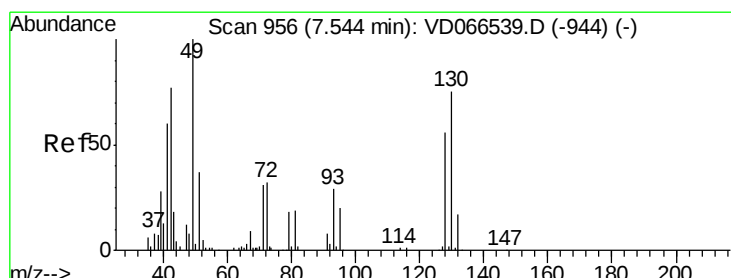
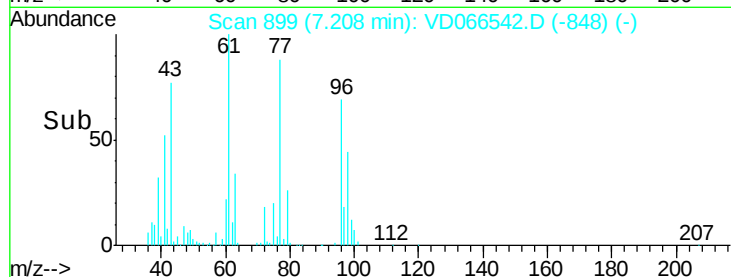
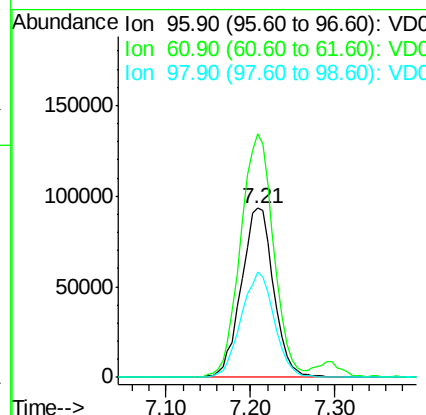
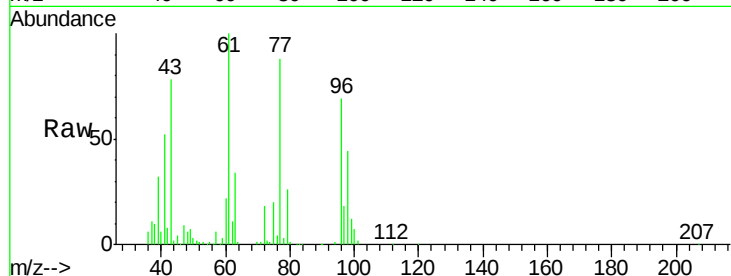
ClientSampleId :

ICVVD090320

Tot Ion:	96	Resp:	248616
Ion Ratio	Lower	Upper	
96	100		
61	146.7	0.0	301.0
98	63.3	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#28

Bromochloromethane

Concen: 57.856 ug/l

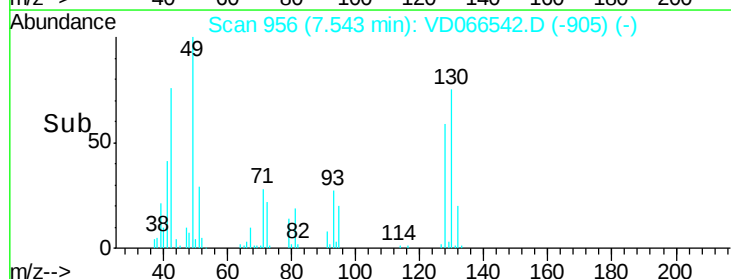
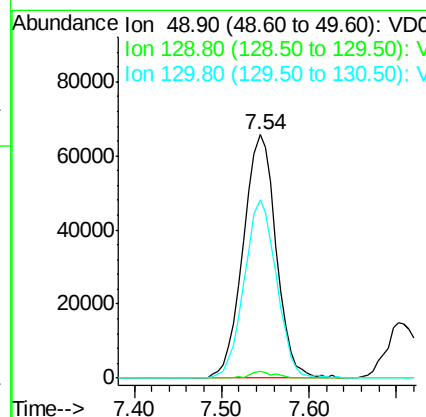
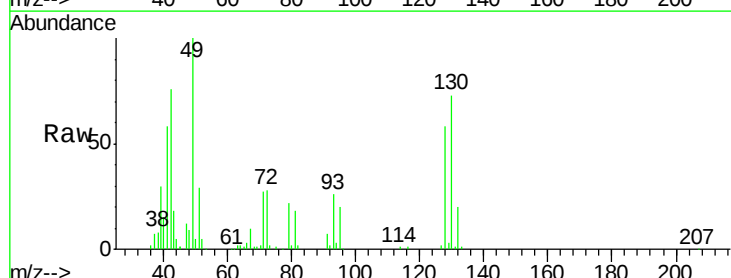
RT: 7.54 min Scan# 956

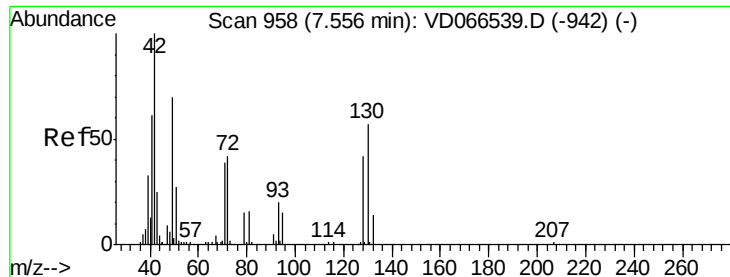
Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion:	49	Resp:	167188
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	2.6
130	71.4	58.2	87.2





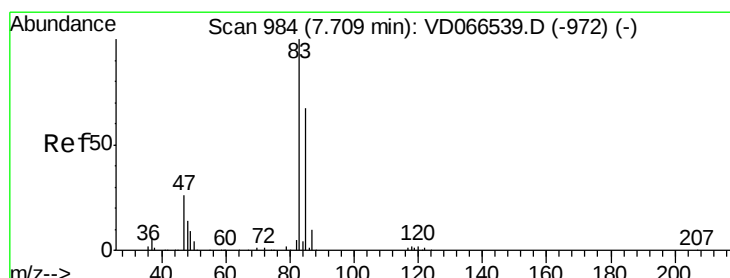
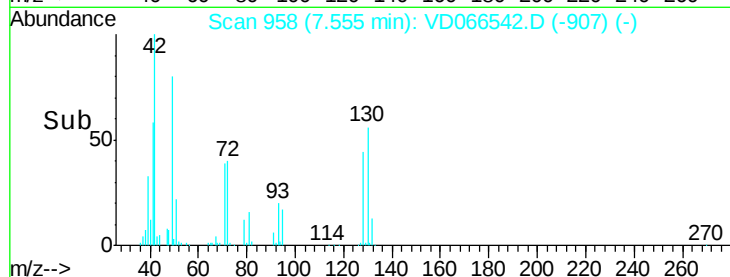
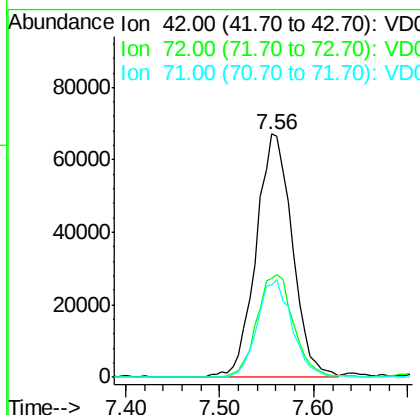
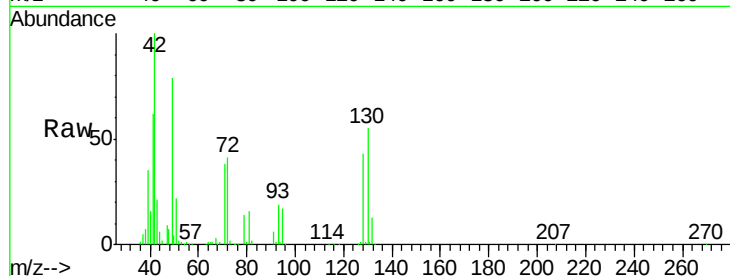
#29
Tetrahydrofuran
Concen: 274.496 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion:	42	Resp:	179582
Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.4	50.0
71	38.5	31.9	47.9

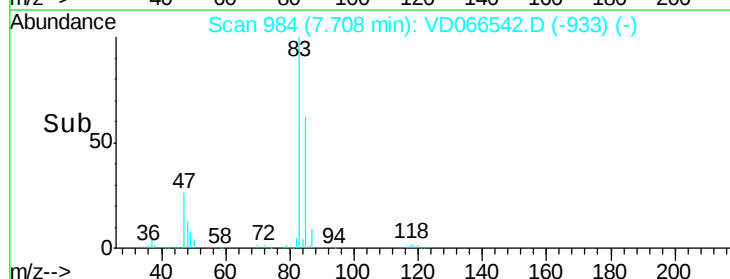
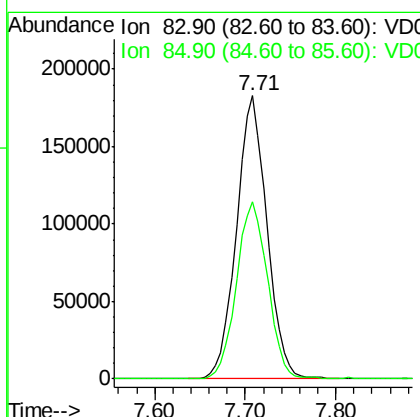
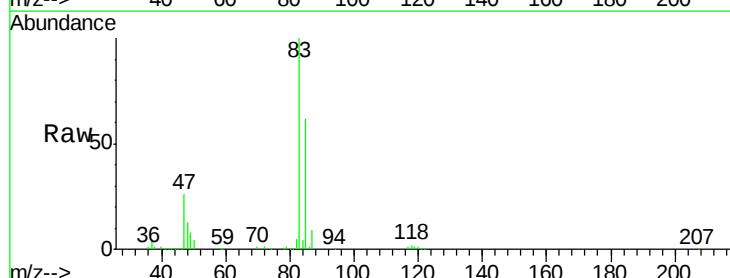
Manual Integrations
APPROVED

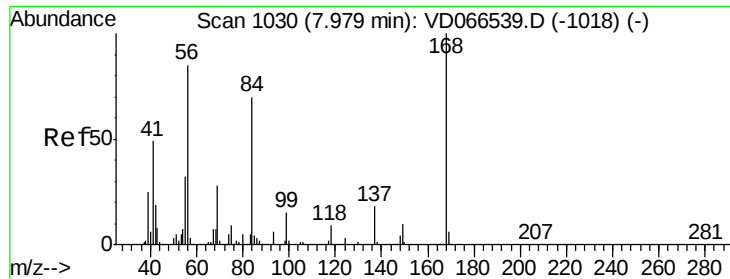
MMDadoda
9/4/2020 4:55:01 PM



#30
Chloroform
Concen: 53.780 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion:	83	Resp:	427050
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.6	80.4





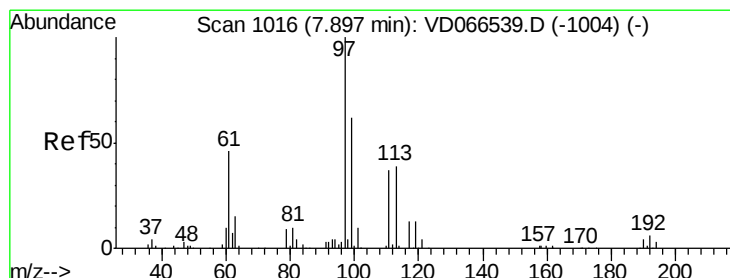
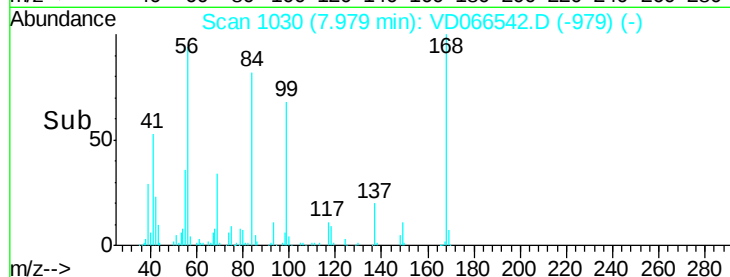
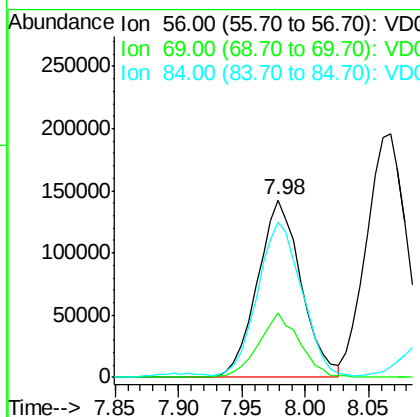
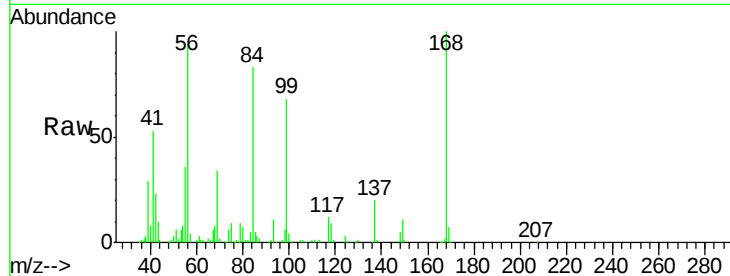
#31
Cyclohexane
Concen: 49.167 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	26.3	39.5
84	85.6	66.1	99.1

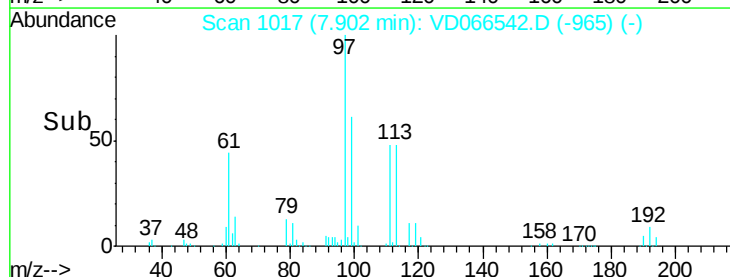
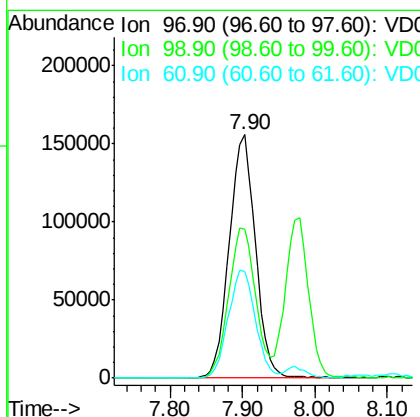
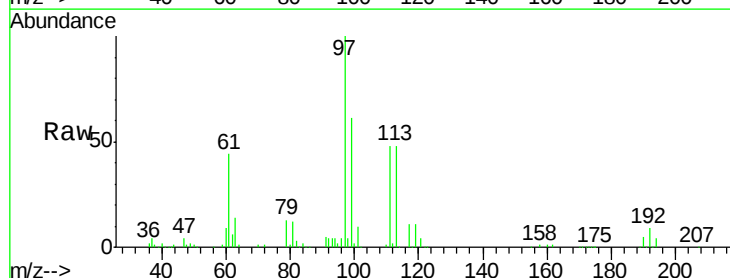
Manual Integrations
APPROVED

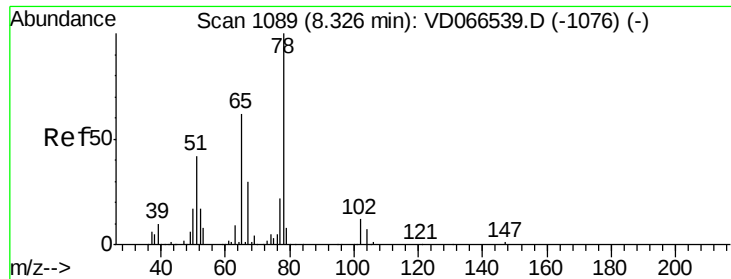
MMDadoda
9/4/2020 4:55:01 PM



#32
1,1,1-Trichloroethane
Concen: 52.510 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.4	77.0
61	45.9	37.4	56.0





#33

1,2-Dichloroethane-d4

Concen: 55.699 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 65 Resp: 236888

Ion Ratio Lower Upper

65 100

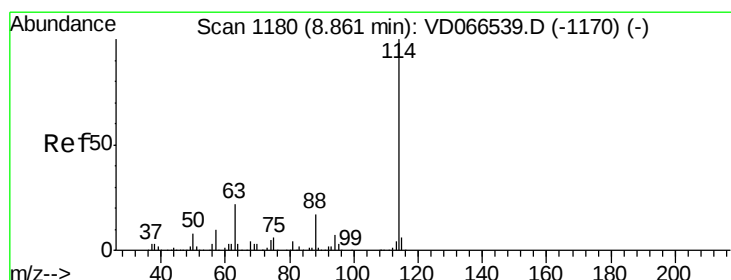
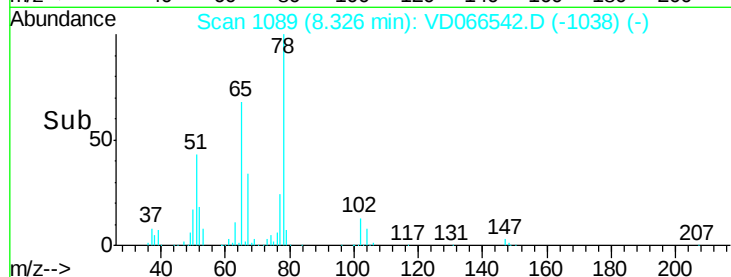
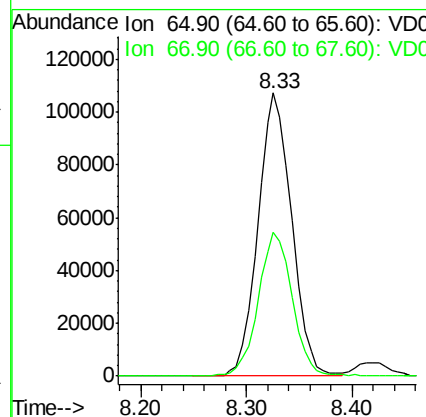
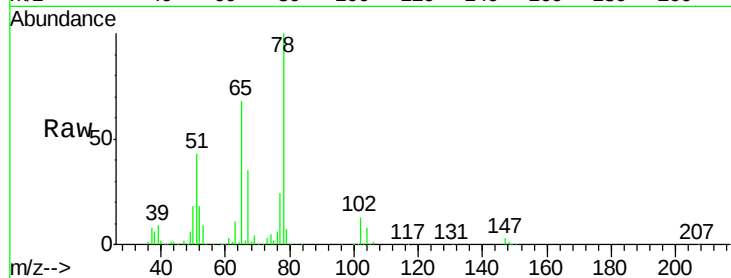
67 51.5 0.0 102.8

Manual Integrations

APPROVED

MMDadoda

9/4/2020 4:55:01 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

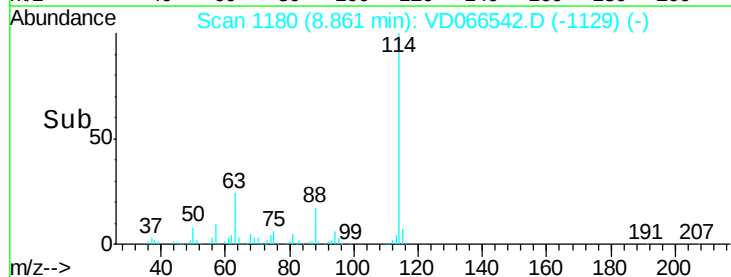
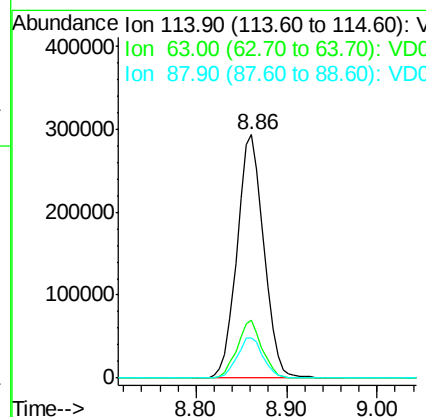
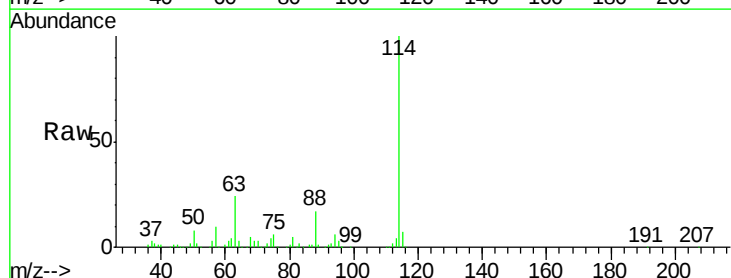
Tgt Ion: 114 Resp: 602093

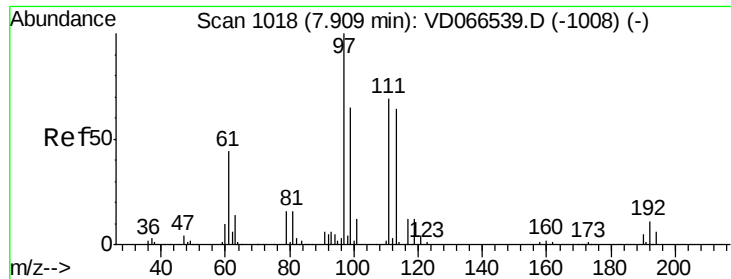
Ion Ratio Lower Upper

114 100

63 23.9 0.0 43.2

88 16.7 0.0 33.2





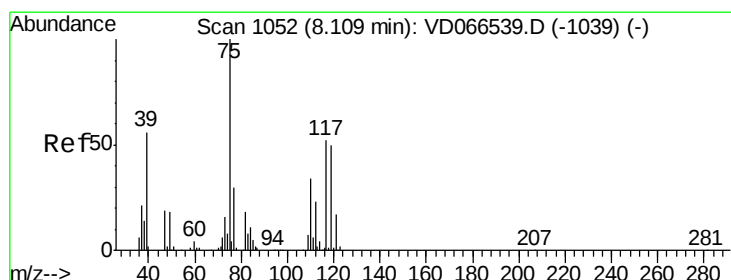
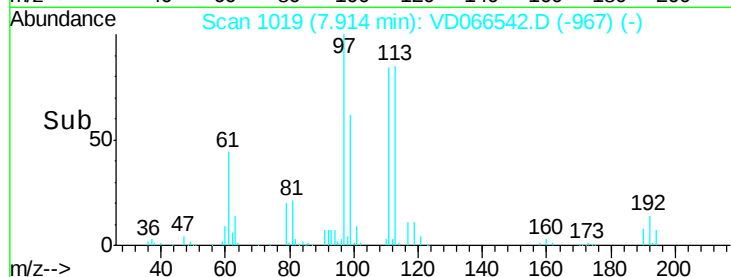
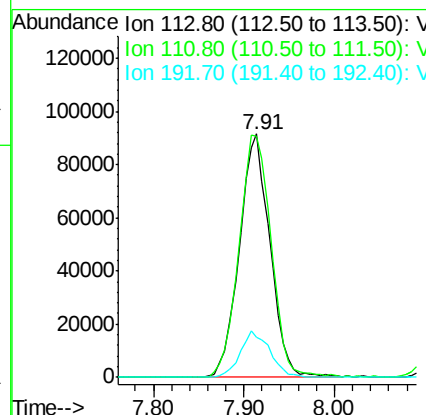
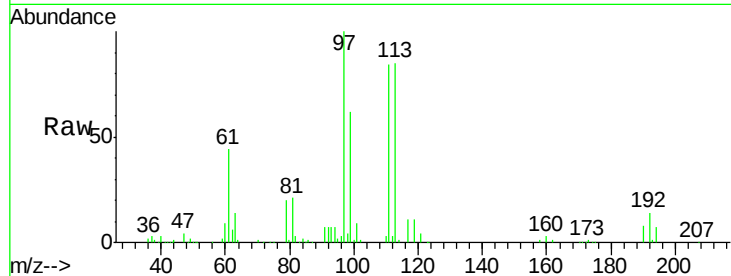
#35
Dibromofluoromethane
Concen: 52.916 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Resp	Lower	Upper
113	100	214931		
111	104.7	83.2	124.8	
192	18.5	13.7	20.5	

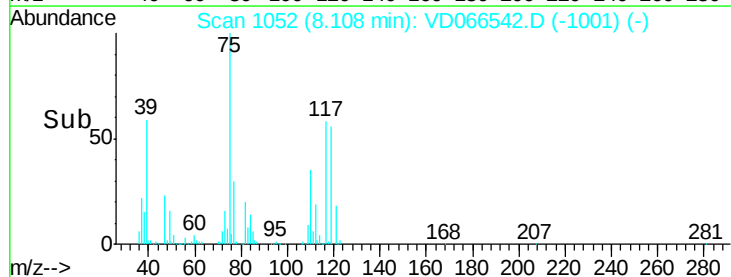
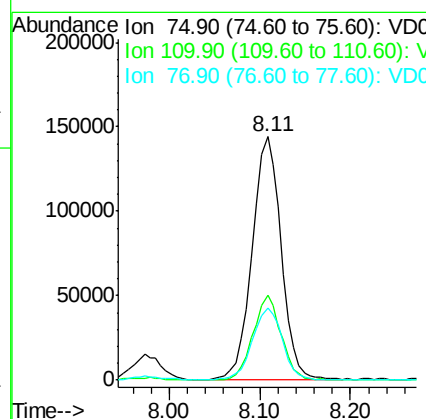
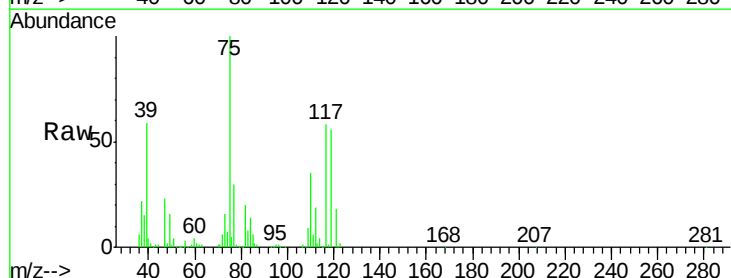
Manual Integrations
APPROVED

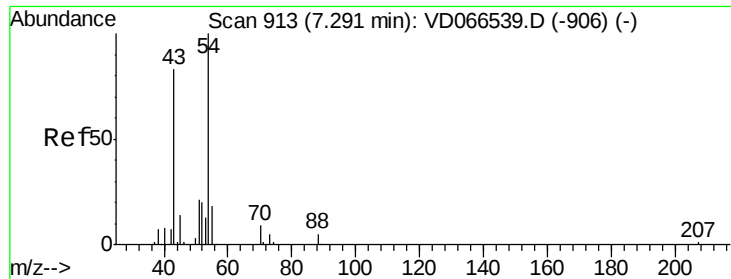
MMDadoda
9/4/2020 4:55:01 PM



#36
1,1-Dichloropropene
Concen: 51.090 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	320127		
110	33.8	17.3	52.0	
77	30.7	25.1	37.7	





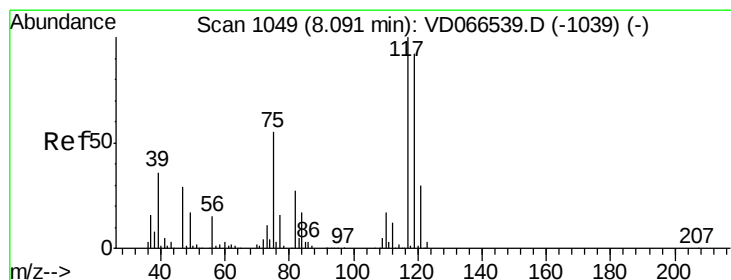
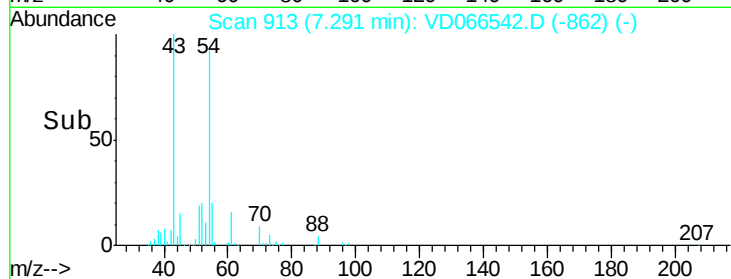
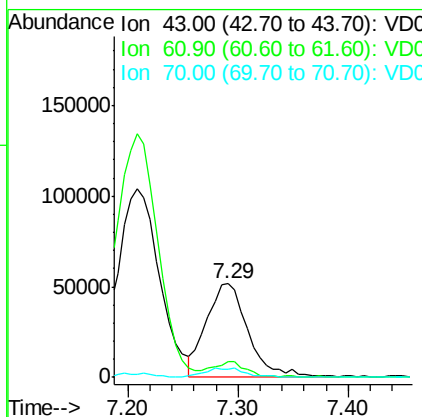
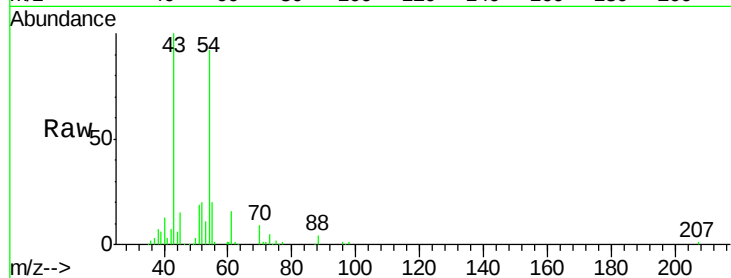
#37
Ethyl Acetate
Concen: 53.312 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	11.8	17.8
70	9.6	7.9	11.9

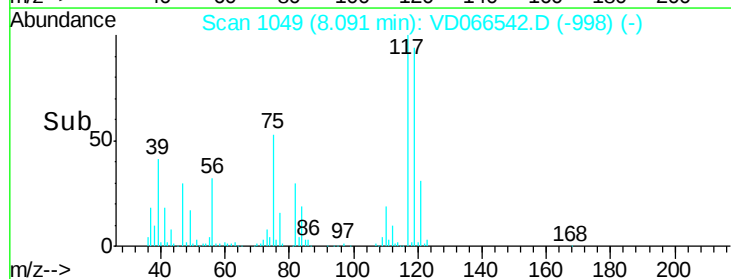
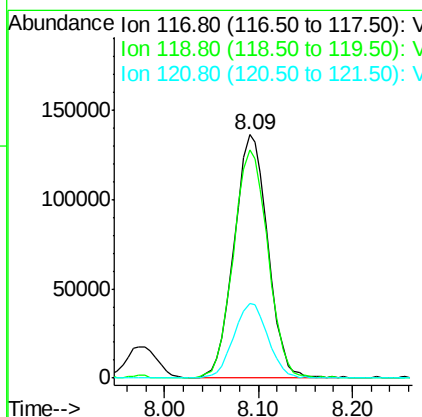
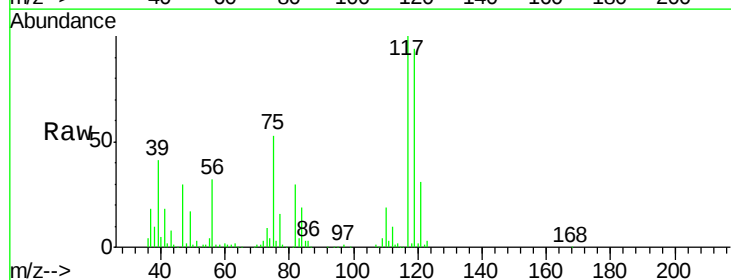
Manual Integrations
APPROVED

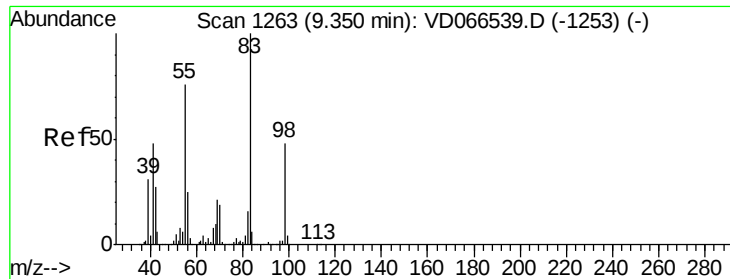
MMDadoda
9/4/2020 4:55:01 PM



#38
Carbon Tetrachloride
Concen: 51.028 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.9	110.9
121	30.5	24.1	36.1





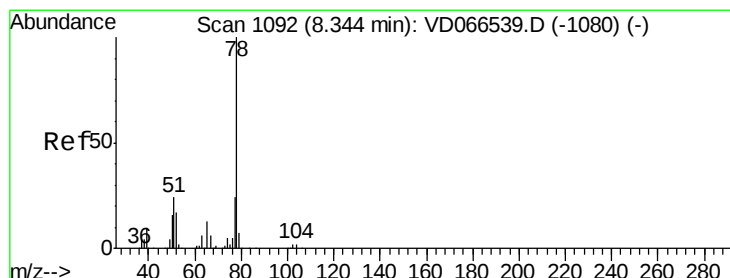
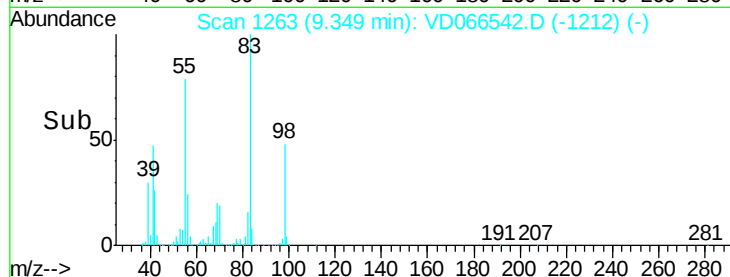
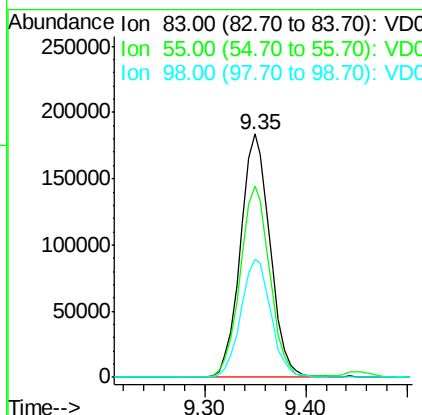
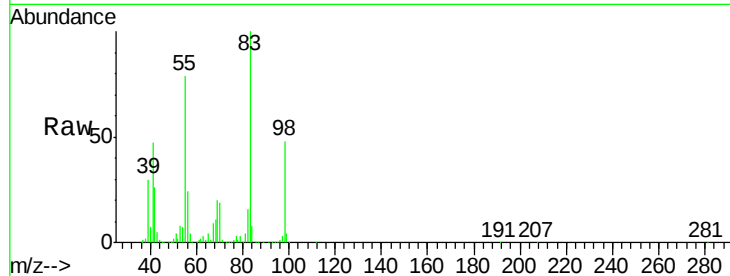
#39
Methvlcvclohexane
Concen: 53.157 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	60.8	91.2
98	48.5	38.6	58.0

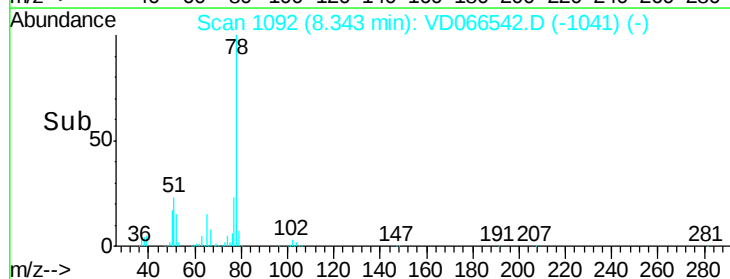
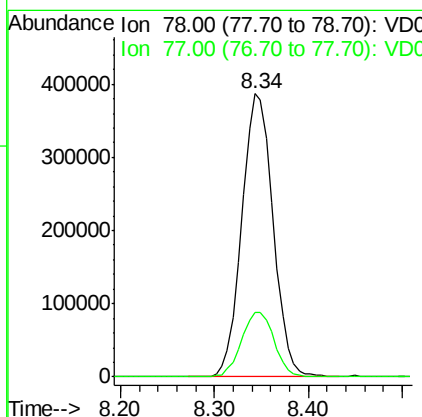
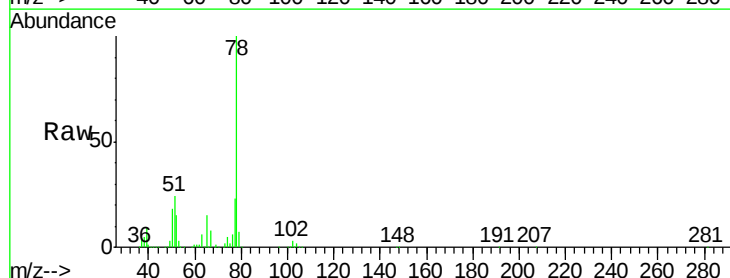
Manual Integrations
APPROVED

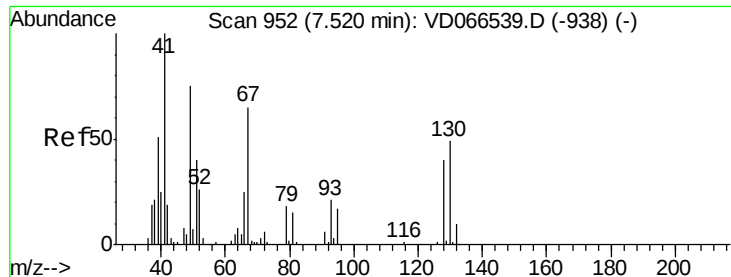
MMDadoda
9/4/2020 4:55:01 PM



#40
Benzene
Concen: 51.925 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





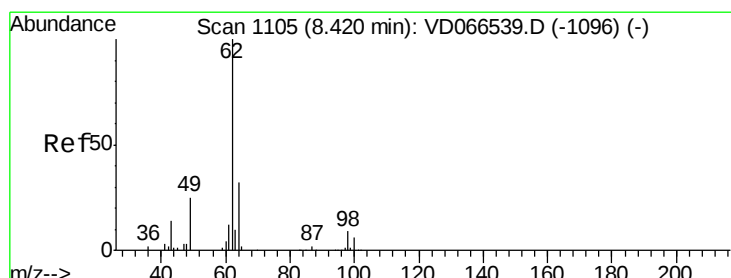
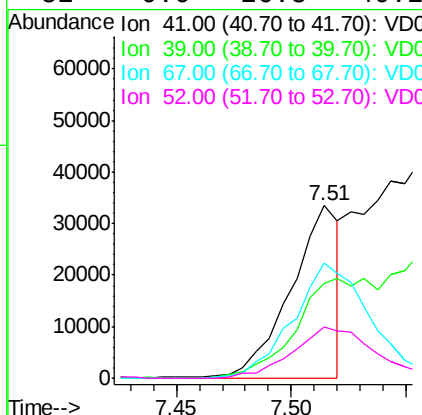
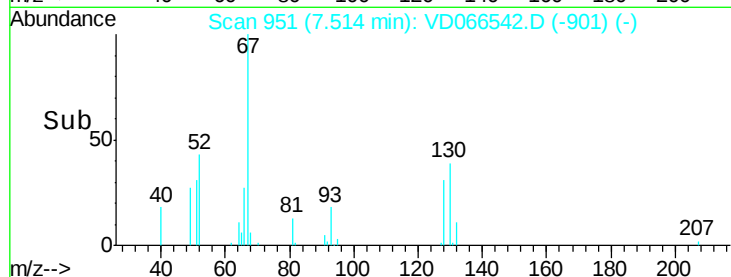
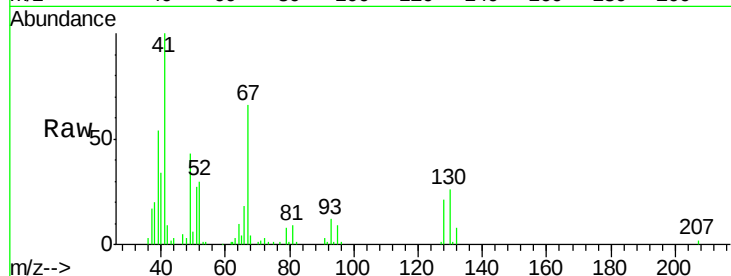
#41
Methacrylonitrile
Concen: 41.404 ug/l m
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.6	80.4#
67	0.0	59.2	88.8#
52	0.0	26.8	40.2#

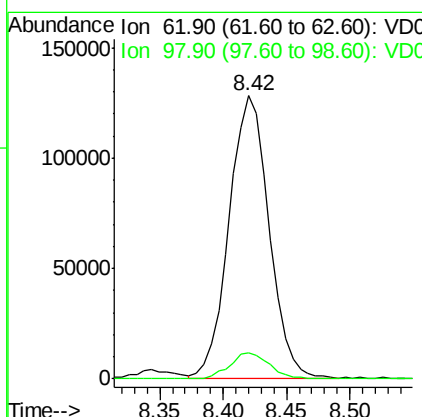
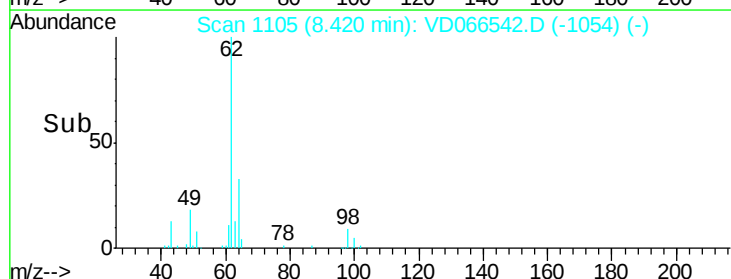
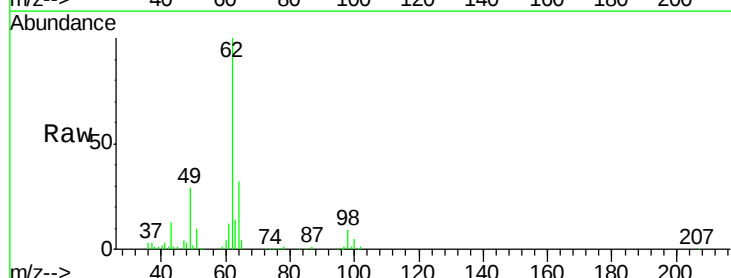
Manual Integrations
APPROVED

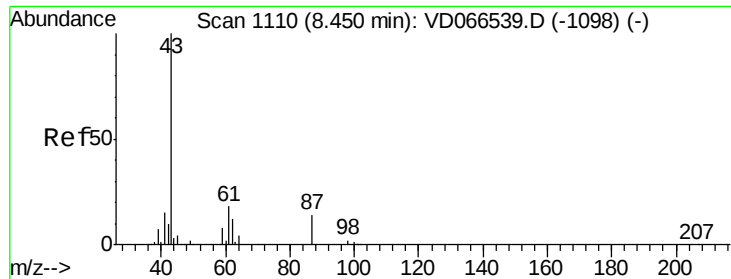
MMDadoda
9/4/2020 4:55:01 PM



#42
1,2-Dichloroethane
Concen: 50.309 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





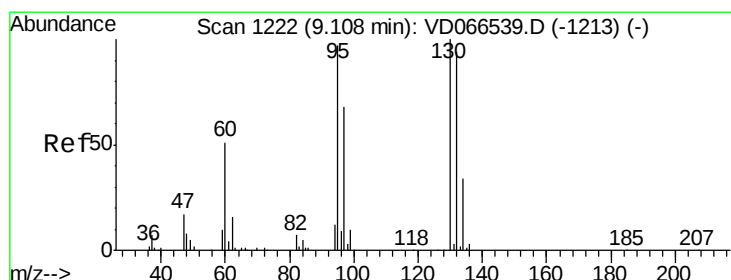
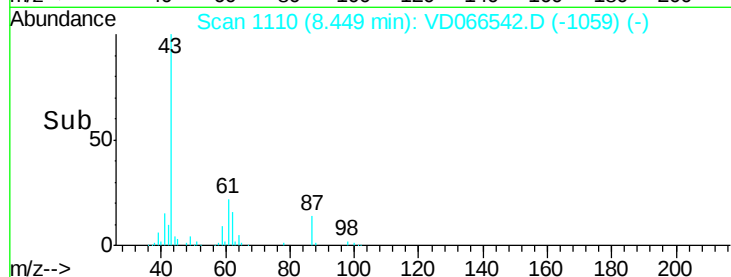
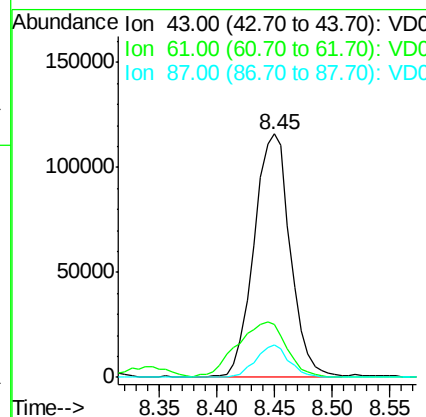
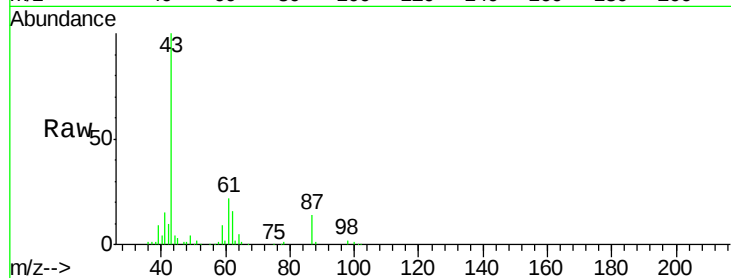
#43
Isopropyl Acetate
Concen: 53.129 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	23.8	35.8
87	12.5	10.7	16.1

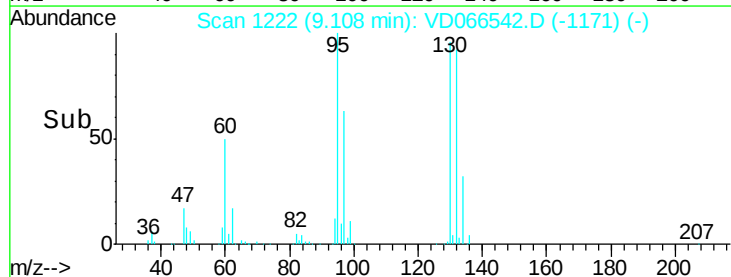
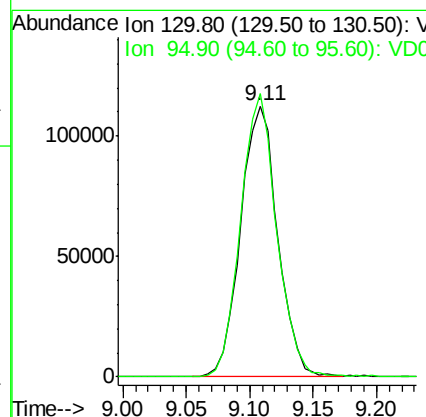
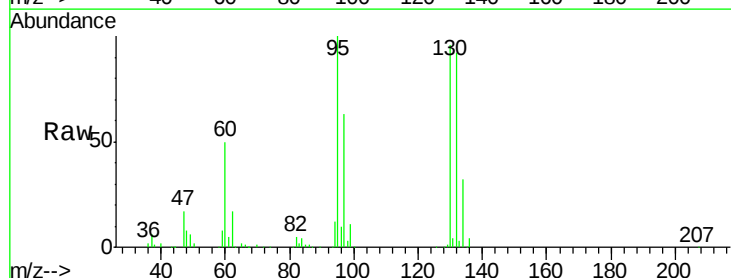
Manual Integrations
APPROVED

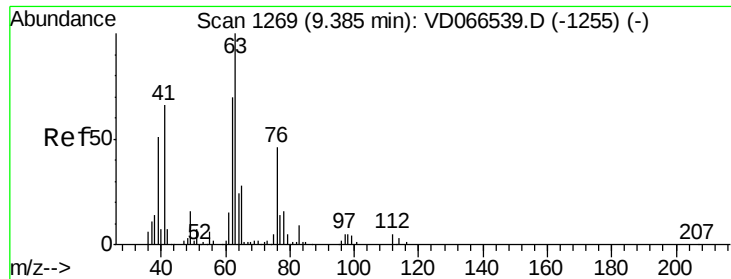
MMDadoda
9/4/2020 4:55:01 PM



#44
Trichloroethene
Concen: 50.692 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	194.4





#45

1,2-Dichloropropane

Concen: 51.423 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 63 Resp: 221924

Ion Ratio Lower Upper

63 100

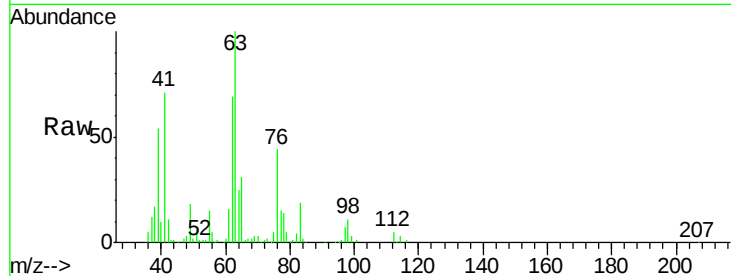
65 31.4 22.6 34.0

Manual Integrations

APPROVED

MMDadoda

9/4/2020 4:55:01 PM

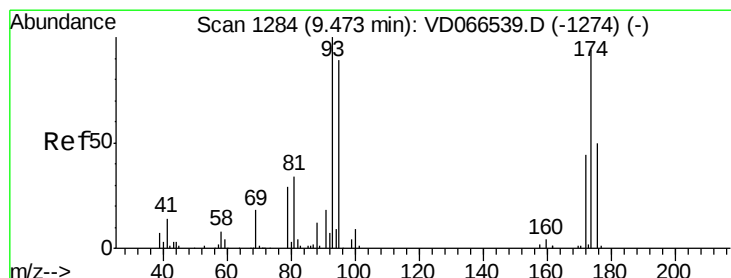
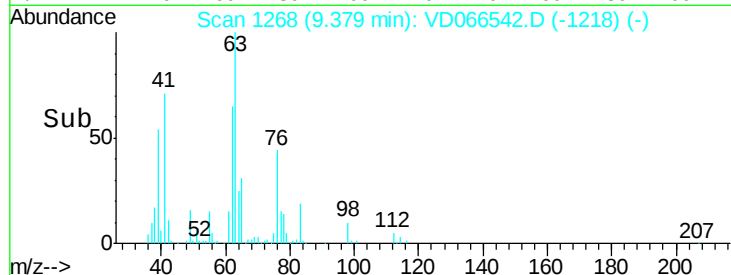


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

Time-->



#46

Dibromomethane

Concen: 51.727 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

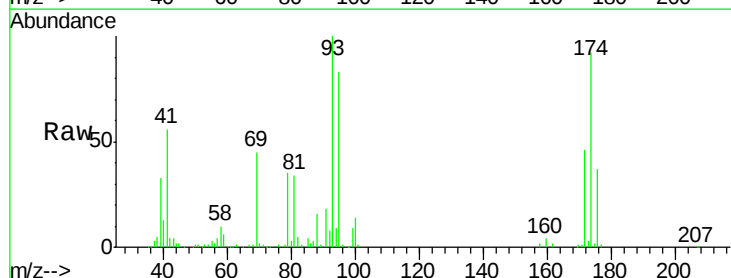
Tgt Ion: 93 Resp: 123163

Ion Ratio Lower Upper

93 100

95 82.7 68.7 103.1

174 90.1 70.0 105.0



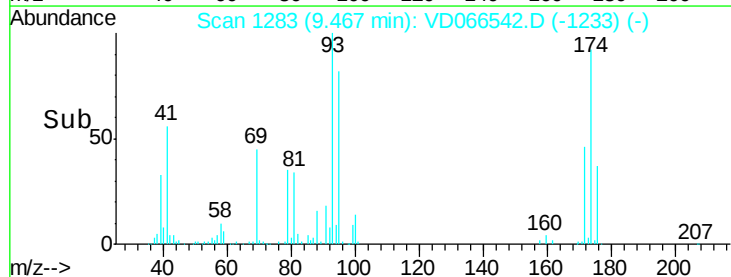
Abundance Ion 92.80 (92.50 to 93.50): VDC

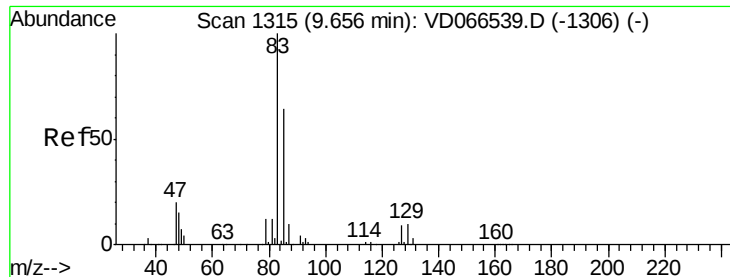
Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

9.47

Time-->





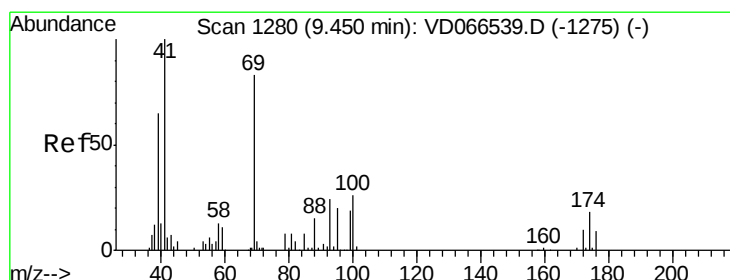
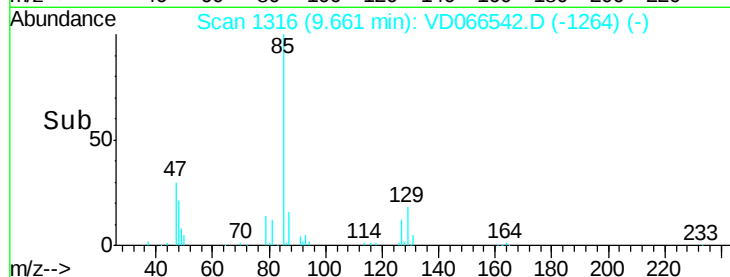
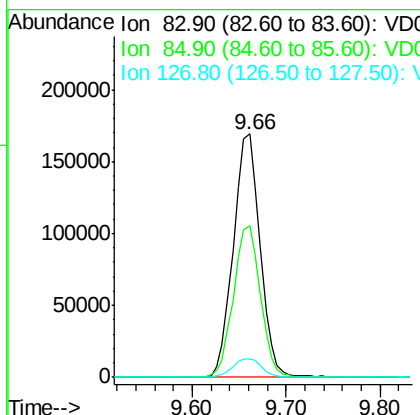
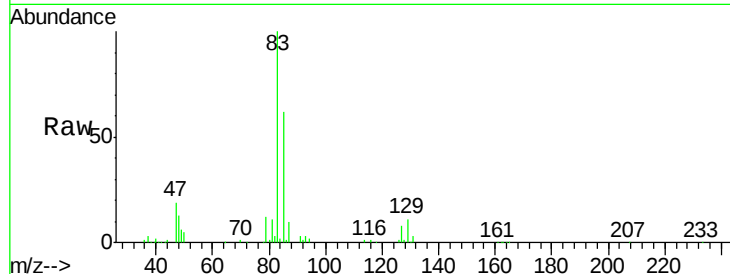
#47
Bromodichloromethane
Concen: 52.025 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.4	51.1	76.7	
127	7.7	6.9	10.3	

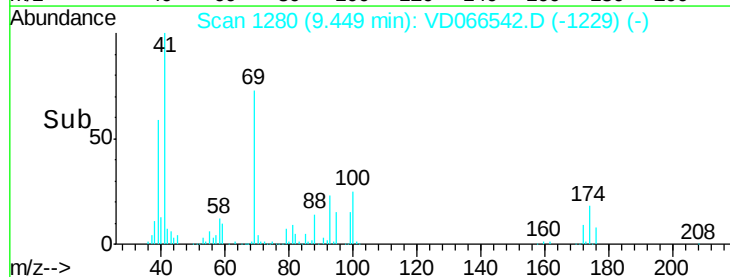
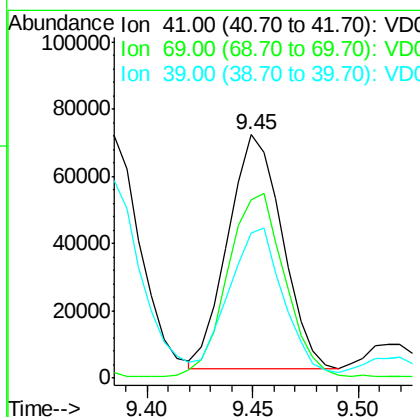
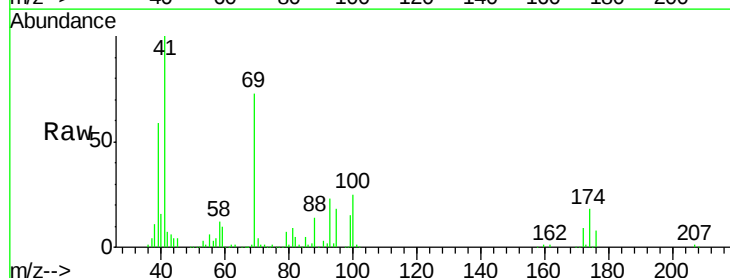
Manual Integrations
APPROVED

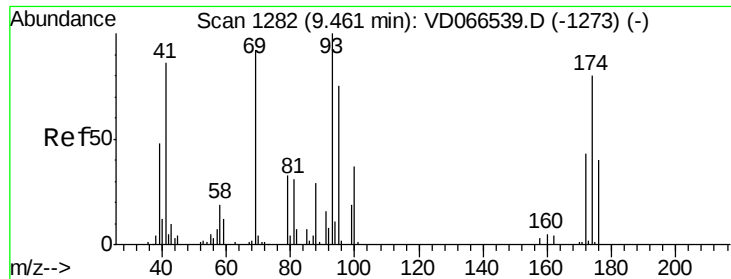
MMDadoda
9/4/2020 4:55:01 PM



#48
Methyl methacrylate
Concen: 51.327 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.2	64.5	96.7	
39	61.3	46.6	69.8	





#49

1,4-Dioxane

Concen: 1005.681 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

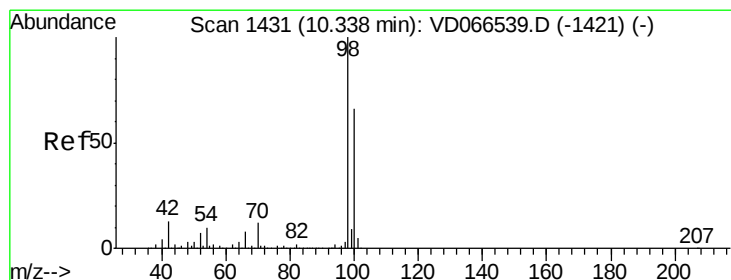
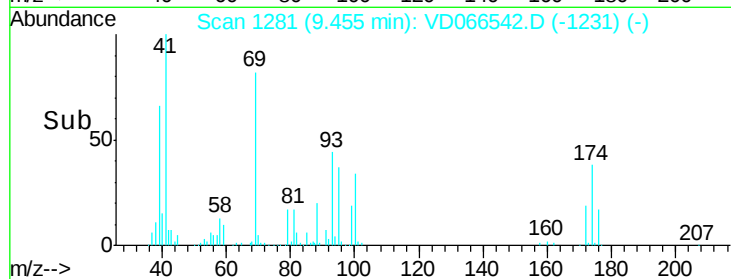
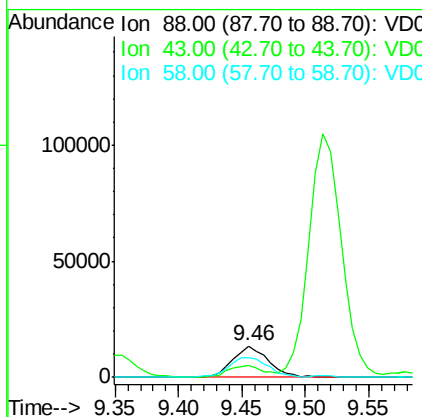
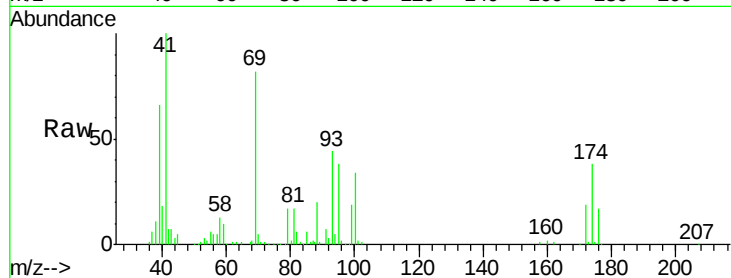
ClientSampleId :

ICVVD090320

Tot Ion:	88	Resp:	26270
Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.3	42.5
58	71.1	56.1	84.1

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#50

Toluene-d8

Concen: 54.748 ug/l

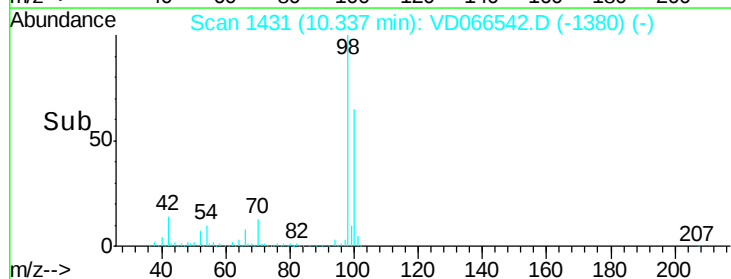
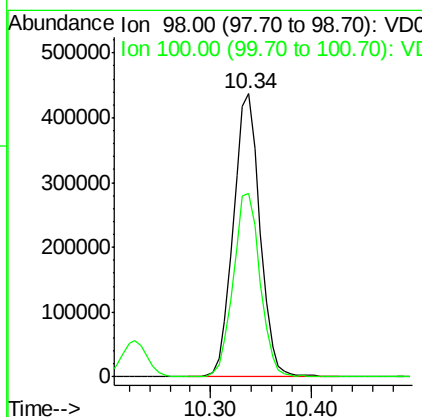
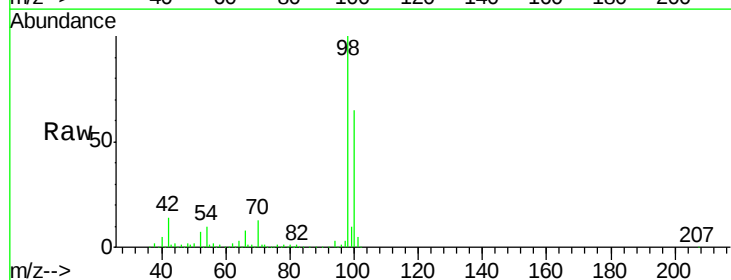
RT: 10.34 min Scan# 1431

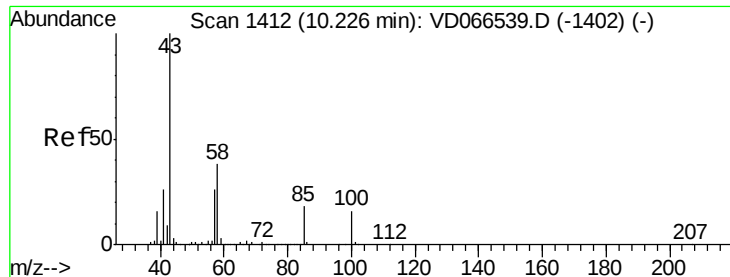
Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion:	98	Resp:	794800
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 268.991 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 43 Resp: 648663

Ion Ratio Lower Upper

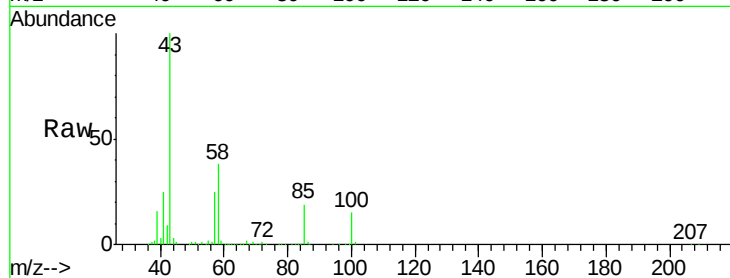
43 100

58 37.7 30.5 45.7

Manual Integrations
APPROVED

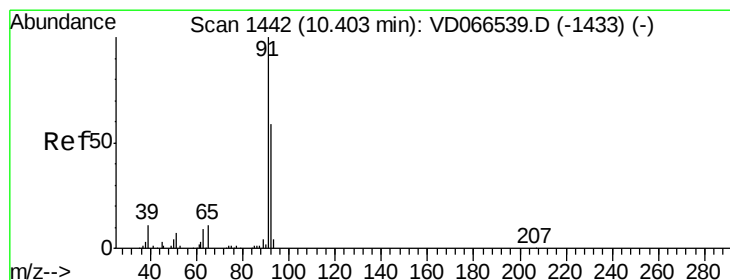
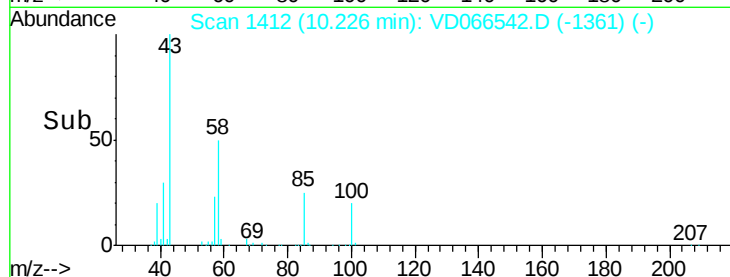
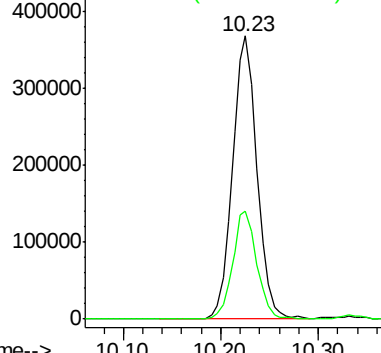
MMDadoda

9/4/2020 4:55:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.120 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066542.D

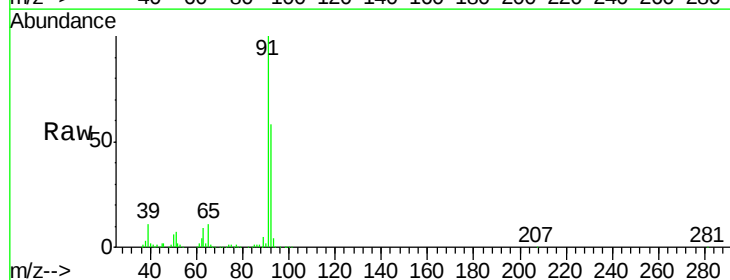
Acq: 03 Sep 2020 18:39

Tgt Ion: 92 Resp: 566180

Ion Ratio Lower Upper

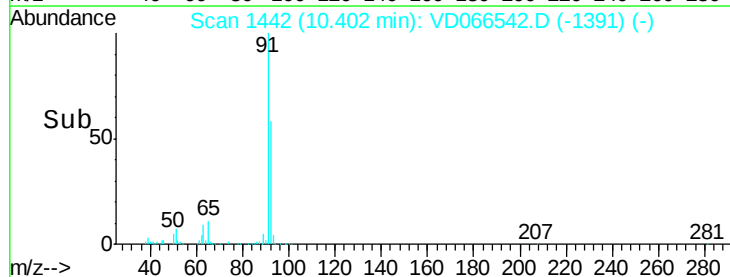
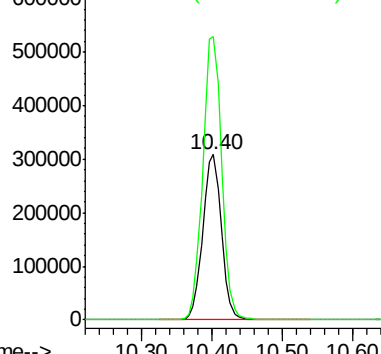
92 100

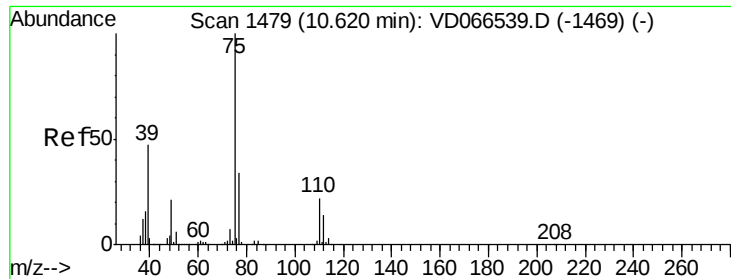
91 173.8 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.950 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 75 Resp: 301109

Ion Ratio Lower Upper

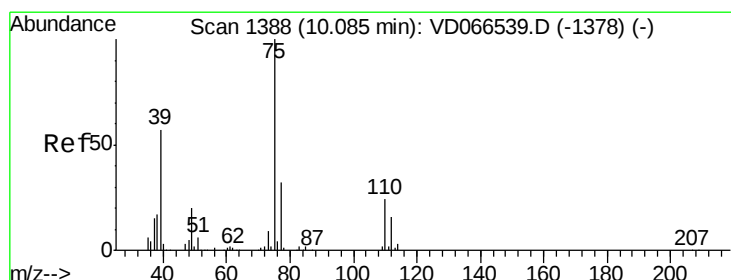
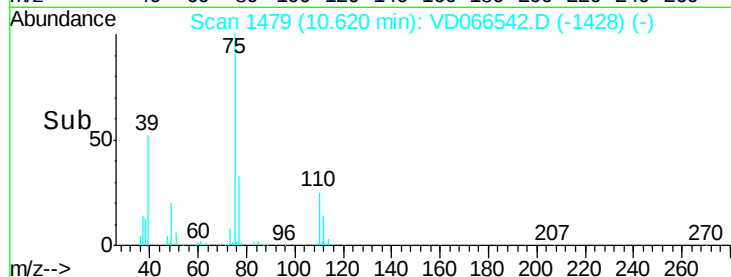
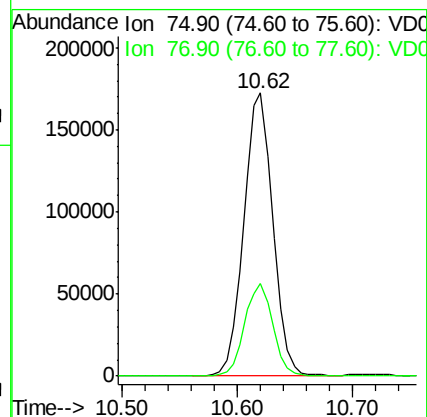
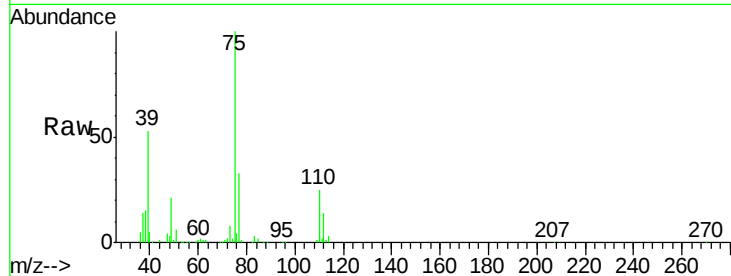
75 100

77 32.8 27.4 41.2

Manual Integrations
APPROVED

MMDadoda

9/4/2020 4:55:01 PM



#54

cis-1,3-Dichloropropene

Concen: 52.155 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

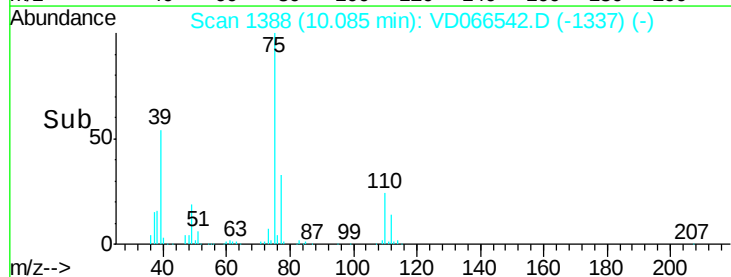
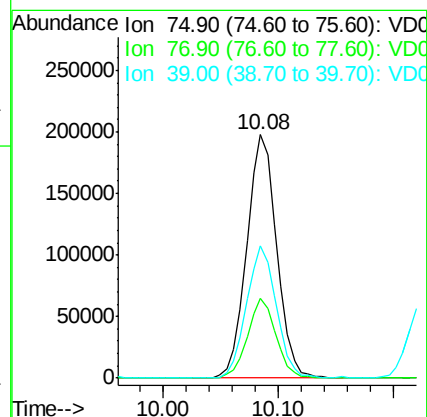
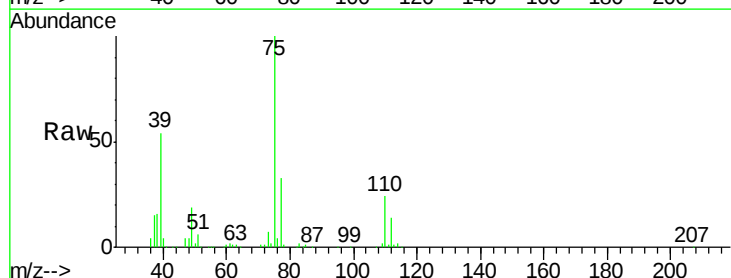
Tgt Ion: 75 Resp: 356169

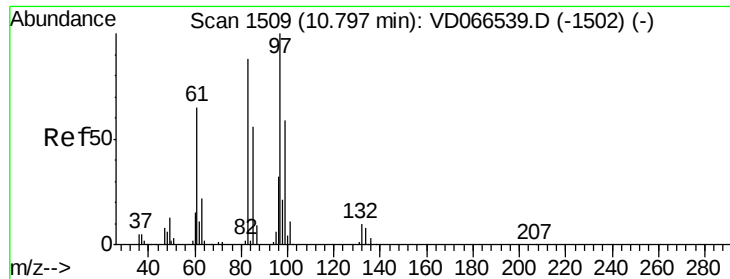
Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

39 54.2 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 51.947 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

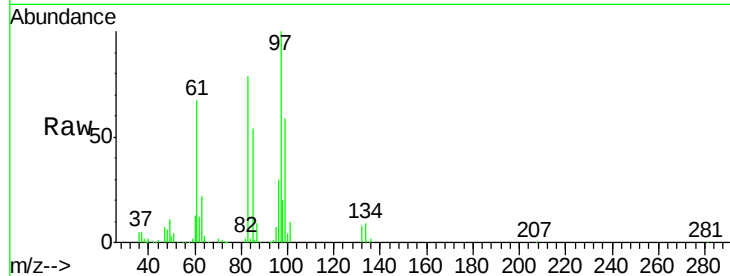
ClientSampleId :

ICVVD090320

Tot Ion:	97	Resp:	159029
Ion	Ratio	Lower	Upper
97	100		
83	79.5	70.1	105.1
85	53.8	44.5	66.7
99	59.1	47.1	70.7

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM

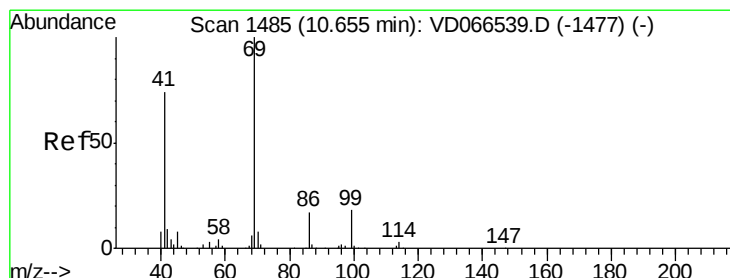
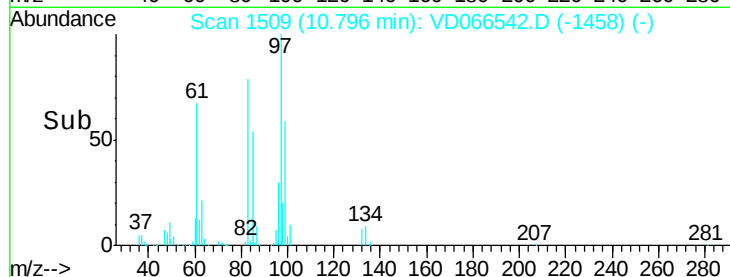
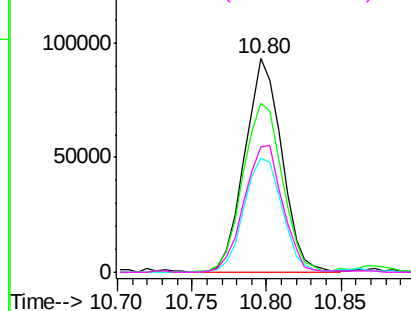


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 55.617 ug/l

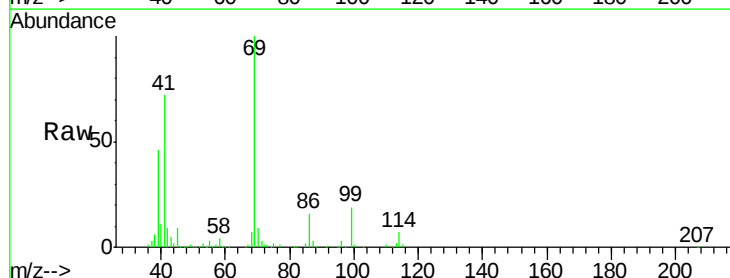
RT: 10.66 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

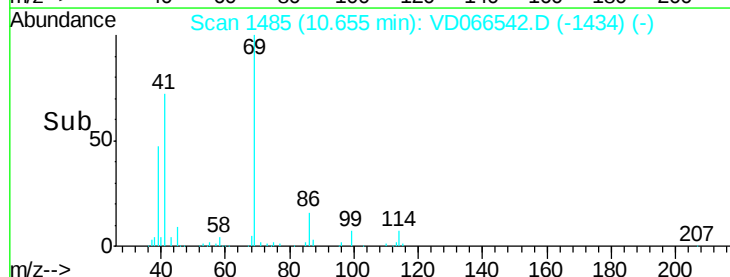
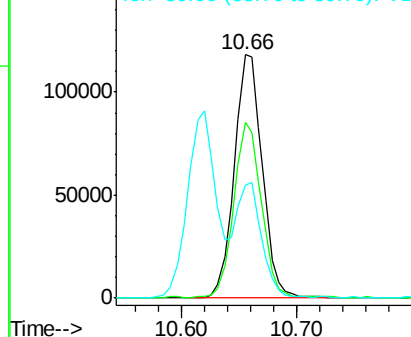
Tgt Ion:	69	Resp:	198248
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.8	85.2
39	45.8	30.6	46.0

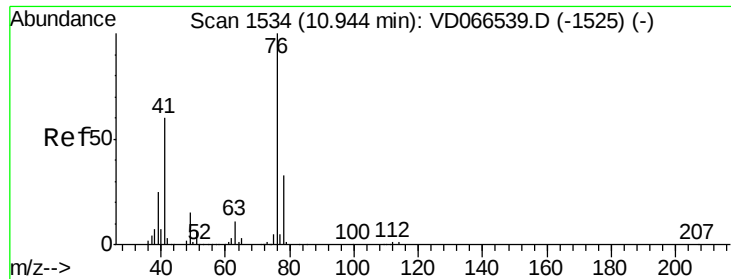


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.517 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 76 Resp: 281612

Ion Ratio Lower Upper

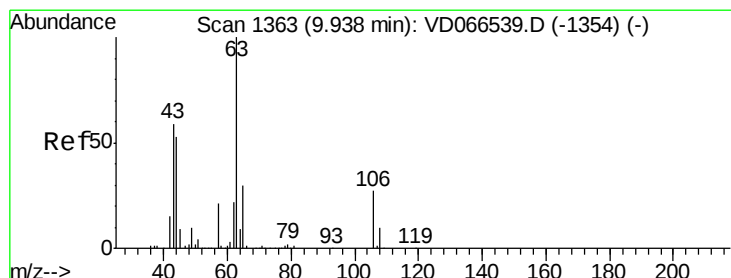
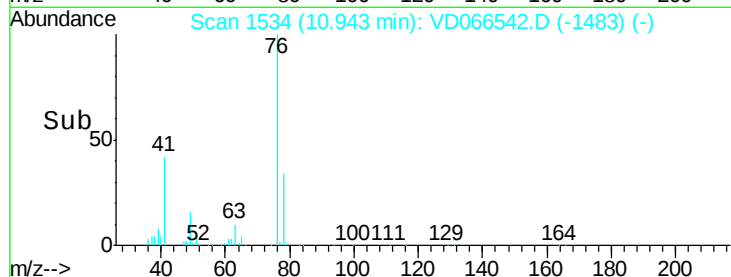
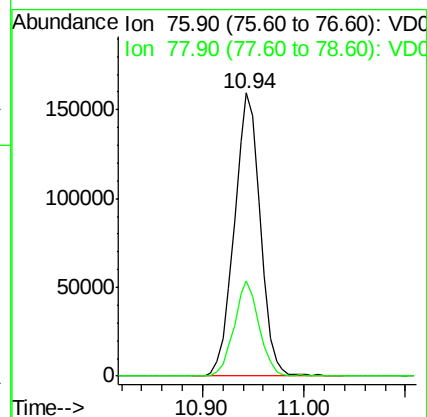
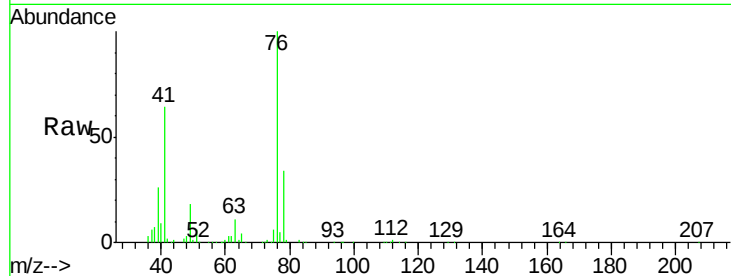
76 100

78 32.3 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

9/4/2020 4:55:01 PM



#58

2-Chloroethyl Vinyl ether

Concen: 251.353 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066542.D

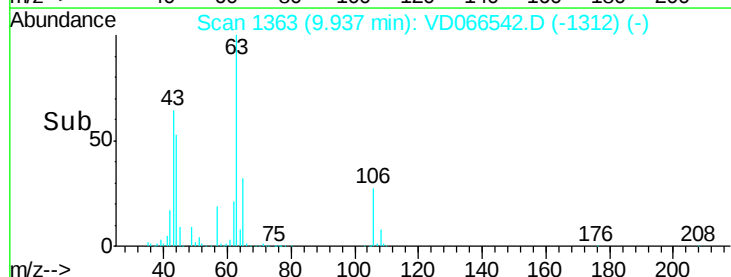
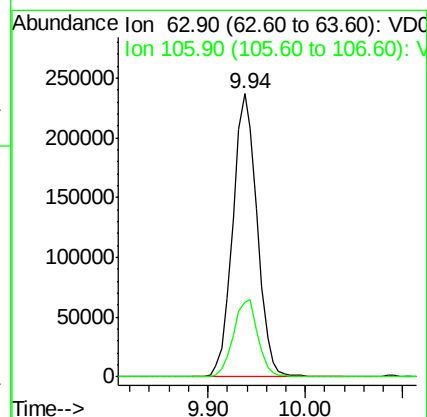
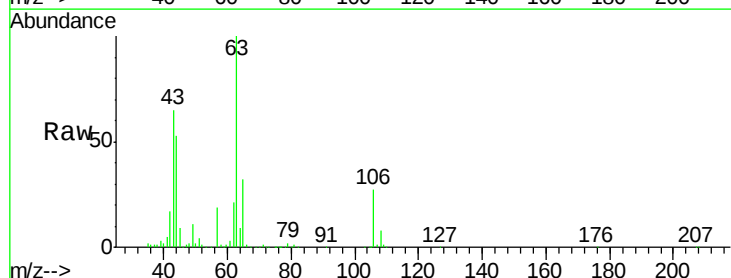
Acq: 03 Sep 2020 18:39

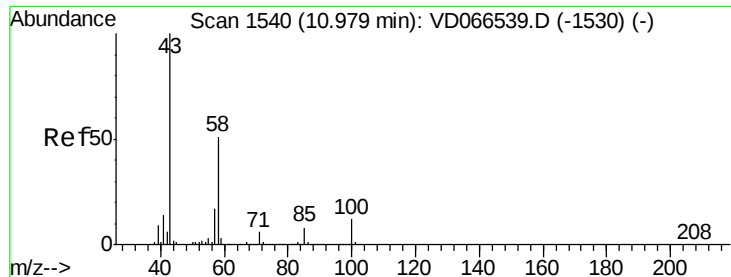
Tgt Ion: 63 Resp: 409803

Ion Ratio Lower Upper

63 100

106 27.7 22.0 33.0





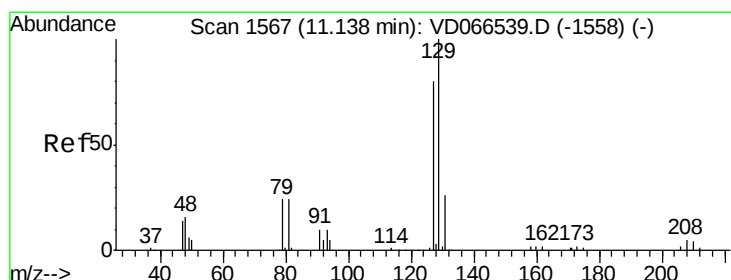
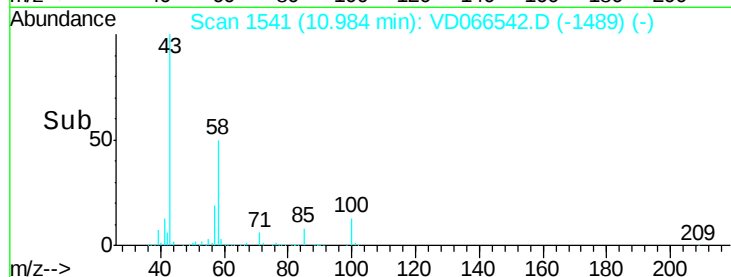
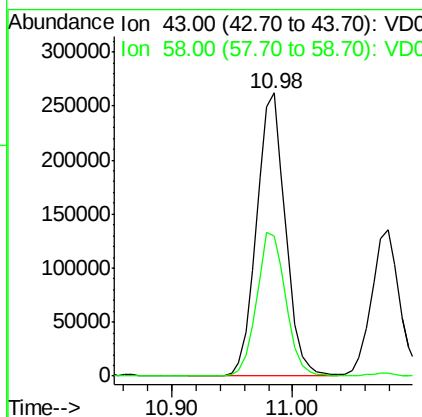
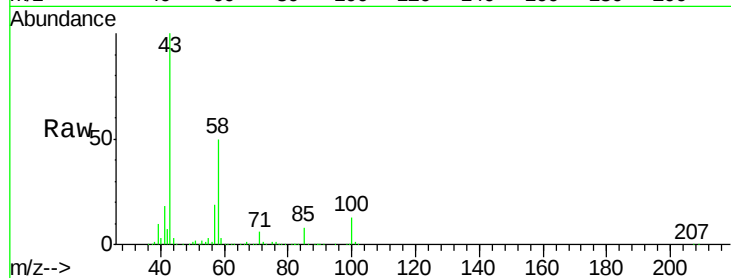
#59
2-Hexanone
Concen: 269.411 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion: 43 Resp: 436895
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8

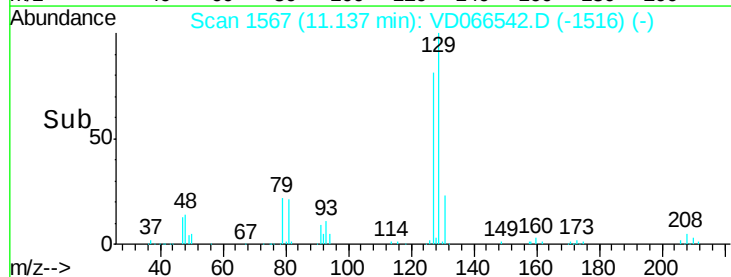
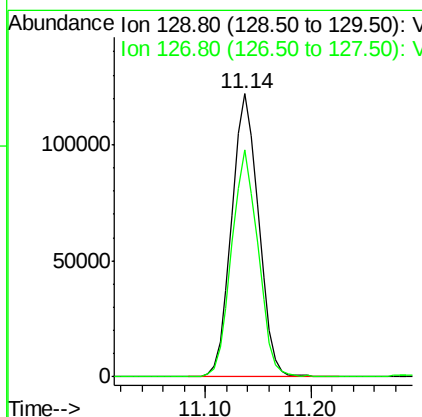
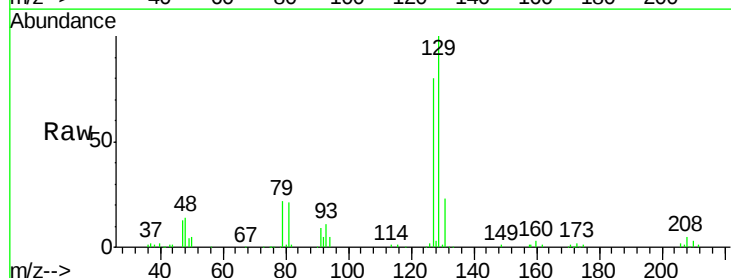
Manual Integrations
APPROVED

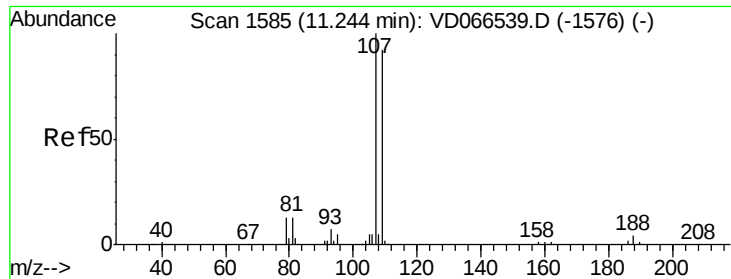
MMDadoda
9/4/2020 4:55:01 PM



#60
Dibromochloromethane
Concen: 53.085 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 129 Resp: 214901
Ion Ratio Lower Upper
129 100
127 79.1 39.5 118.3





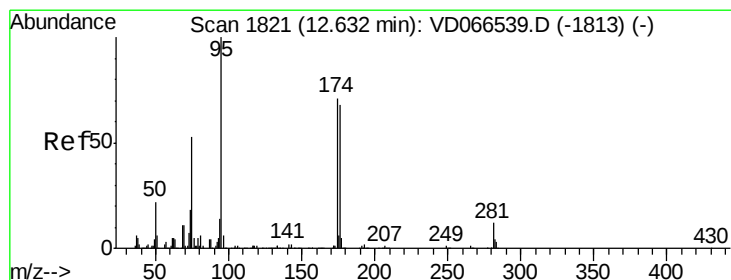
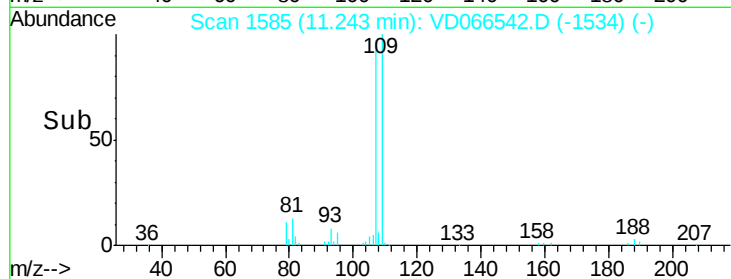
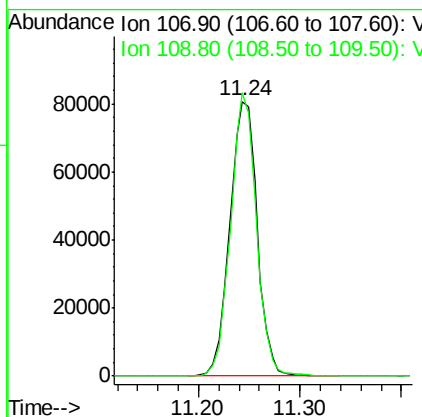
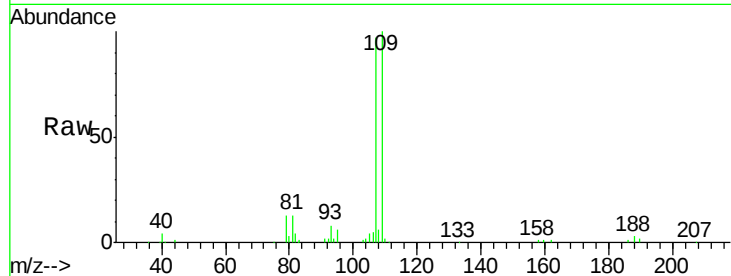
#61
 1,2-Dibromoethane
 Concen: 50.733 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.0	74.4	111.6

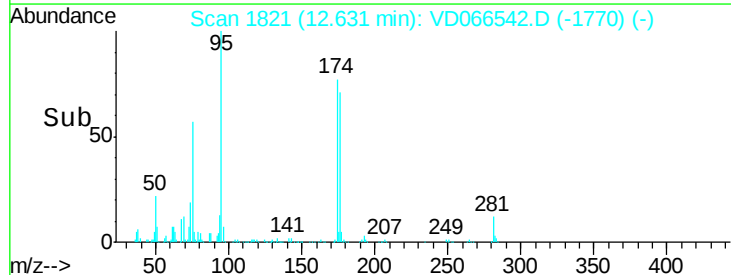
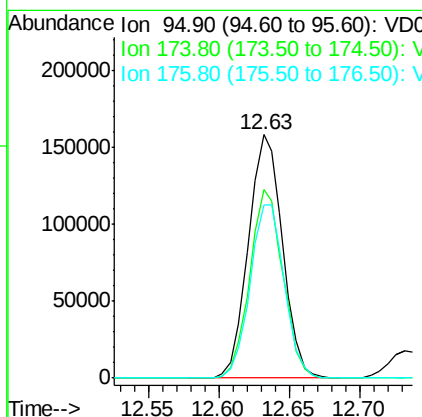
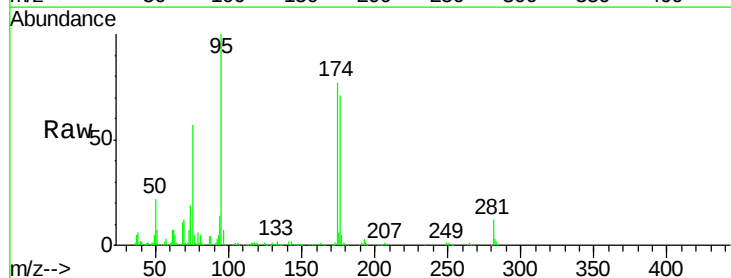
Manual Integrations
 APPROVED

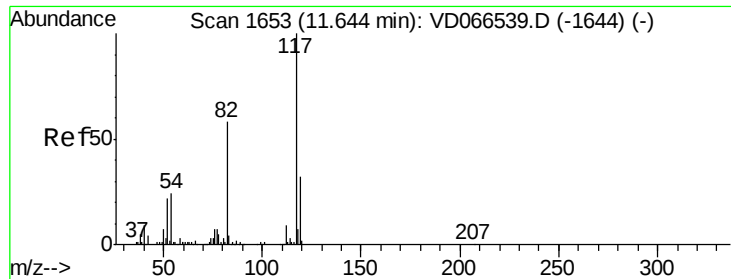
MMDadoda
 9/4/2020 4:55:01 PM



#62
 4-Bromofluorobenzene
 Concen: 55.736 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	155.8
176	71.6	0.0	148.6





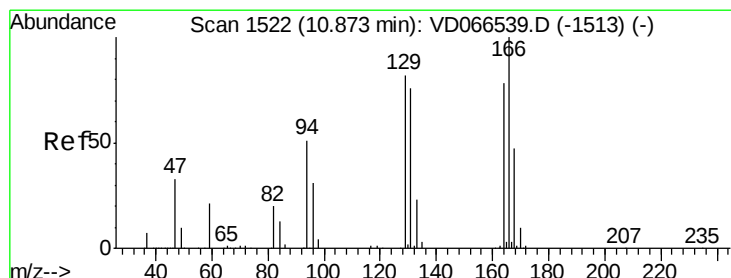
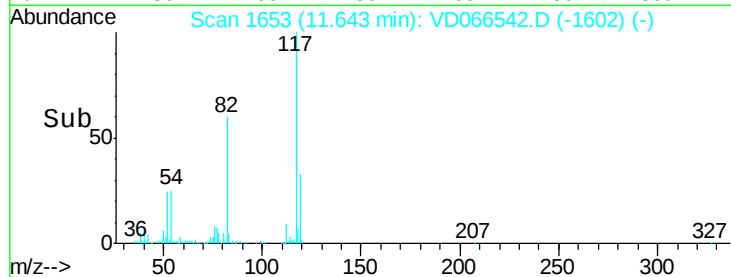
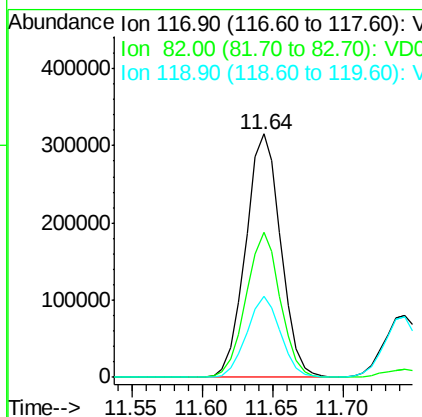
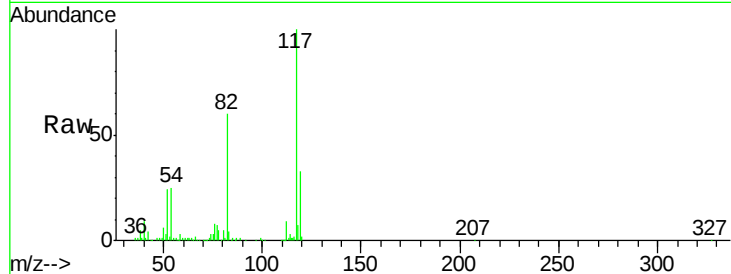
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Resp	Lower	Upper
117	100	549128		
82	59.8	46.2	69.2	
119	33.2	25.8	38.8	

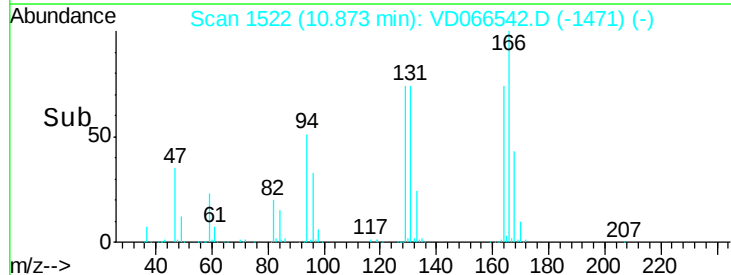
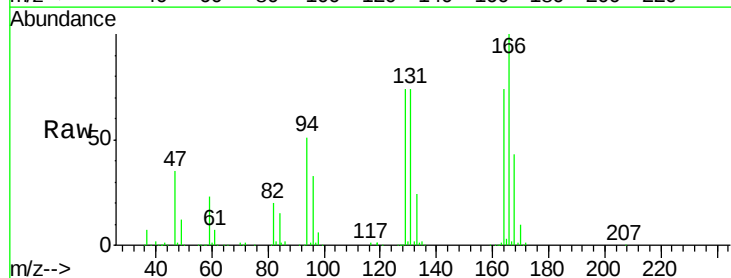
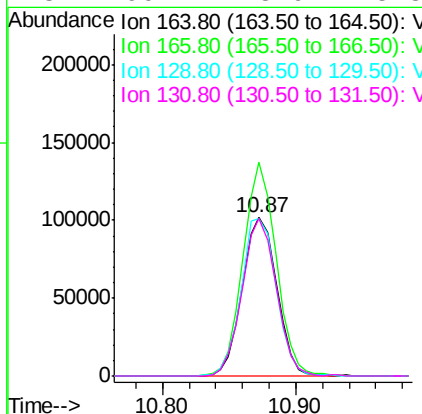
Manual Integrations
APPROVED

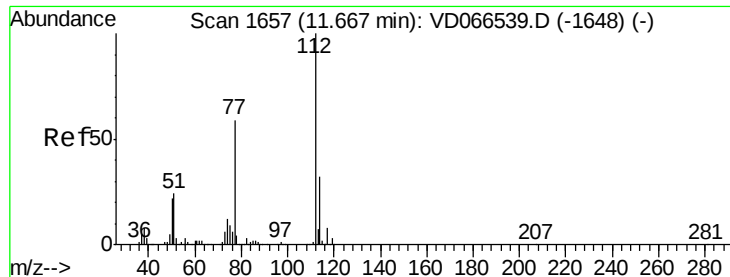
MMDadoda
9/4/2020 4:55:01 PM



#64
Tetrachloroethene
Concen: 49.502 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	183024		
166	134.8	103.2	154.8	
129	99.4	84.5	126.7	
131	99.2	78.9	118.3	





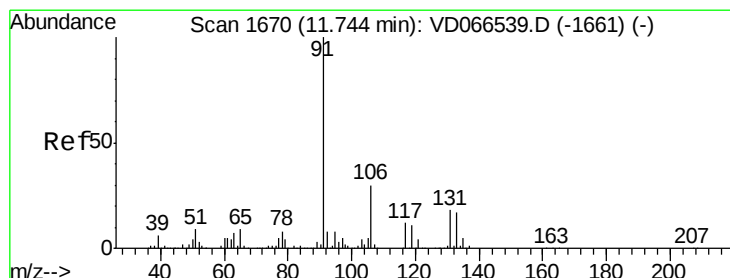
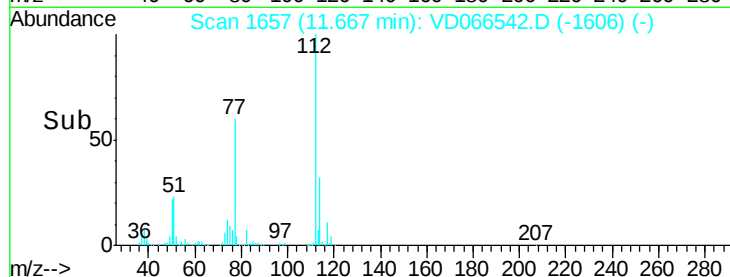
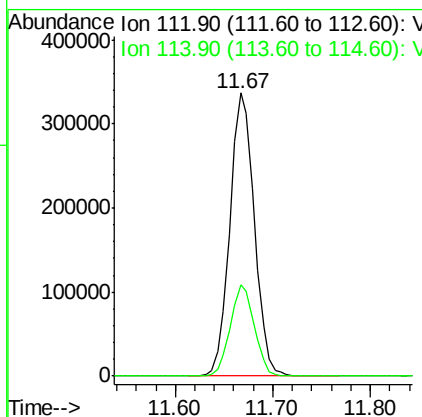
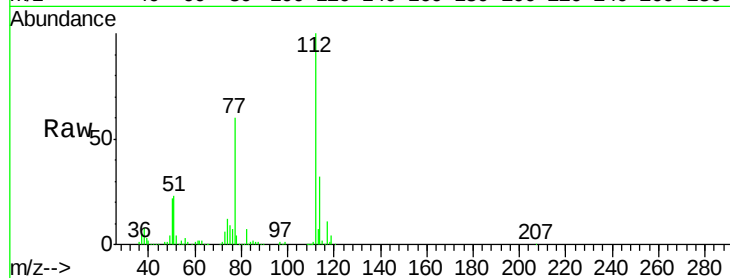
#65
Chlorobenzene
Concen: 51.548 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

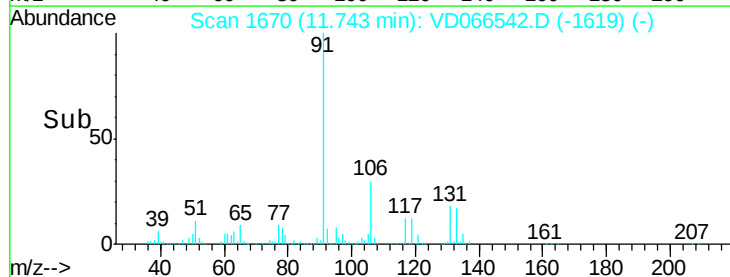
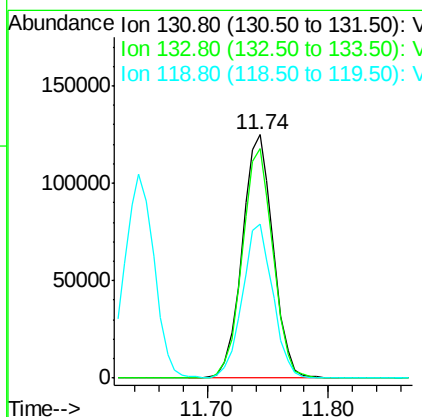
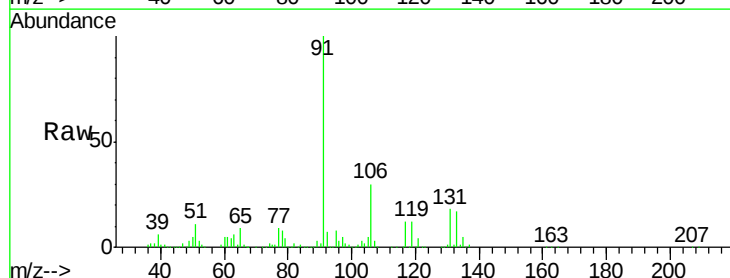
Manual Integrations
APPROVED

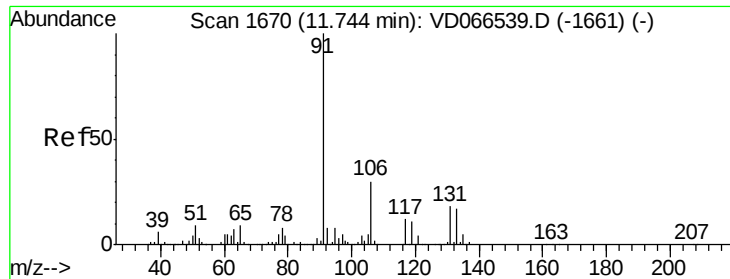
MMDadoda
9/4/2020 4:55:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.426 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	46.7	140.0
119	62.8	31.9	95.7





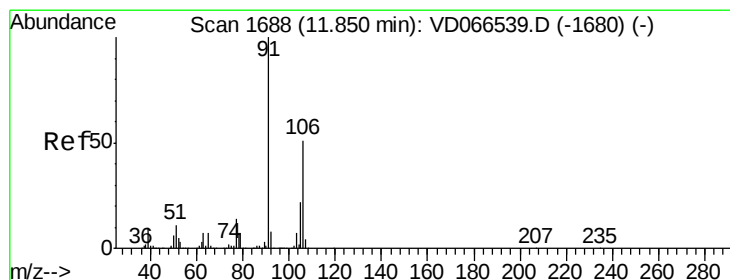
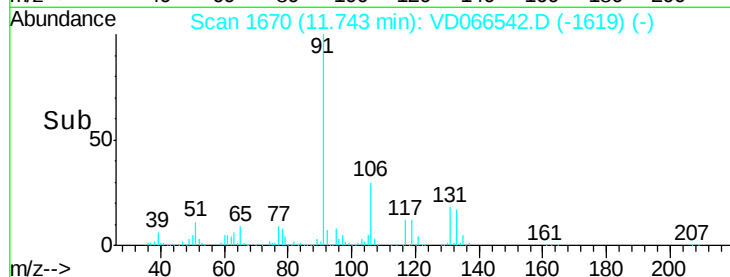
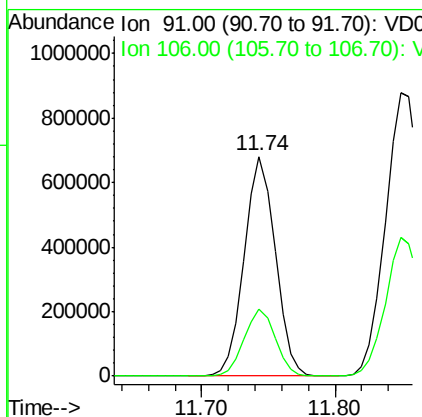
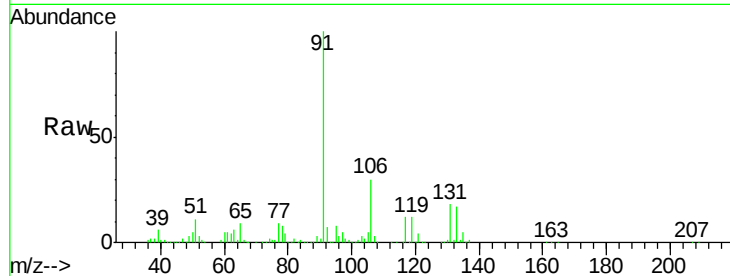
#67
Ethyl Benzene
Concen: 52.660 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion: 91 Resp: 1095892
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

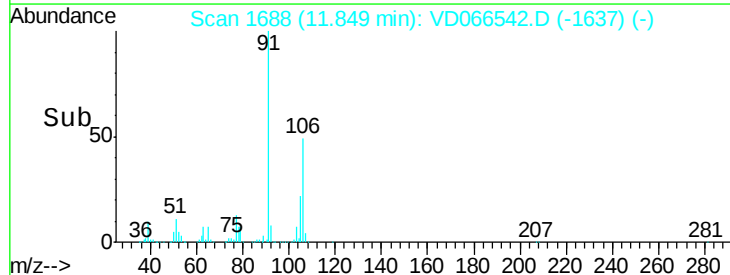
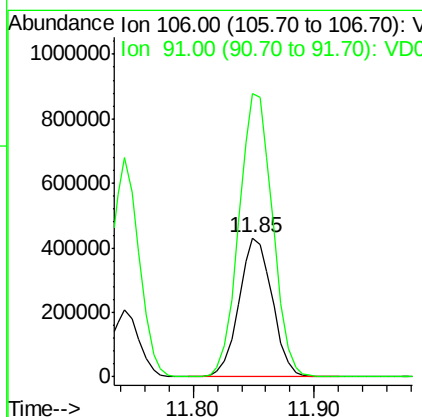
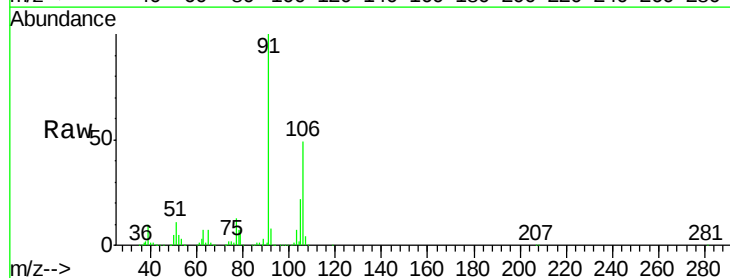
Manual Integrations
APPROVED

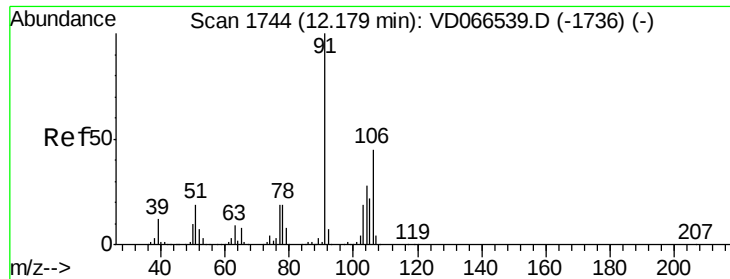
MMDadoda
9/4/2020 4:55:01 PM



#68
m/p-Xylenes
Concen: 106.440 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion: 106 Resp: 822468
Ion Ratio Lower Upper
106 100
91 206.8 162.4 243.6





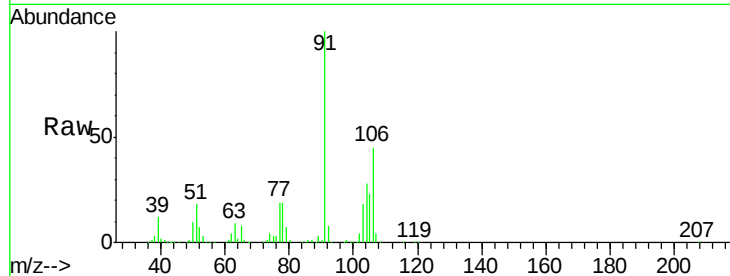
#69
o-Xylene
Concen: 53.169 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

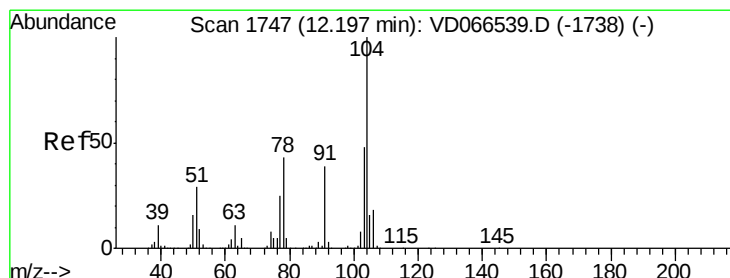
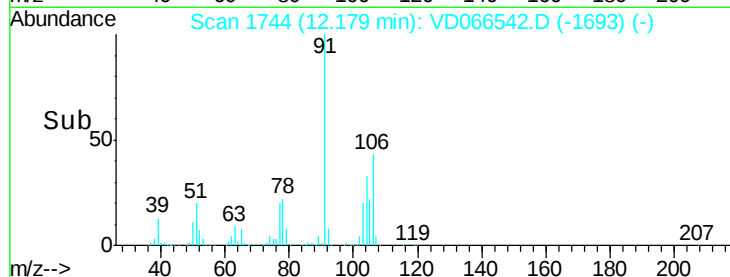
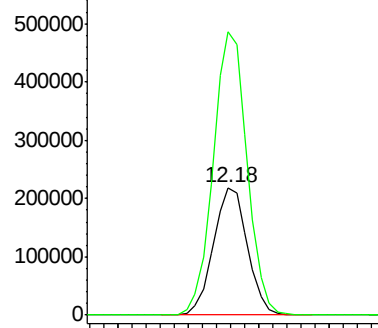
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		368189		
91	220.5	107.9	323.8		

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM

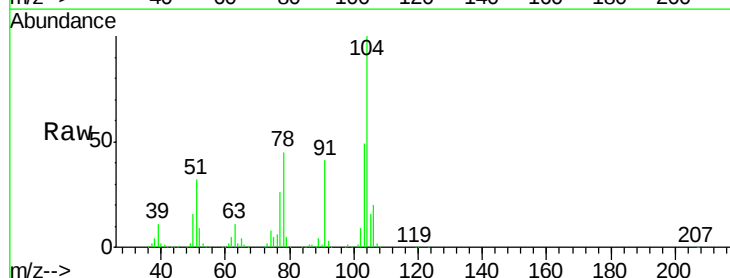


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

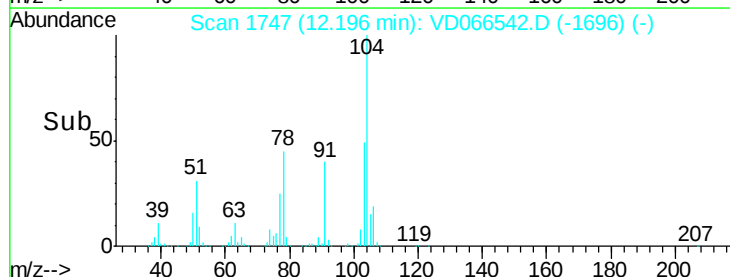
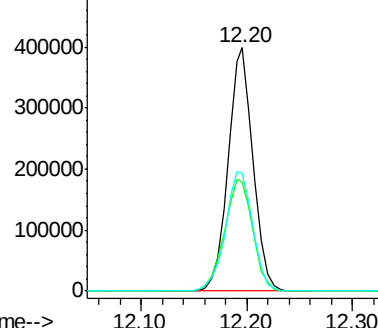


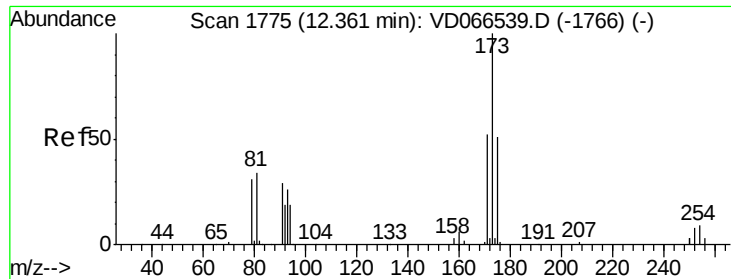
#70
Styrene
Concen: 54.431 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		655305		
78	51.9	40.7	61.1		
103	54.0	42.9	64.3		



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





#71

Bromoform

Concen: 52.007 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

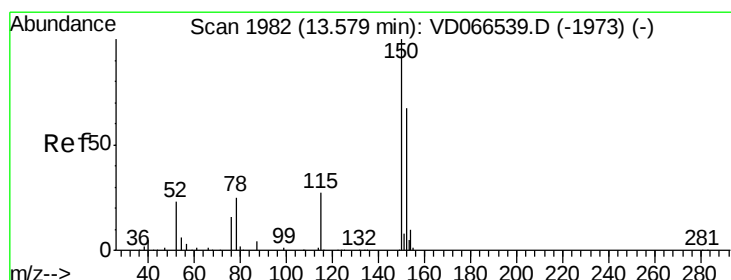
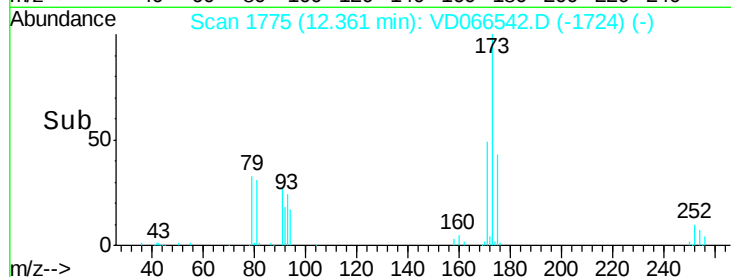
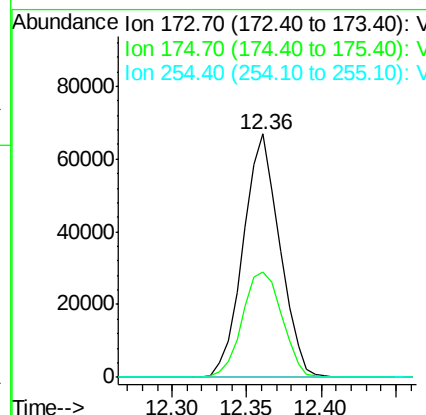
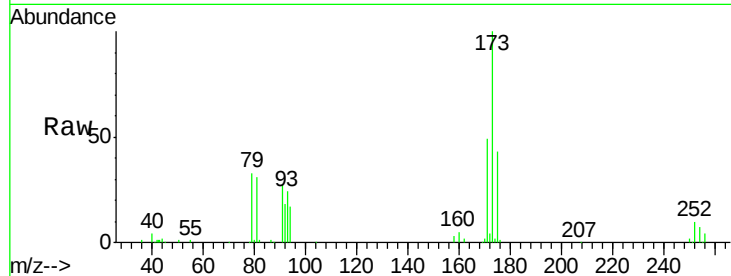
ClientSampleId :

ICVVD090320

Tot Ion:	173	Resp:	113370
Ion Ratio	Lower	Upper	
173	100		
175	47.1	24.2	72.6
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

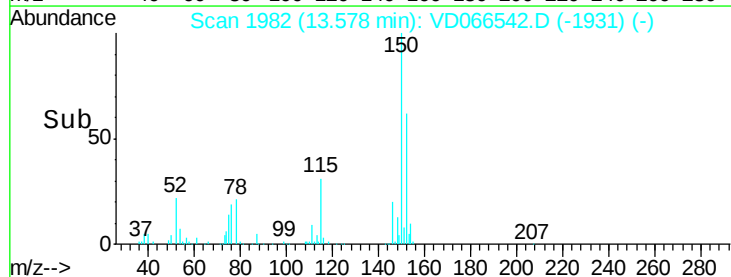
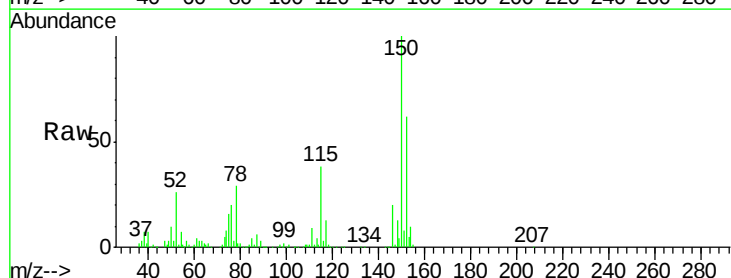
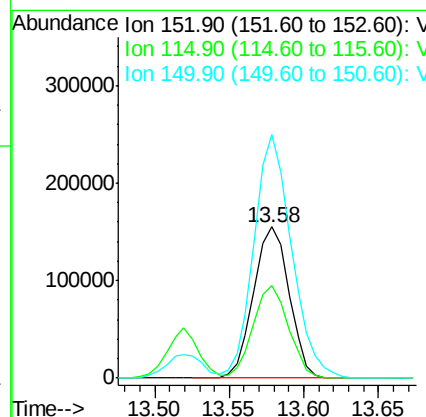
RT: 13.58 min Scan# 1982

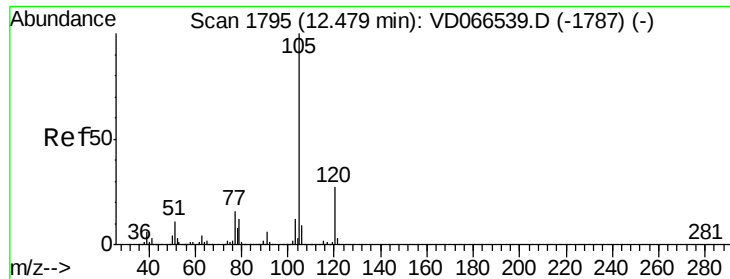
Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion:	152	Resp:	255848
Ion Ratio	Lower	Upper	
152	100		
115	60.4	30.4	91.2
150	170.1	0.0	345.8





#73

Isopropylbenzene

Concen: 54.237 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion:105 Resp: 1027403

Ion Ratio Lower Upper

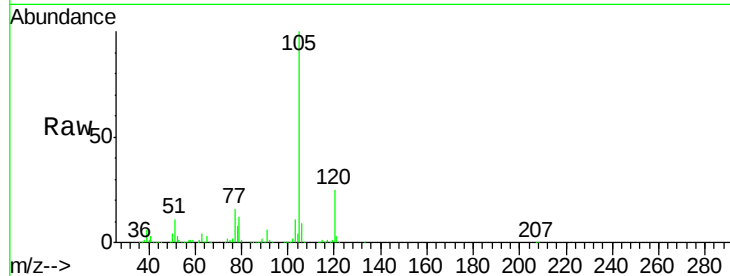
105 100

120 25.9 13.0 39.0

Manual Integrations
APPROVED

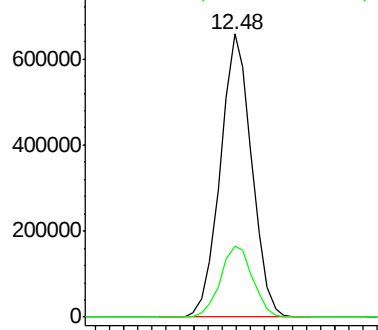
MMDadoda

9/4/2020 4:55:01 PM

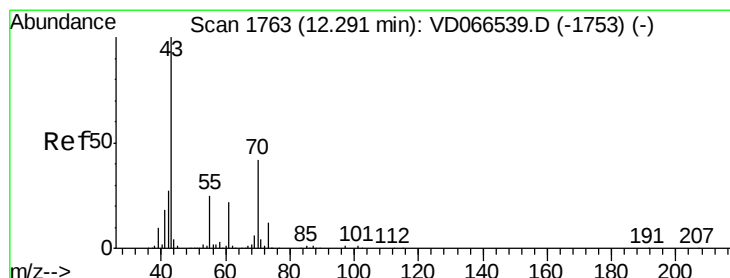
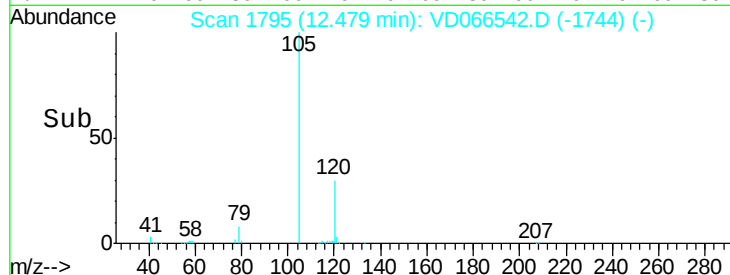


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 53.178 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion: 43 Resp: 228148

Ion Ratio Lower Upper

43 100

70 42.0 33.4 50.2

55 25.5 20.1 30.1

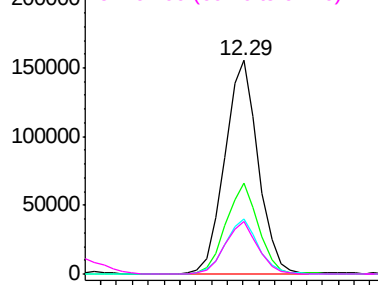
61 24.1 18.2 27.2

Abundance Ion 43.00 (42.70 to 43.70): VDC

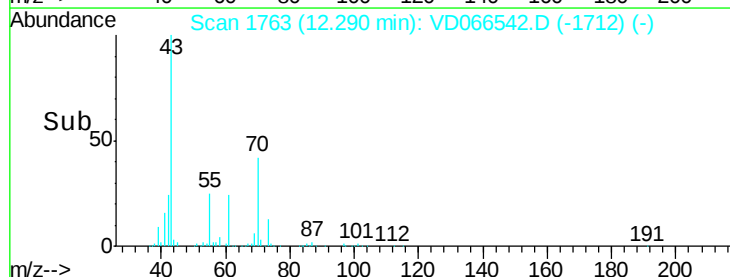
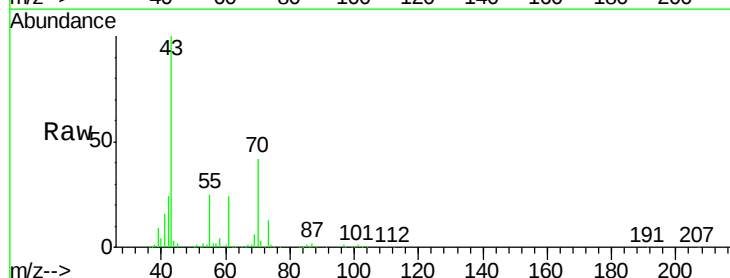
Ion 70.00 (69.70 to 70.70): VDC

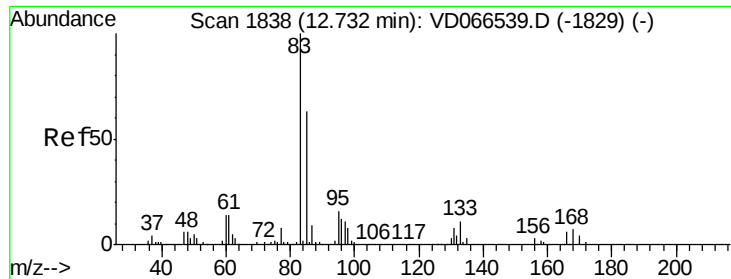
Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.631 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

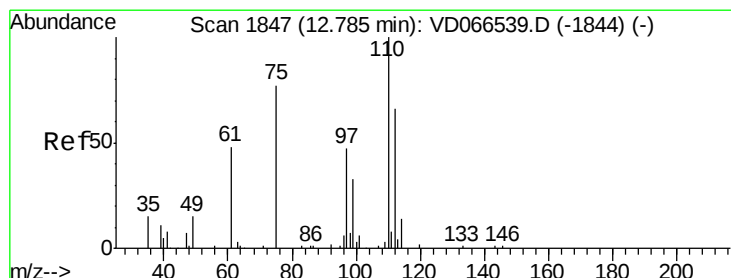
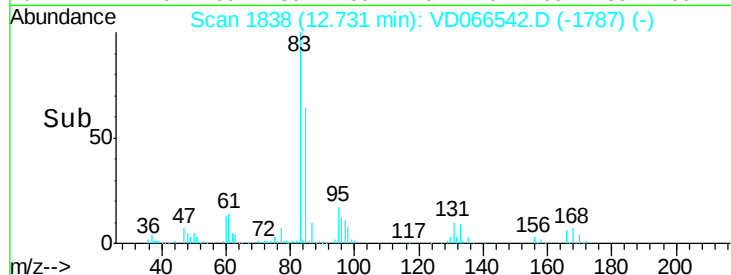
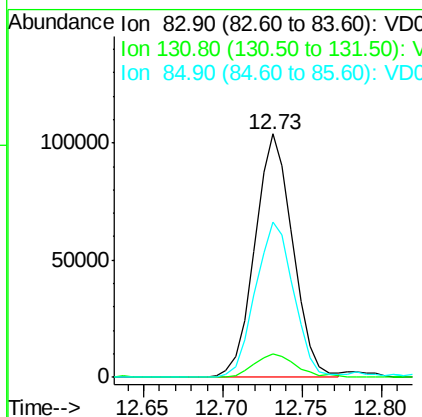
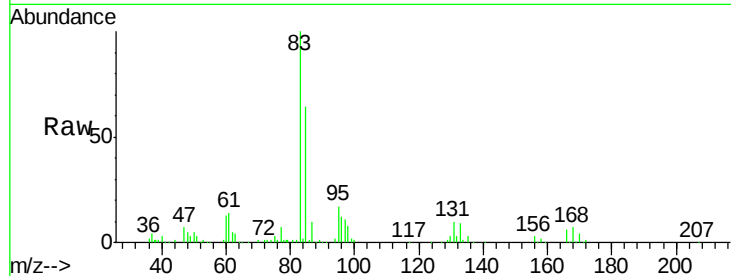
ClientSampleId :

ICVVD090320

Tot Ion:	83	Resp:	172785
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	15.0
85	64.5	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#76

1,2,3-Trichloropropane

Concen: 46.832 ug/l m

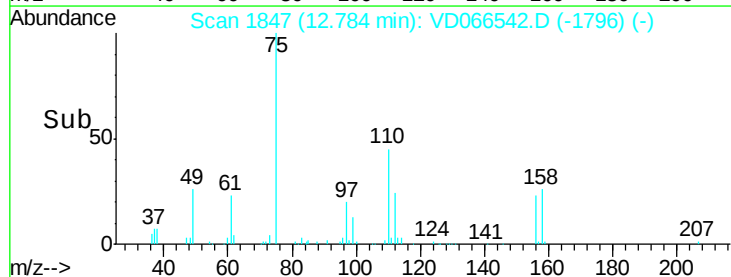
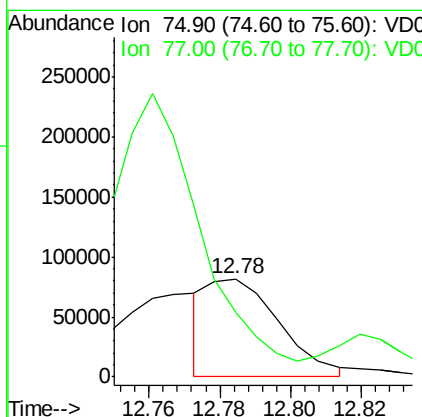
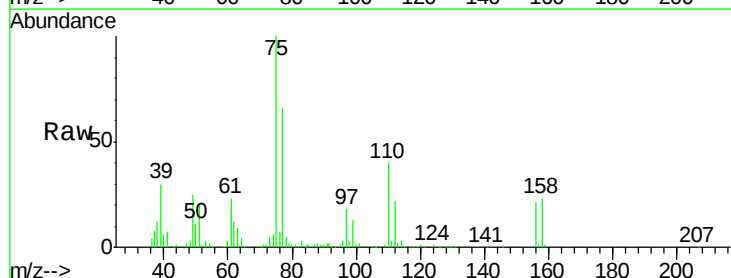
RT: 12.78 min Scan# 1847

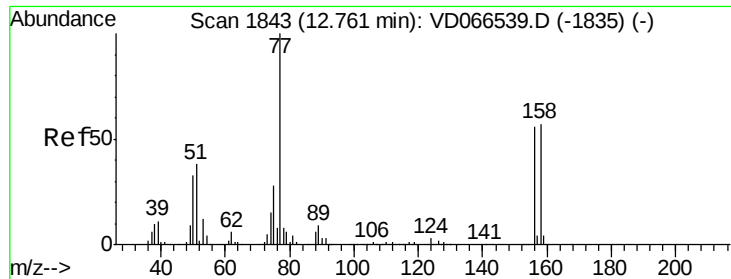
Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion:	75	Resp:	115233
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





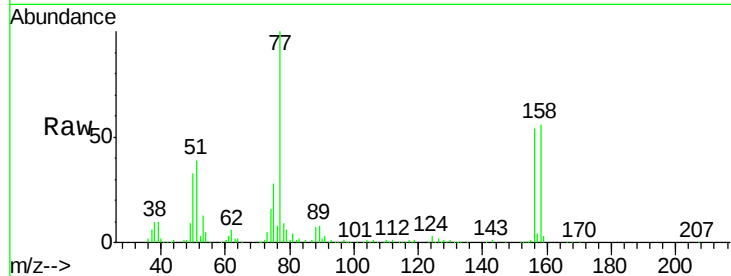
#77
Bromobenzene
Concen: 52.086 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

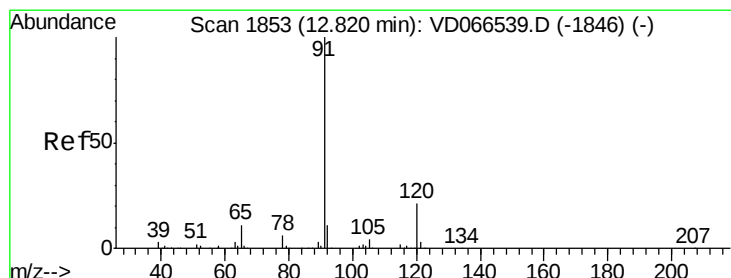
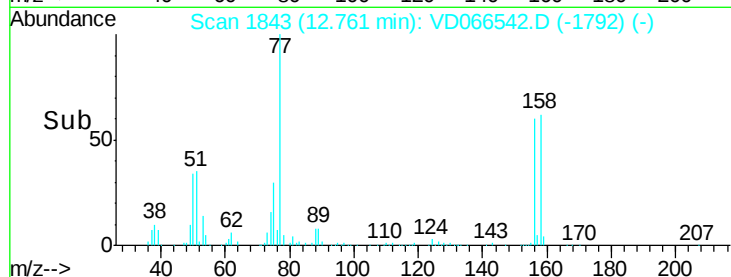
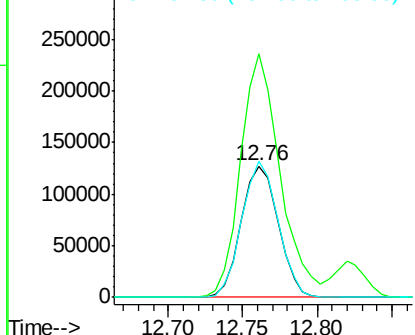
Tot Ion	Ratio	Lower	Upper
156	100		
77	196.8	98.0	294.1
158	100.8	48.1	144.3

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM

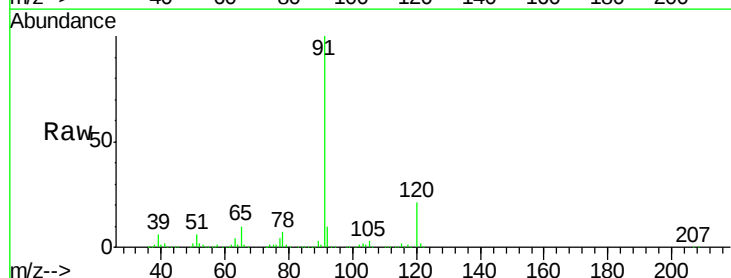


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

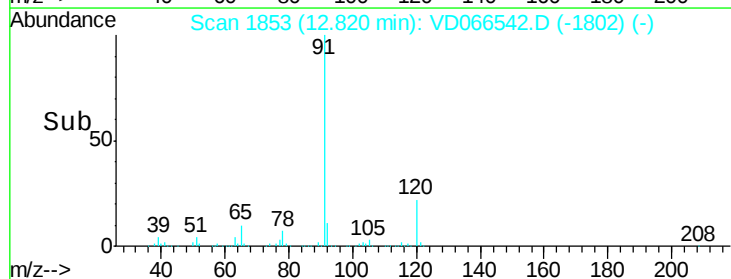
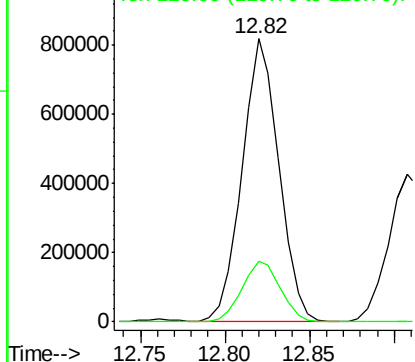


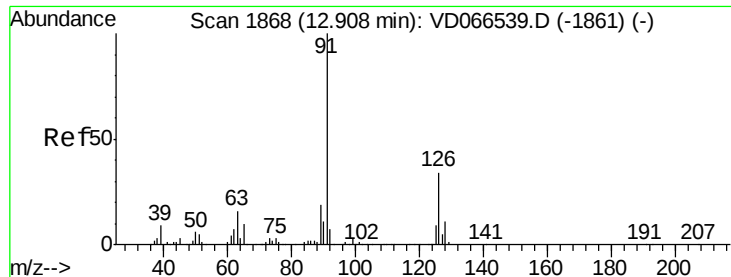
#78
n-propylbenzene
Concen: 53.927 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



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





#79

2-Chlorotoluene

Concen: 54.859 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion: 91 Resp: 706711

Ion Ratio Lower Upper

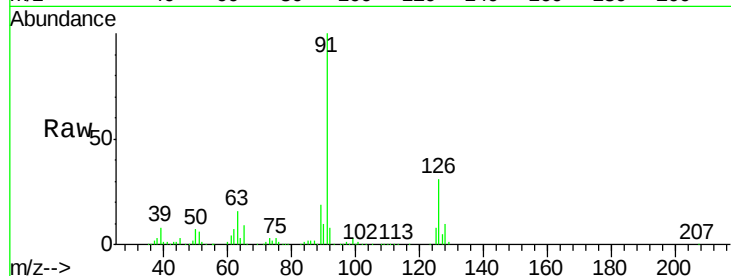
91 100

126 31.7 16.4 49.4

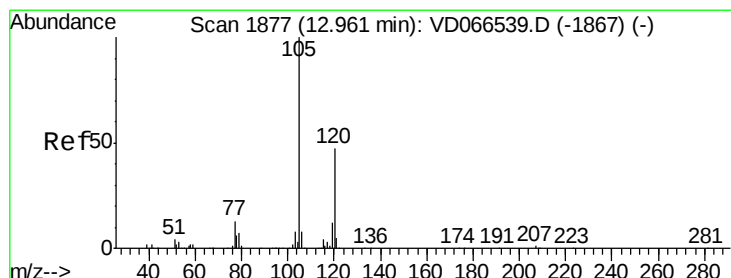
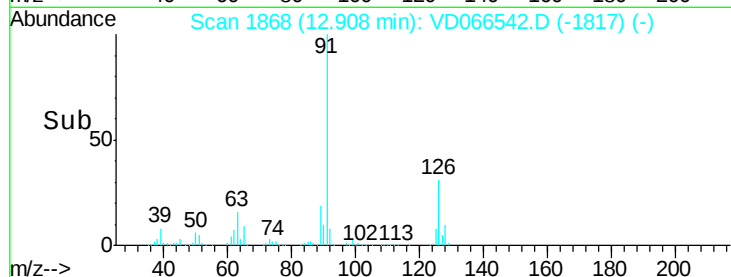
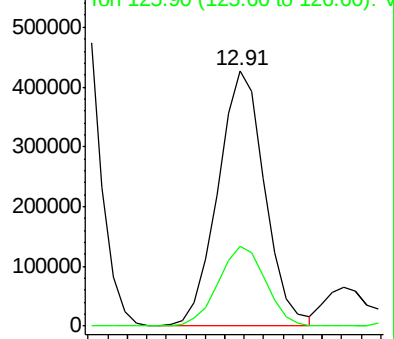
Manual Integrations
APPROVED

MMDadoda

9/4/2020 4:55:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066539.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.453 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066542.D

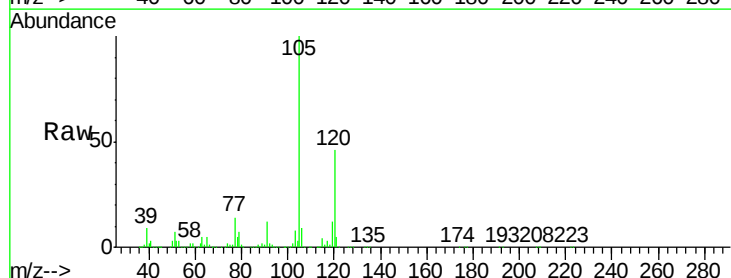
Acq: 03 Sep 2020 18:39

Tgt Ion: 105 Resp: 868169

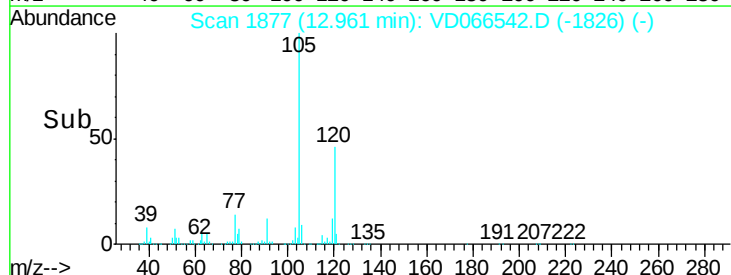
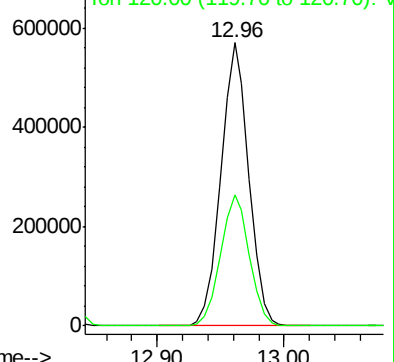
Ion Ratio Lower Upper

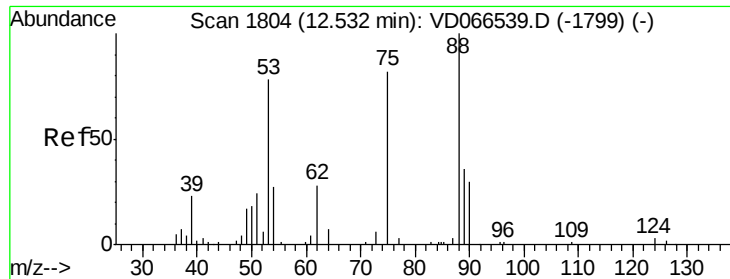
105 100

120 48.0 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VD066539.D (-1867) (-)





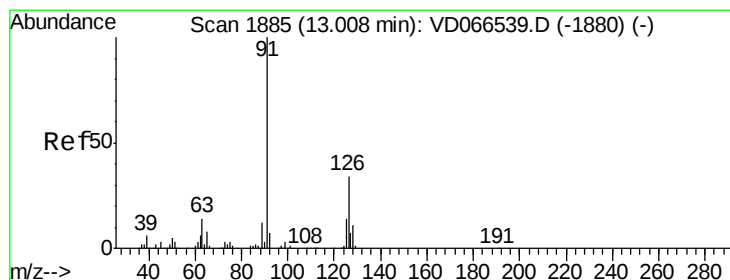
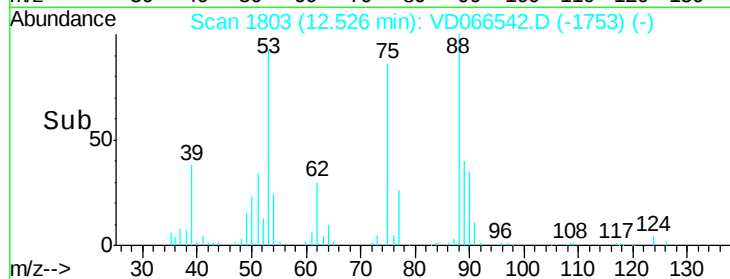
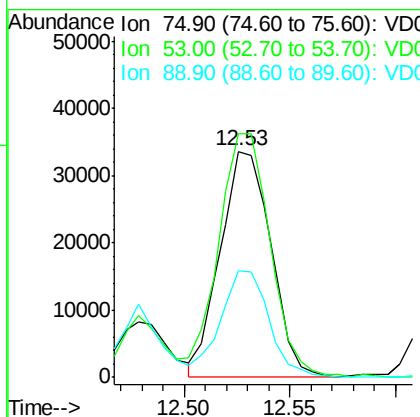
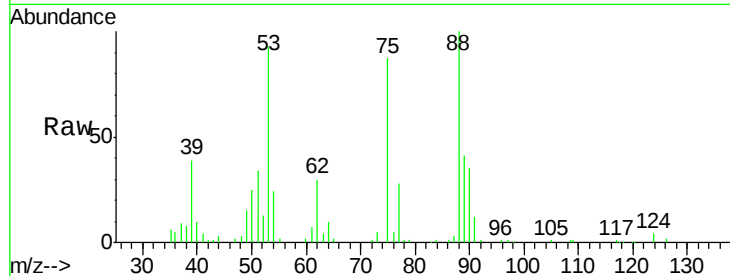
#81
trans-1,4-Dichloro-2-butene
Concen: 52.469 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.0	87.0	130.4
89	46.0	37.1	55.7

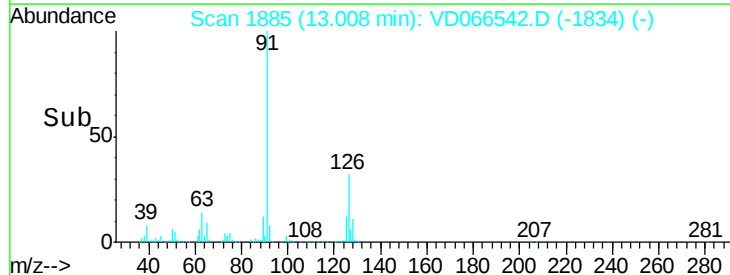
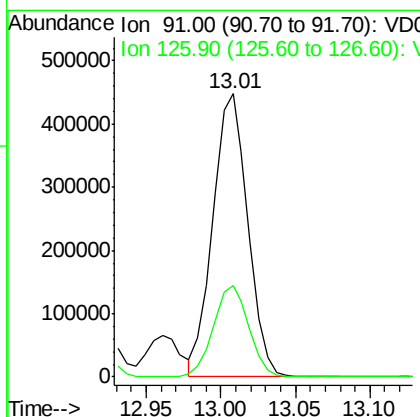
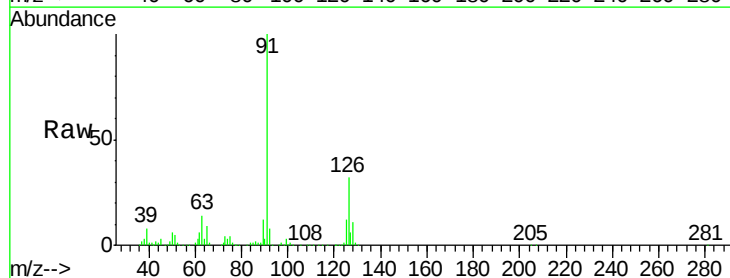
Manual Integrations
APPROVED

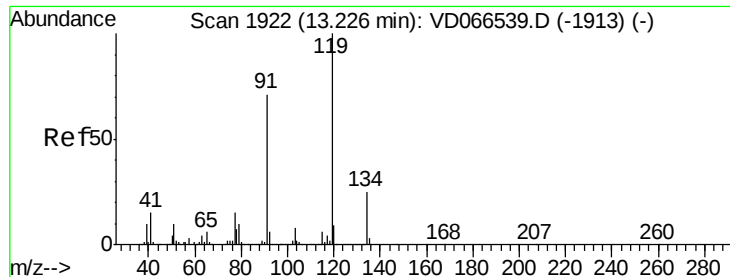
MMDadoda
9/4/2020 4:55:01 PM



#82
4-Chlorotoluene
Concen: 53.002 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.1





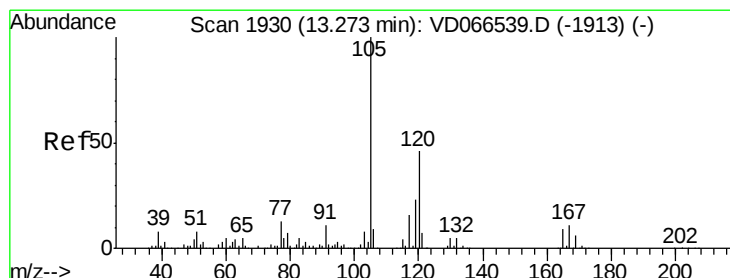
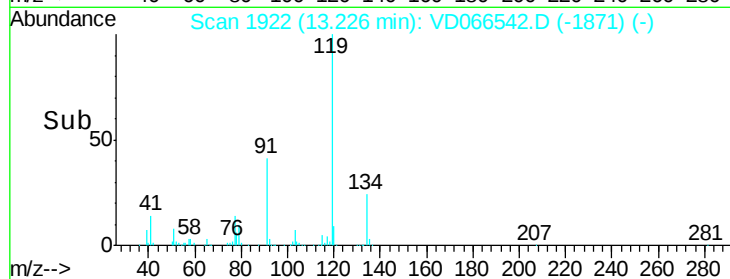
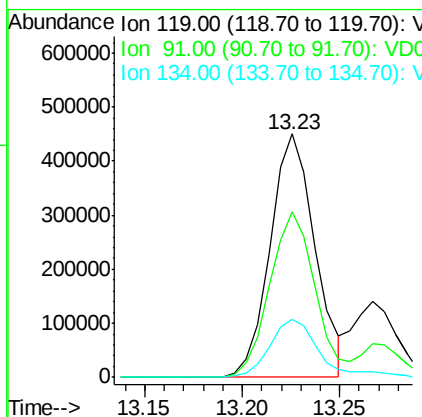
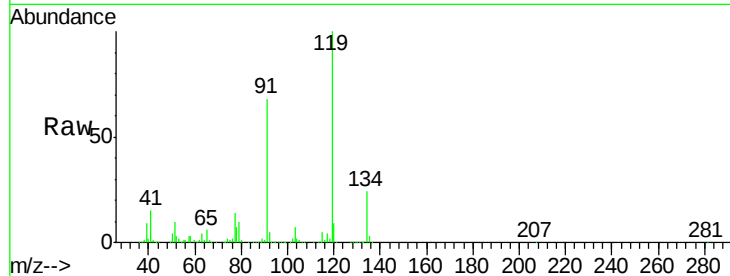
#83
tert-Butylbenzene
Concen: 54.960 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Resp	Lower	Upper
119	100	71559		
91	69.3	35.2	105.6	
134	26.4	13.5	40.5	

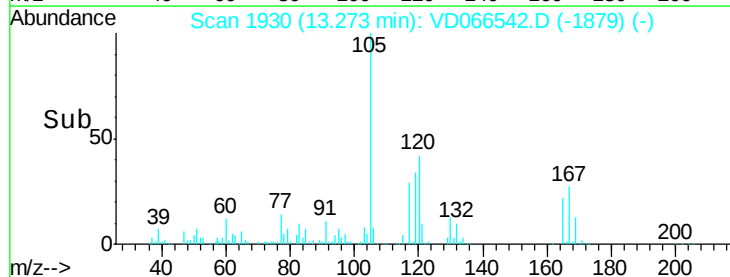
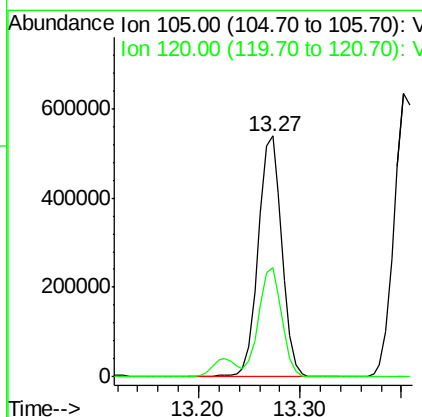
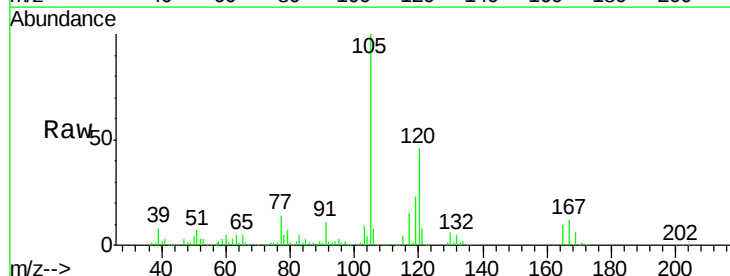
Manual Integrations
APPROVED

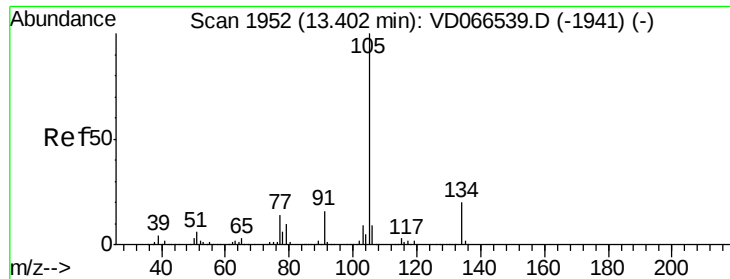
MMDadoda
9/4/2020 4:55:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.939 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	872079		
120	44.2	22.6	67.7	





#85

sec-Butylbenzene

Concen: 54.448 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

ICVVD090320

Tot Ion:105 Resp: 1021322

Ion Ratio Lower Upper

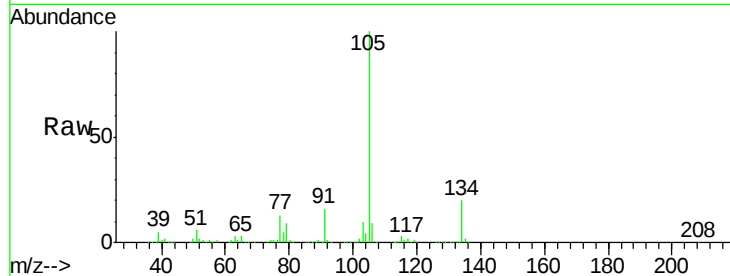
105 100

134 19.0 9.8 29.5

Manual Integrations
APPROVED

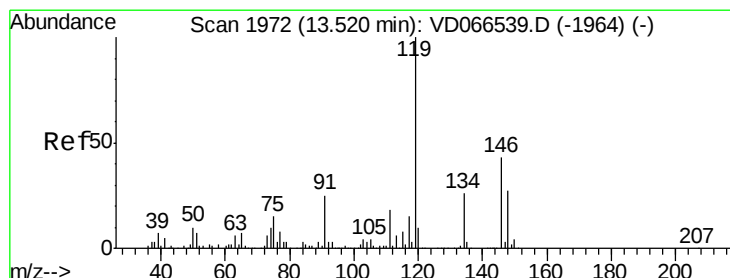
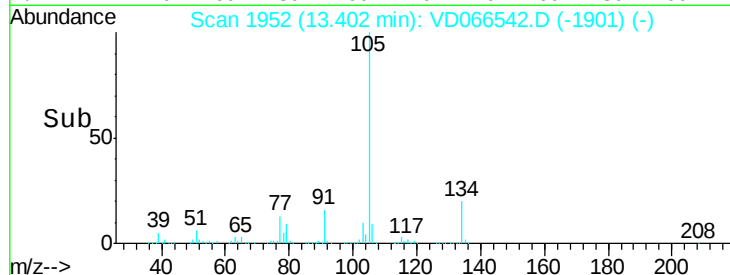
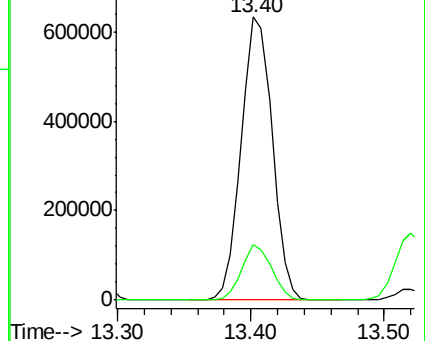
MMDadoda

9/4/2020 4:55:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.146 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

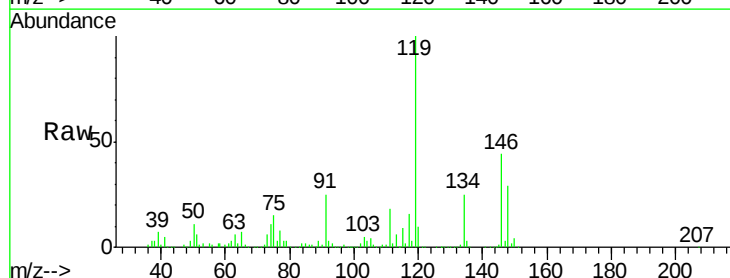
Tgt Ion:119 Resp: 914158

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.0

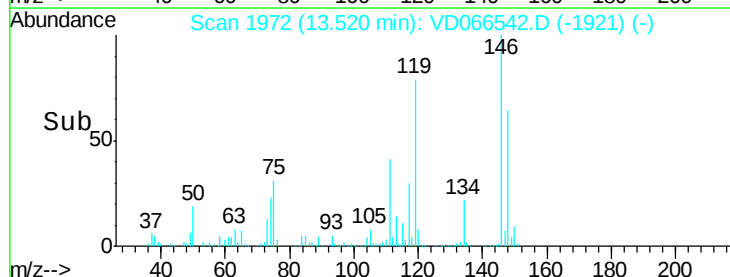
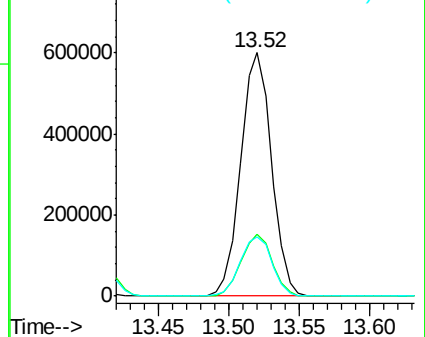
91 25.4 12.5 37.5

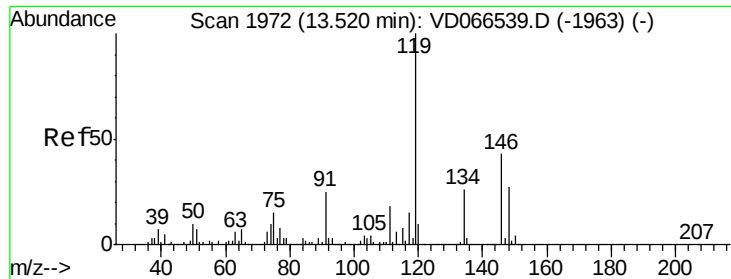


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.516 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066542.D

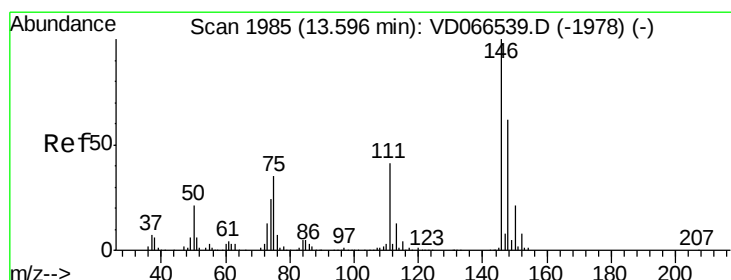
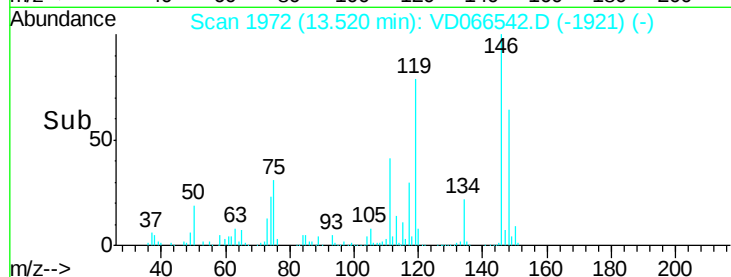
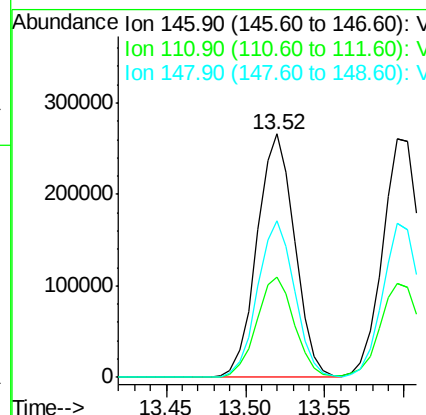
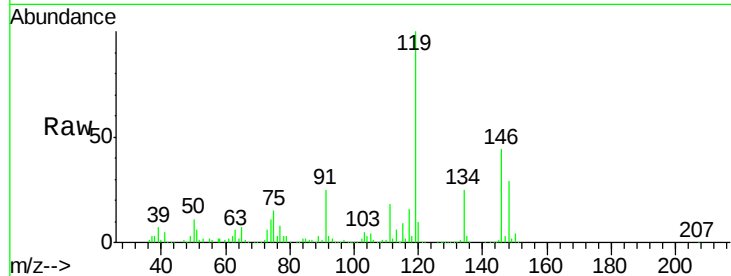
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Resp	Lower	Upper
146	100	440295		
111	41.3	20.6	61.9	
148	63.2	32.1	96.3	

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#88

1,4-Dichlorobenzene

Concen: 51.243 ug/l

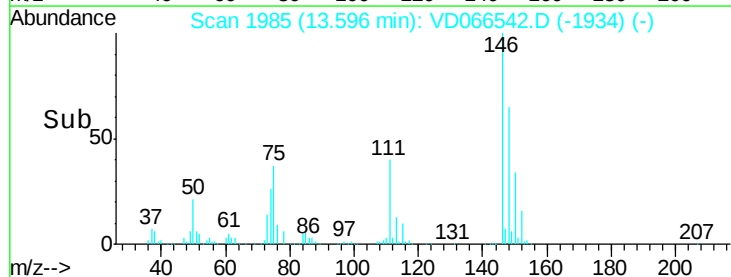
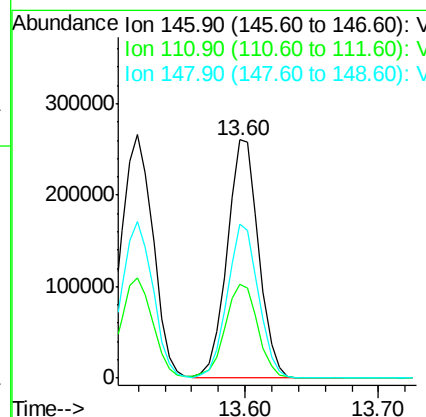
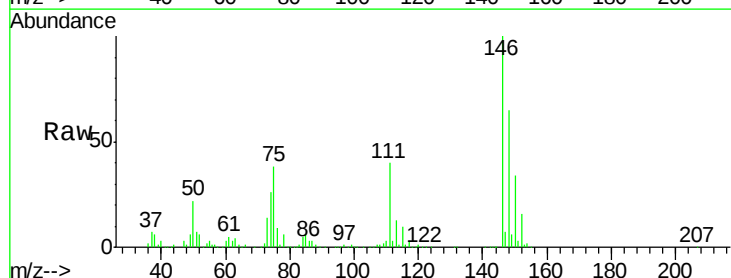
RT: 13.60 min Scan# 1985

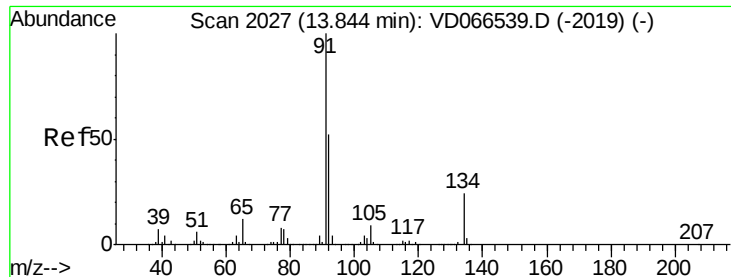
Delta R.T. -0.00 min

Lab File: VD066542.D

Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	431212		
111	40.9	20.1	60.2	
148	64.0	31.6	94.8	





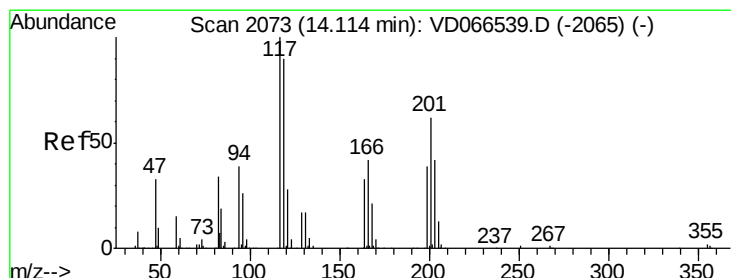
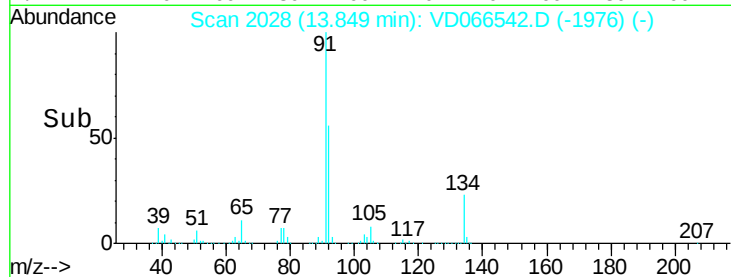
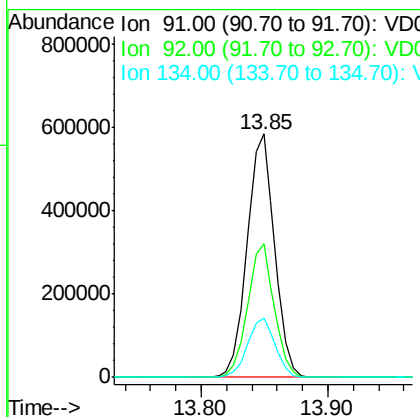
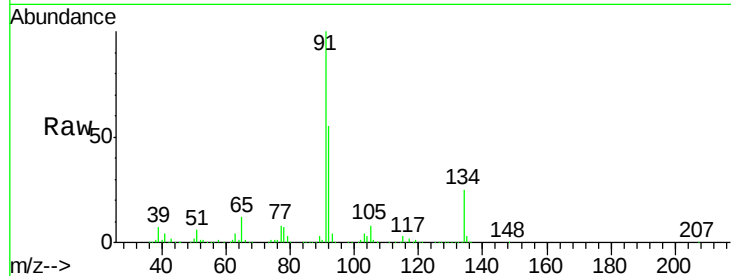
#89
n-Butylbenzene
Concen: 53.285 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	24.6	12.1	36.3

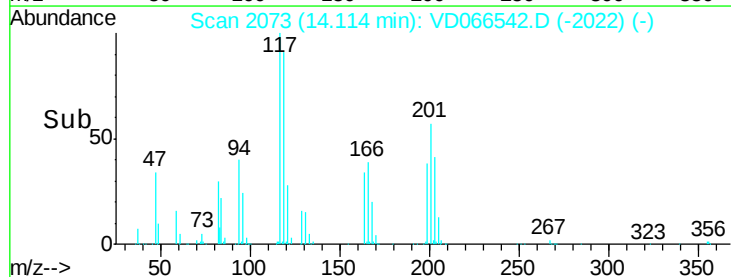
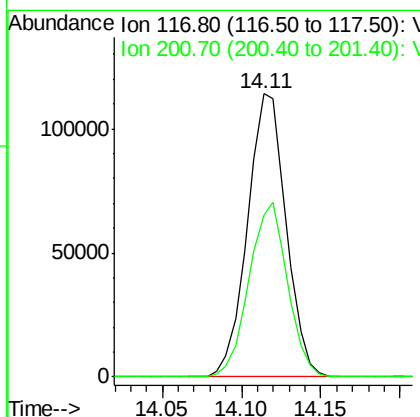
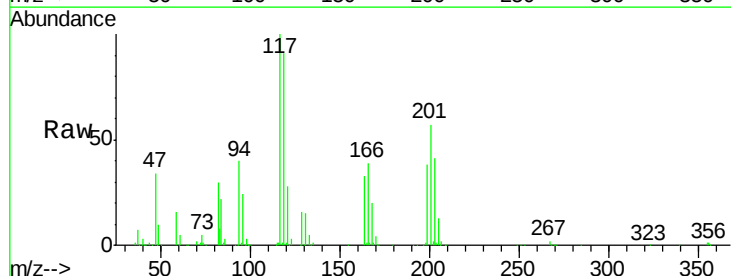
Manual Integrations
APPROVED

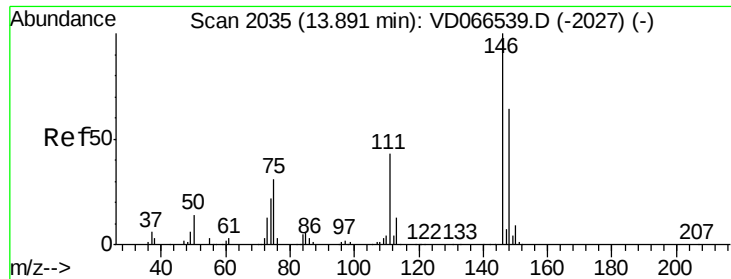
MMDadoda
9/4/2020 4:55:01 PM



#90
Hexachloroethane
Concen: 53.012 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.5	31.9	95.5





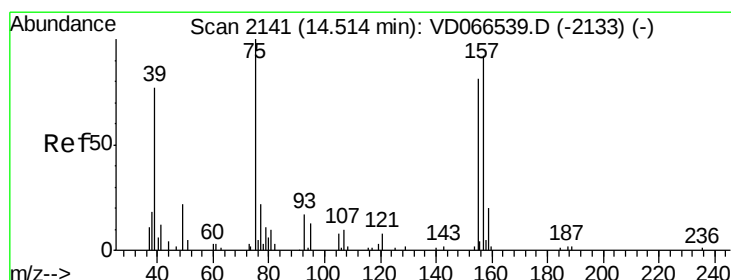
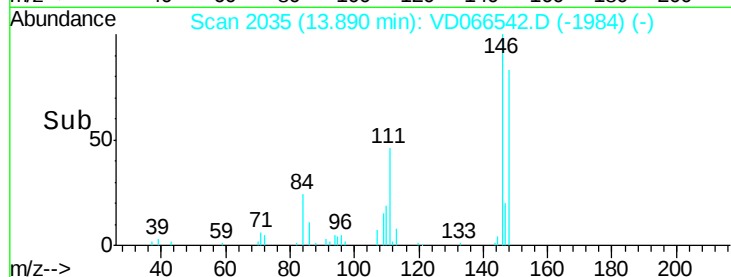
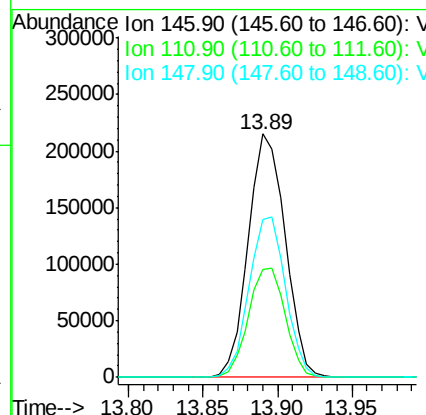
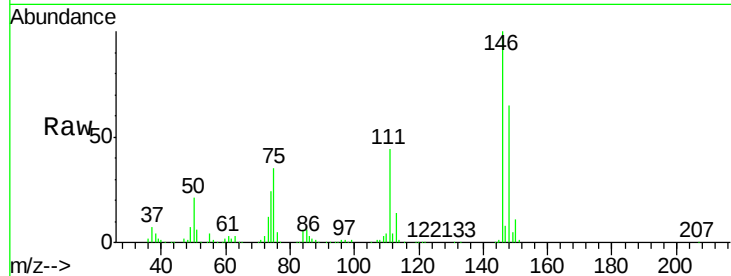
#91
 1,2-Dichlorobenzene
 Concen: 50.301 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

Tot Ion	Ratio	Resp	Lower	Upper
146	100	368617		
111	44.7	21.1	63.4	
148	64.9	31.8	95.3	

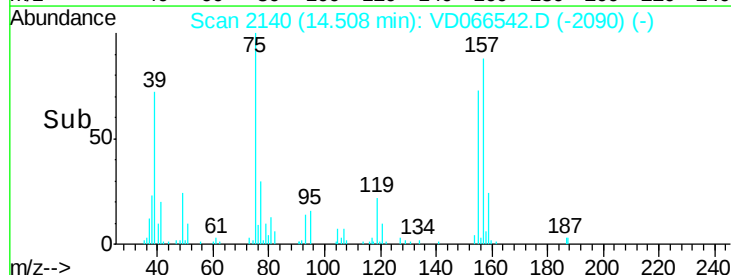
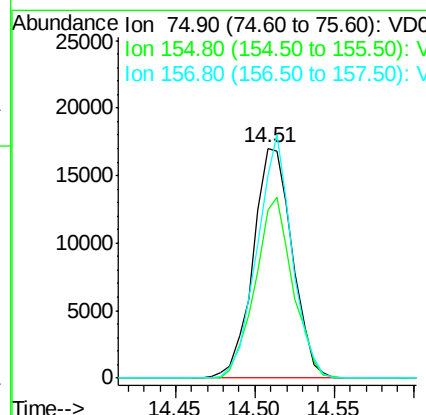
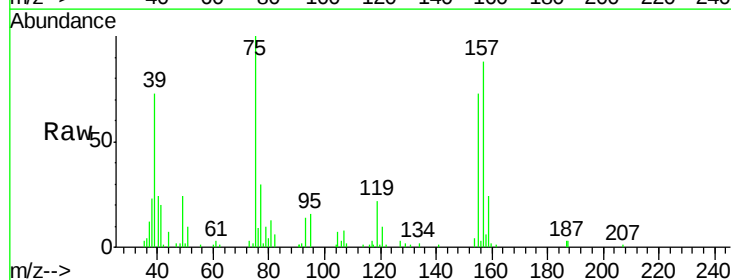
Manual Integrations
 APPROVED

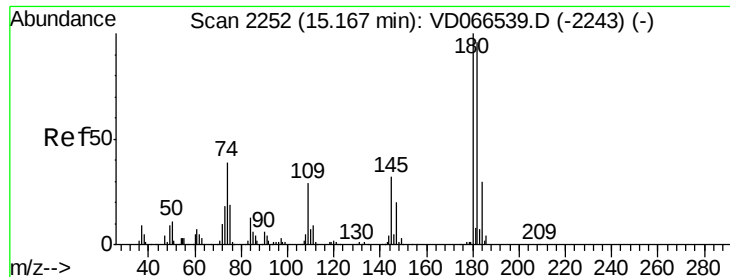
MMDadoda
 9/4/2020 4:55:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.254 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29137		
155	75.4	39.3	117.8	
157	94.5	46.0	137.8	





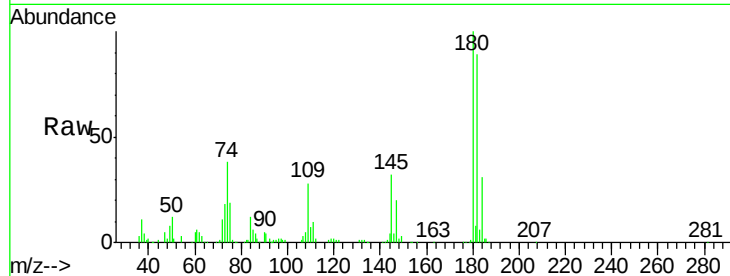
#93
 1,2,4-Trichlorobenzene
 Concen: 53.551 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090320

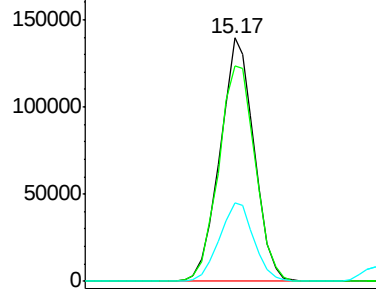
Tot Ion	Ratio	Resp	Lower	Upper
180	100	235517		
182	95.0	48.4	145.0	
145	32.8	16.7	50.0	

Manual Integrations
 APPROVED

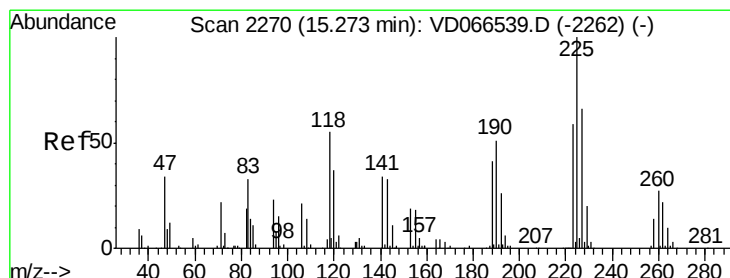
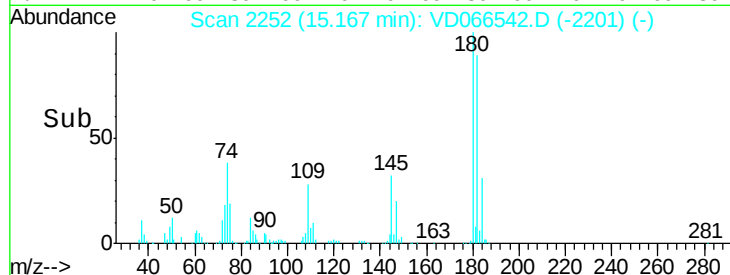
MMDadoda
 9/4/2020 4:55:01 PM



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

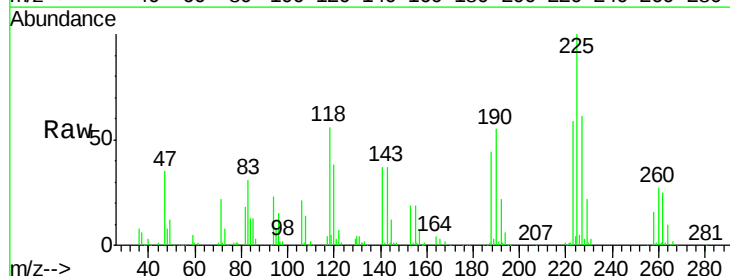


Time-->

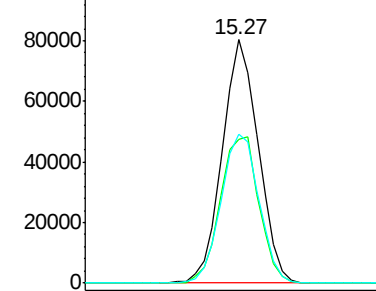


#94
 Hexachlorobutadiene
 Concen: 50.646 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066542.D
 Acq: 03 Sep 2020 18:39

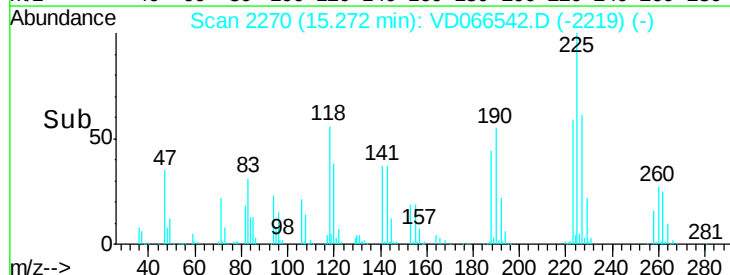
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133817		
223	64.4	30.5	91.5	
227	64.4	32.4	97.2	

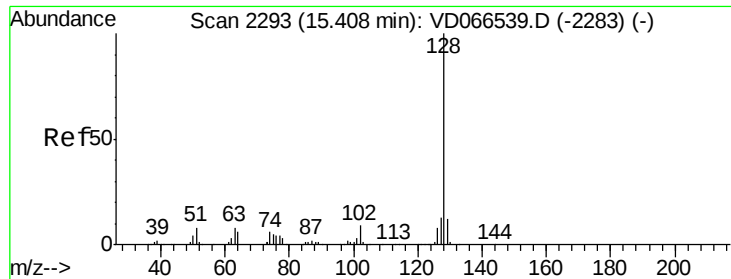


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





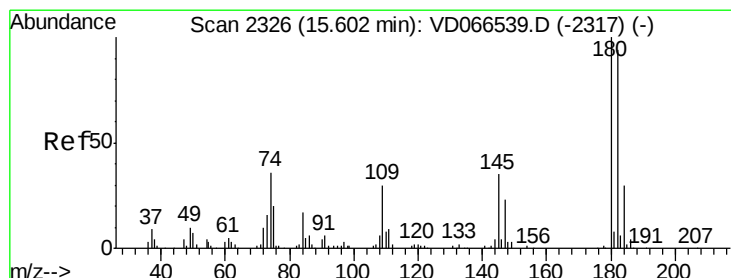
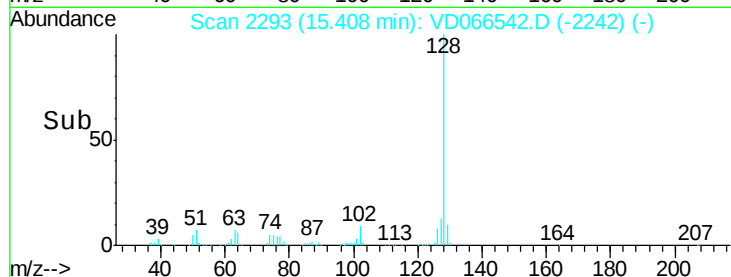
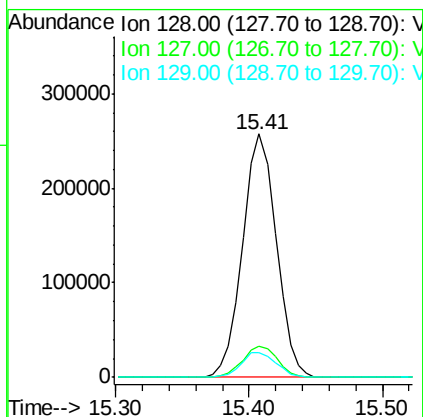
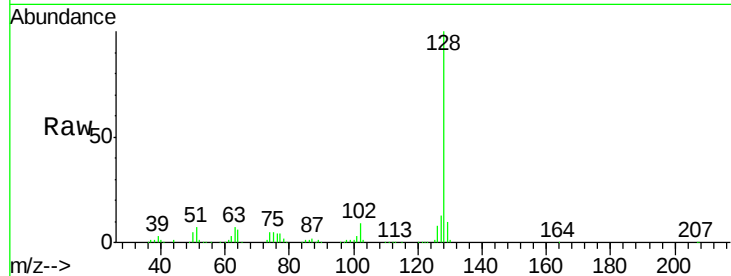
#95
Naphthalene
Concen: 58.605 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :
ICVVD090320

Tot Ion	Ratio	Resp	Lower	Upper
128	100	450396		
127	13.3		10.7	16.1
129	10.8		9.1	13.7

Manual Integrations
APPROVED

MMDadoda
9/4/2020 4:55:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.123 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066542.D
Acq: 03 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	206687		
182	93.7		47.9	143.6
145	34.6		17.3	51.7

