

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067185.D
 Acq On : 08 Oct 2020 10:57
 Operator : VA/SY
 Sample : VD1008SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:22:28 PM

Quant Time: Oct 08 16:30:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	357945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	537828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	501211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	170010	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.92	113	184252	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.34	98	668268	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.64	95	234928	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	81001	25.700	ug/l	96
3) Chloromethane	2.21	50	53720	18.845	ug/l	98
4) Vinyl Chloride	2.35	62	53861	18.844	ug/l	98
5) Bromomethane	2.76	94	43023	20.825	ug/l	98
6) Chloroethane	2.92	64	34707	19.939	ug/l	99
7) Trichlorofluoromethane	3.27	101	137643	21.675	ug/l	94
8) Diethyl Ether	3.71	74	30591	19.426	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	75807	21.120	ug/l	99
10) Methyl Iodide	4.30	142	60679	17.398	ug/l	94
11) Tert butyl alcohol	5.21	59	24537m	90.420	ug/l	
12) 1,1-Dichloroethene	4.06	96	67381	19.969	ug/l	94
13) Acrolein	3.92	56	16380	70.953	ug/l	89
14) Allyl chloride	4.71	41	77935	17.779	ug/l	92
15) Acrylonitrile	5.42	53	54023	93.210	ug/l	94
16) Acetone	4.16	43	50361	95.690	ug/l	96
17) Carbon Disulfide	4.41	76	195989	18.926	ug/l	99
18) Methyl Acetate	4.71	43	23218	17.553	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	125793	20.422	ug/l	91
20) Methylene Chloride	4.96	84	87053	18.764	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	77998	20.312	ug/l	96
22) Diisopropyl ether	6.37	45	150406	18.795	ug/l	95
23) Vinyl Acetate	6.30	43	404629	89.228	ug/l	97
24) 1,1-Dichloroethane	6.26	63	120313	19.481	ug/l	98
25) 2-Butanone	7.21	43	63065	84.519	ug/l	93
26) 2,2-Dichloropropane	7.21	77	123610	21.015	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	83115	20.266	ug/l	98
28) Bromochloromethane	7.54	49	38565	16.169	ug/l	83
29) Tetrahydrofuran	7.56	42	36701	85.542	ug/l	88
30) Chloroform	7.71	83	141849	21.173	ug/l	96
31) Cyclohexane	7.98	56	93021	17.966	ug/l	# 92
32) 1,1,1-Trichloroethane	7.90	97	138482	22.303	ug/l	96
36) 1,1-Dichloropropene	8.11	75	103421	20.630	ug/l	95
37) Ethyl Acetate	7.29	43	33290	19.169	ug/l	95
38) Carbon Tetrachloride	8.10	117	129729	23.917	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067185.D
 Acq On : 08 Oct 2020 10:57
 Operator : VA/SY
 Sample : VD1008SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:22:28 PM

Quant Time: Oct 08 16:30:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	106426	20.080	ug/l	98
40) Benzene	8.36	78	284124	20.405	ug/l	97
41) Methacrylonitrile	7.53	41	19915	21.226	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	86425	22.212	ug/l	98
43) Isopropyl Acetate	8.45	43	58673	18.339	ug/l #	59
44) Trichloroethene	9.11	130	91906	22.104	ug/l	96
45) 1,2-Dichloropropane	9.39	63	65548	20.035	ug/l	95
46) Dibromomethane	9.47	93	40990	21.799	ug/l	99
47) Bromodichloromethane	9.66	83	109358	22.373	ug/l	93
48) Methyl methacrylate	9.46	41	28811	17.578	ug/l #	73
49) 1,4-Dioxane	9.47	88	7824	398.667	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	153620	96.398	ug/l	100
52) Toluene	10.40	92	201041	22.413	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	93596	21.425	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	114009	21.372	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	54665	20.910	ug/l	96
56) Ethyl methacrylate	10.66	69	59032	21.871	ug/l	95
57) 1,3-Dichloropropane	10.95	76	89897	21.205	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	147637	98.274	ug/l	95
59) 2-Hexanone	10.98	43	105517	99.204	ug/l	98
60) Dibromochloromethane	11.14	129	79937	22.941	ug/l	100
61) 1,2-Dibromoethane	11.24	107	55344	22.035	ug/l	98
64) Tetrachloroethene	10.87	164	80899	22.202	ug/l	92
65) Chlorobenzene	11.67	112	220855	22.155	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	84830	22.372	ug/l	98
67) Ethyl Benzene	11.75	91	377403	22.096	ug/l	100
68) m/p-Xylenes	11.86	106	298259	44.808	ug/l	97
69) o-Xylene	12.18	106	131071	22.020	ug/l	95
70) Styrene	12.20	104	230202	22.522	ug/l	100
71) Bromoform	12.36	173	45669	23.202	ug/l #	97
73) Isopropylbenzene	12.48	105	371582	21.594	ug/l	100
74) N-amyl acetate	12.29	43	54477	17.611	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	56613	19.527	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	43385m	19.654	ug/l	
77) Bromobenzene	12.76	156	93757	22.564	ug/l	90
78) n-propylbenzene	12.83	91	435737	21.426	ug/l	97
79) 2-Chlorotoluene	12.91	91	250055	21.491	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	319876	22.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	17293	19.531	ug/l	97
82) 4-Chlorotoluene	13.01	91	265927	21.481	ug/l	100
83) tert-Butylbenzene	13.23	119	275078	22.468	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	319243	22.003	ug/l	100
85) sec-Butylbenzene	13.41	105	375376	21.772	ug/l	100
86) p-Isopropyltoluene	13.52	119	352256	22.037	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	176970	21.866	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	173302	21.415	ug/l	99
89) n-Butylbenzene	13.85	91	315213	21.577	ug/l	97
90) Hexachloroethane	14.12	117	59864	21.380	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	149898	21.207	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9388	20.087	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
Data File : VD067185.D
Acq On : 08 Oct 2020 10:57
Operator : VA/SY
Sample : VD1008SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

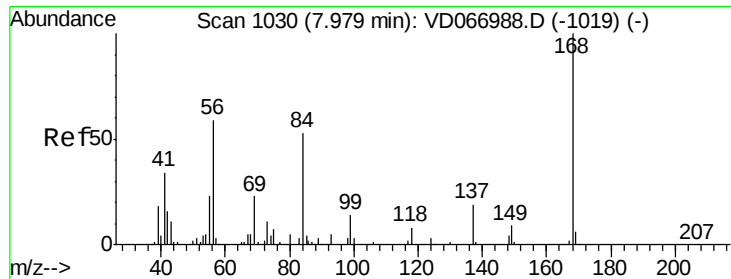
Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM

Quant Time: Oct 08 16:30:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	103771	22.697	ug/l	98
94) Hexachlorobutadiene	15.28	225	61087	21.756	ug/l	98
95) Naphthalene	15.41	128	156421	20.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	88547	22.310	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion:168 Resp: 357945

Ion Ratio Lower Upper

168 100

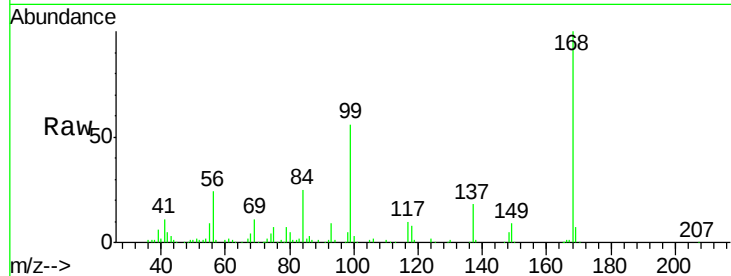
99 55.8 44.1 66.1

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:22:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

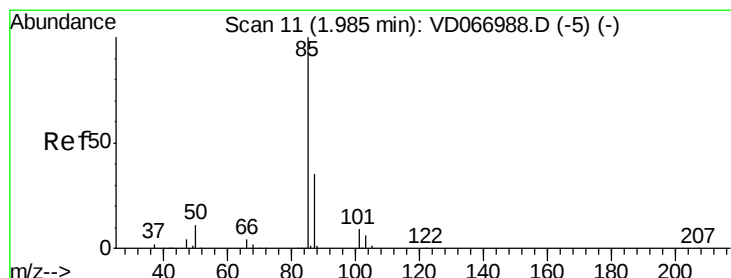
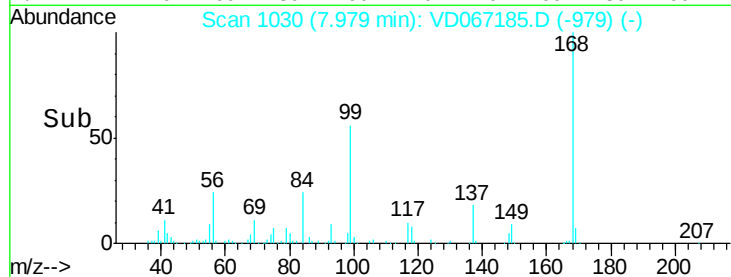
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 25.700 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067185.D

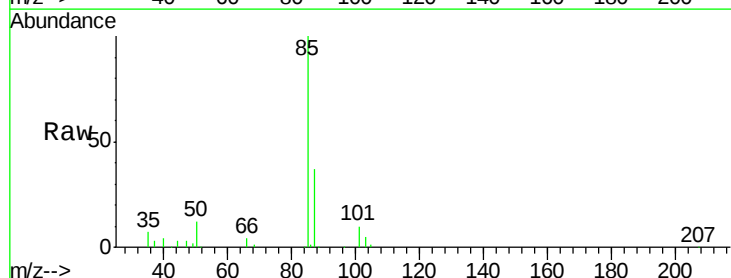
Acq: 08 Oct 2020 10:57

Tgt Ion: 85 Resp: 81001

Ion Ratio Lower Upper

85 100

87 37.0 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

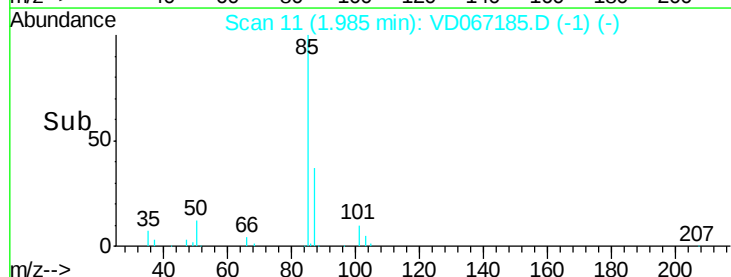
40000

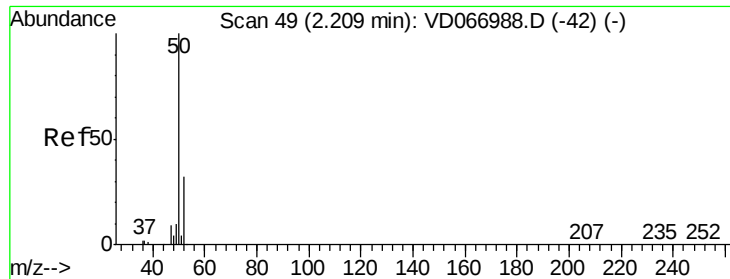
20000

0

1.90 1.95 2.00 2.05

Time-->





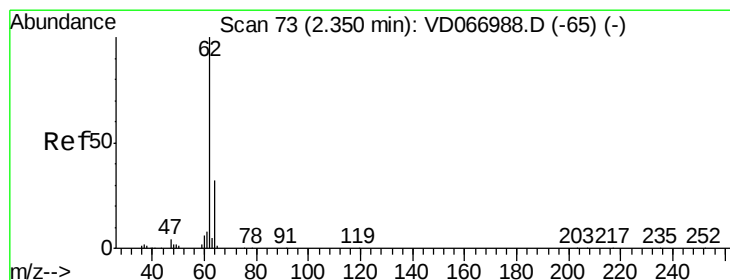
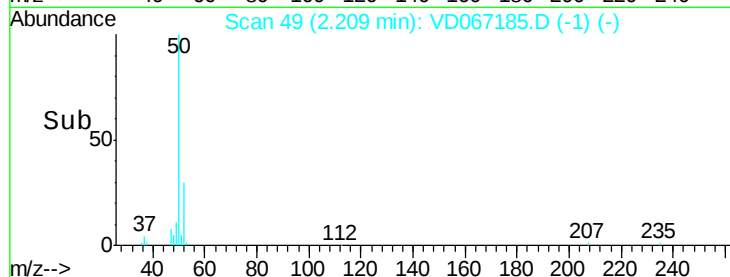
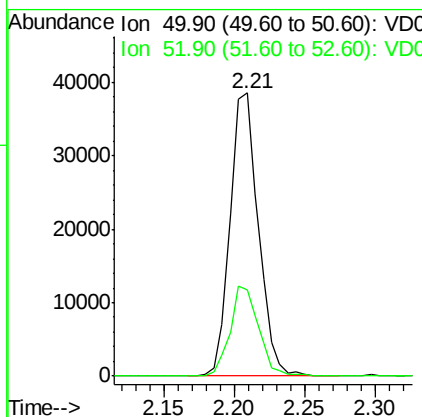
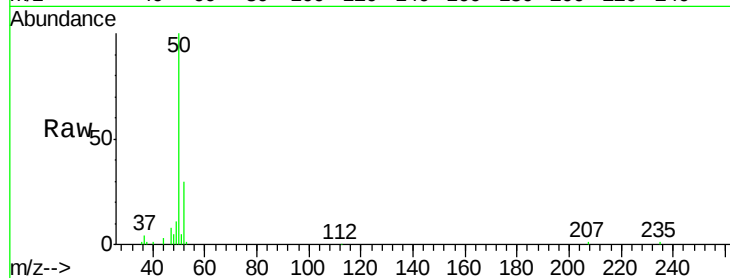
#3
Chloromethane
Concen: 18.845 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	30.4	25.3	37.9

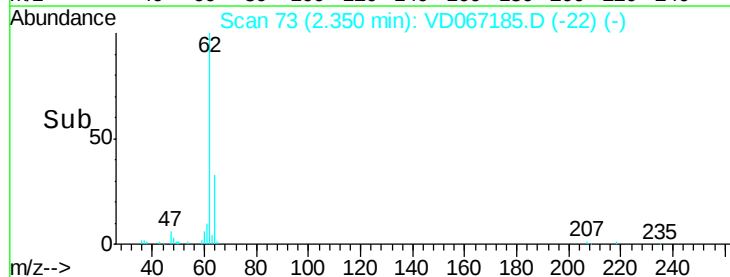
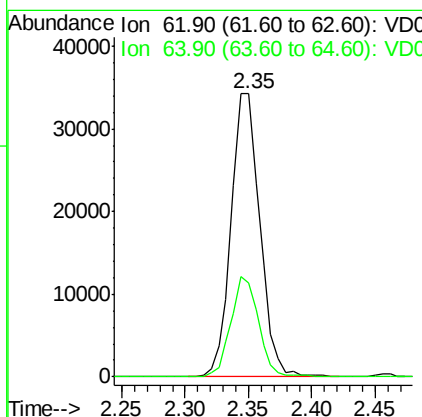
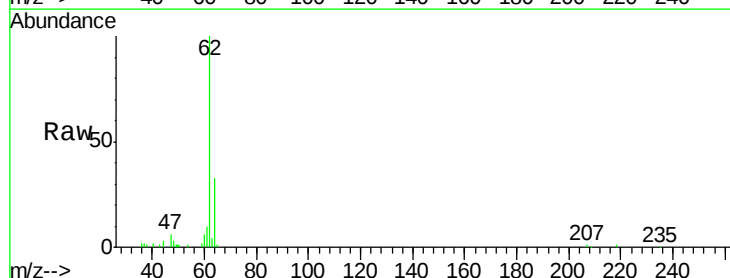
Manual Integrations
APPROVED

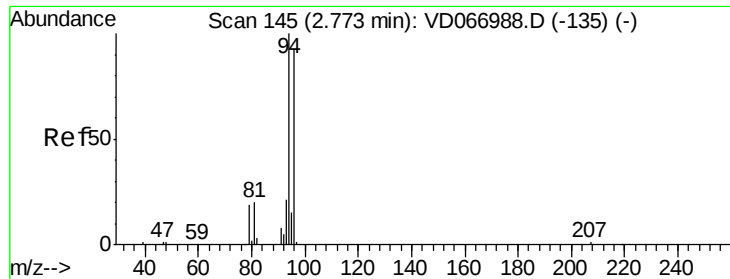
MMDadoda
10/9/2020 4:22:28 PM



#4
Vinyl Chloride
Concen: 18.844 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.4	25.8	38.8





#5

Bromomethane

Concen: 20.825 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 94 Resp: 43023

Ion Ratio Lower Upper

94 100

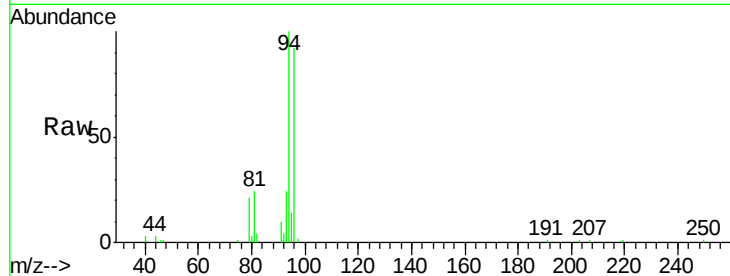
96 91.5 74.6 112.0

Manual Integrations

APPROVED

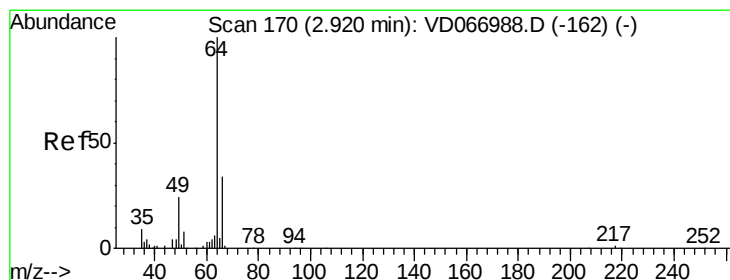
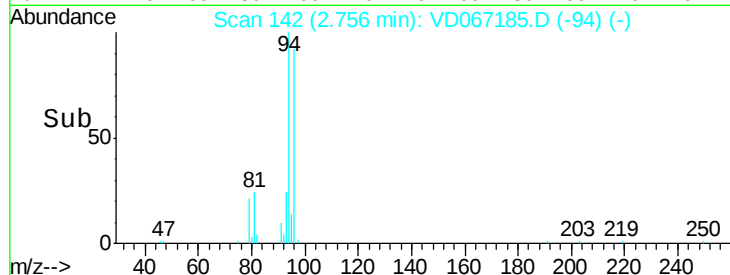
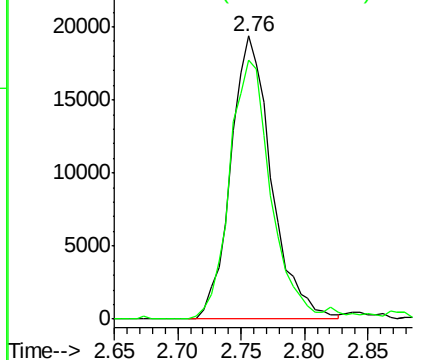
MMDadoda

10/9/2020 4:22:28 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.939 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067185.D

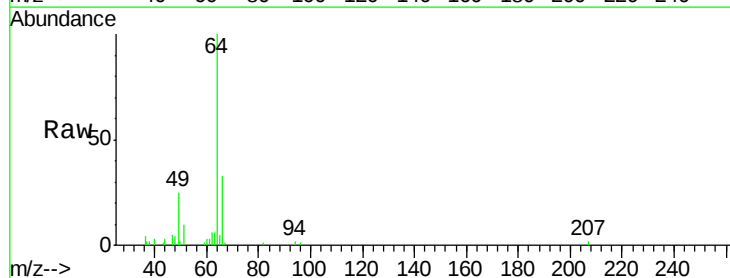
Acq: 08 Oct 2020 10:57

Tgt Ion: 64 Resp: 34707

Ion Ratio Lower Upper

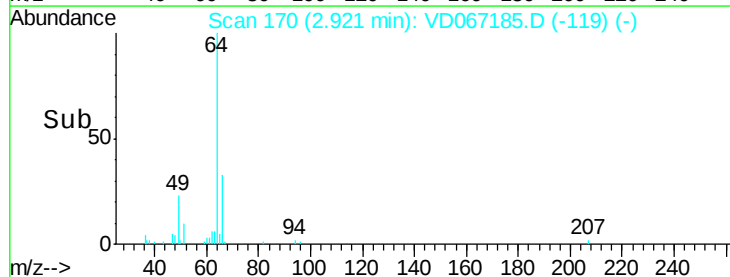
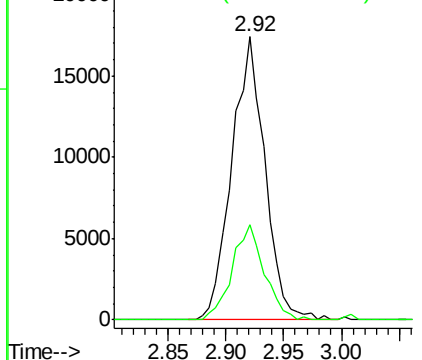
64 100

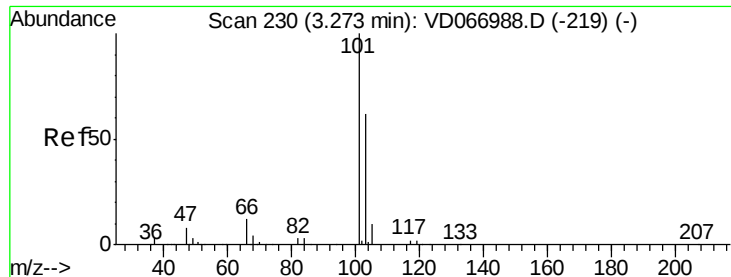
66 33.5 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

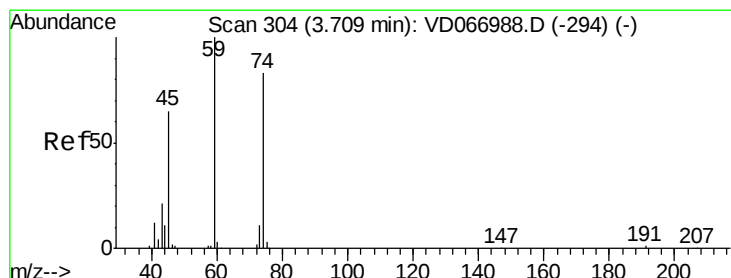
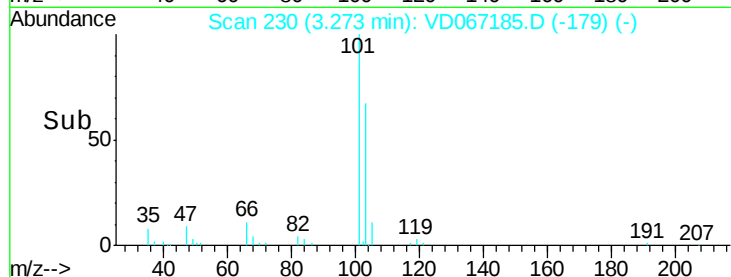
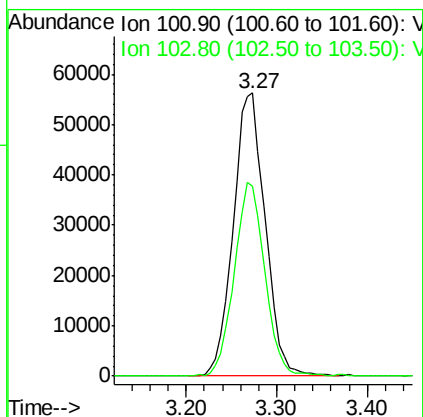
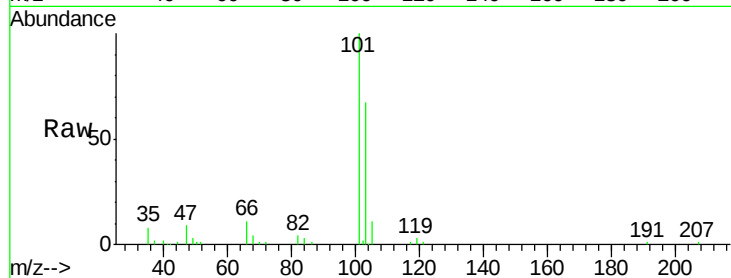
Trichlorofluoromethane
 Concen: 21.675 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	49.8	74.8

Manual Integrations
 APPROVED

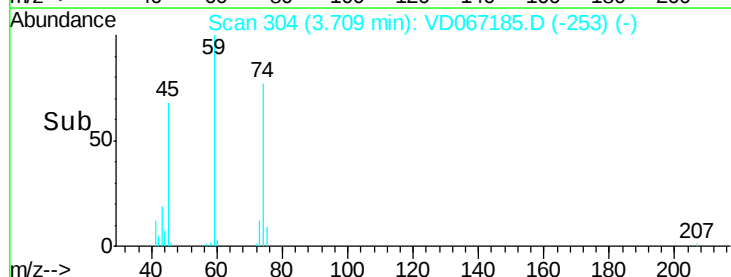
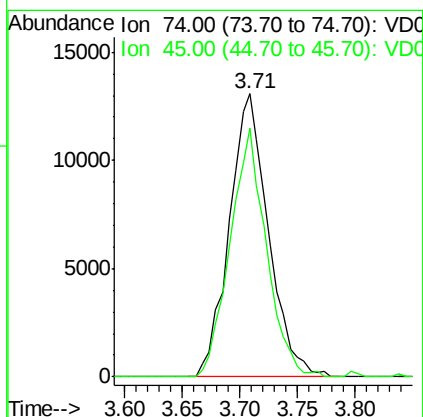
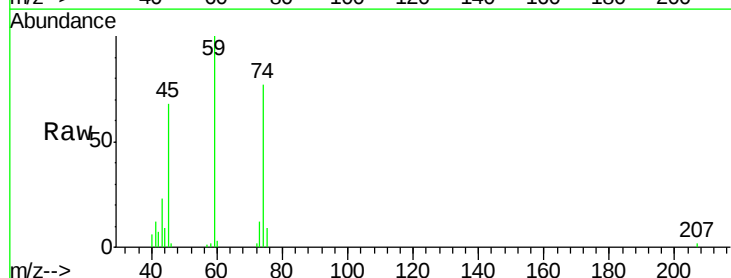
MMDadoda
 10/9/2020 4:22:28 PM

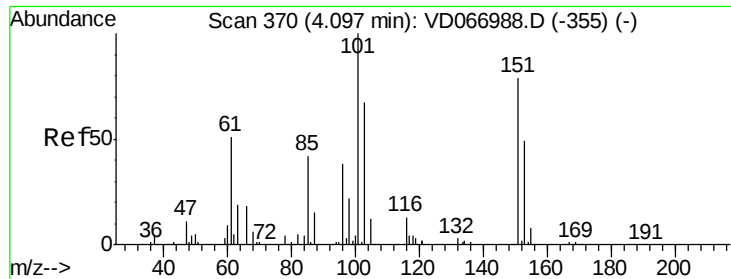


#8

Diethyl Ether
 Concen: 19.426 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.7	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.120 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

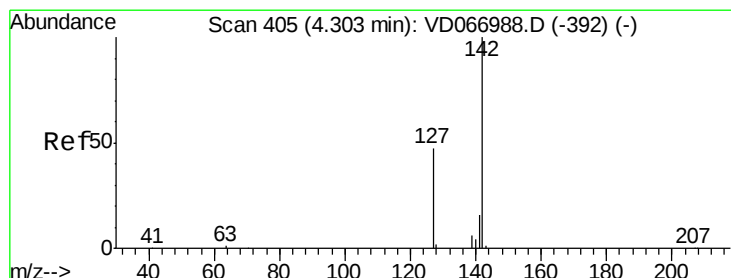
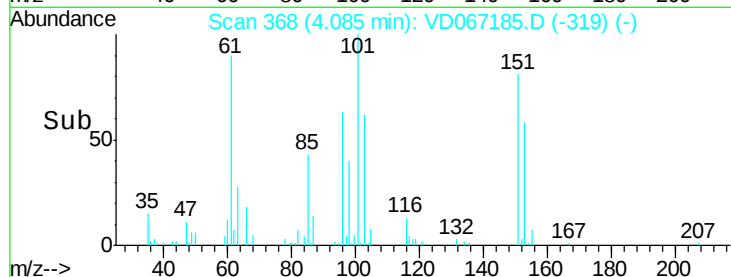
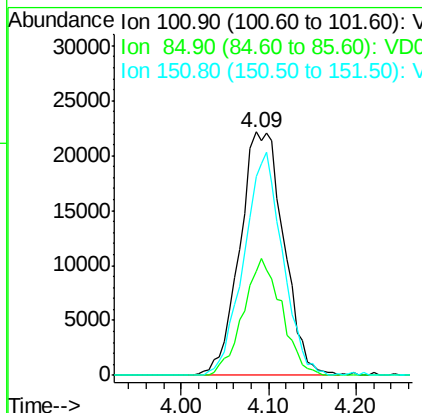
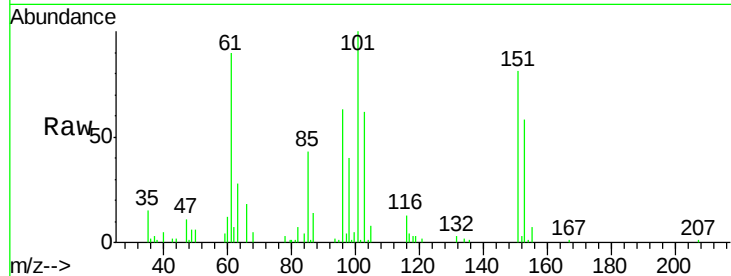
ClientSampleId :

VD1008SBS01

Tot Ion:	101	Resp:	75807
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.8	50.8
151	80.8	63.8	95.8

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#10

Methyl Iodide

Concen: 17.398 ug/l

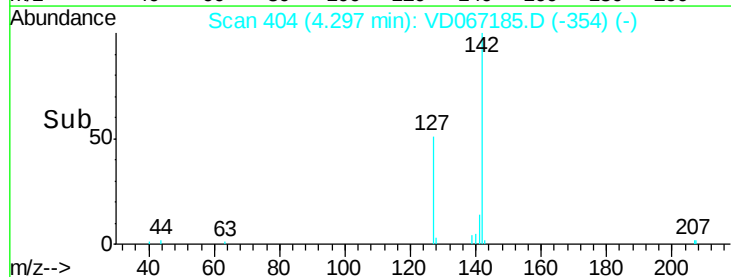
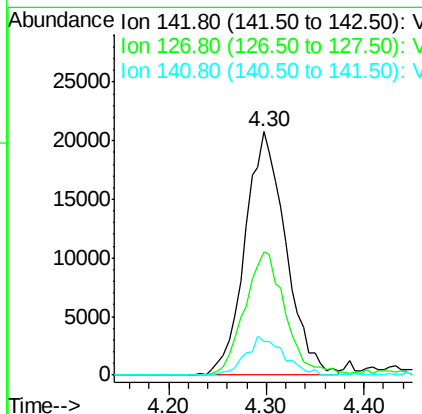
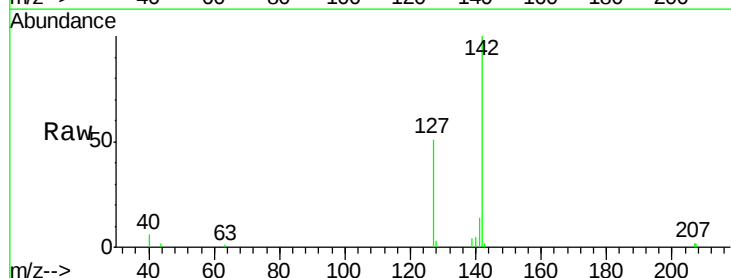
RT: 4.30 min Scan# 404

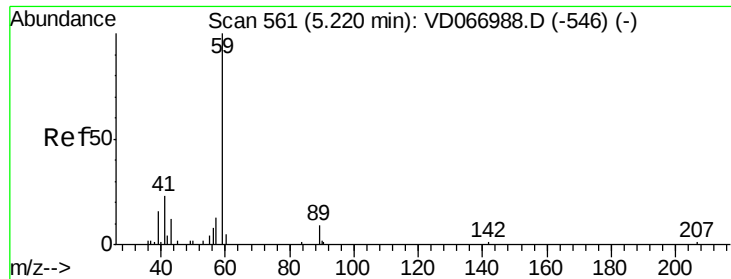
Delta R.T. -0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Tgt Ion:	142	Resp:	60679
Ion Ratio	Lower	Upper	
142	100		
127	50.5	36.3	54.5
141	14.6	12.0	18.0





#11

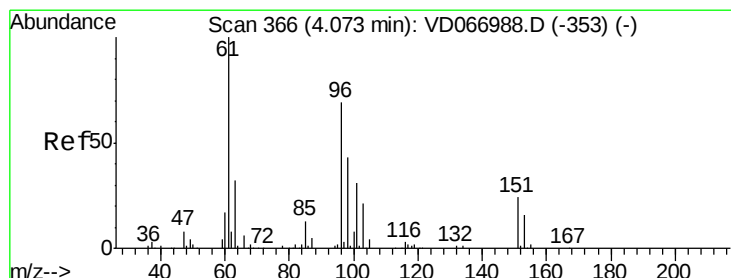
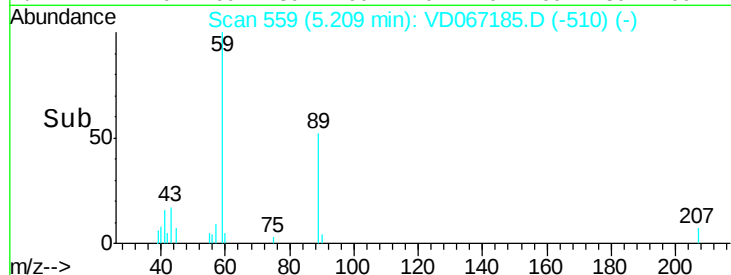
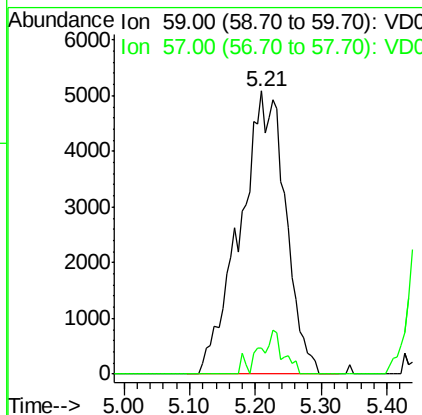
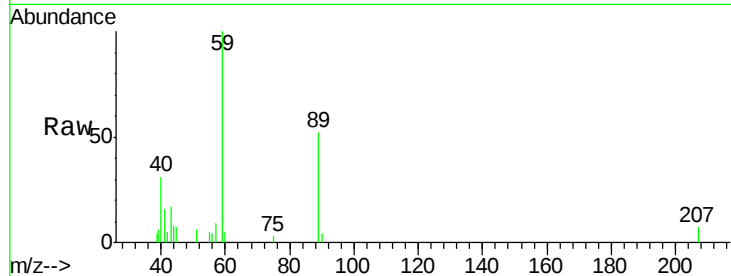
Tert butyl alcohol
 Concen: 90.420 ug/l m
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	8.2	12.4#

Manual Integrations
 APPROVED

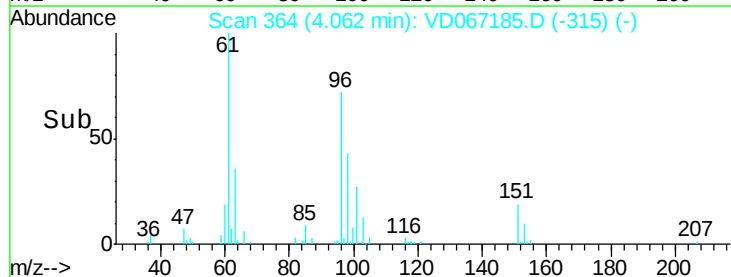
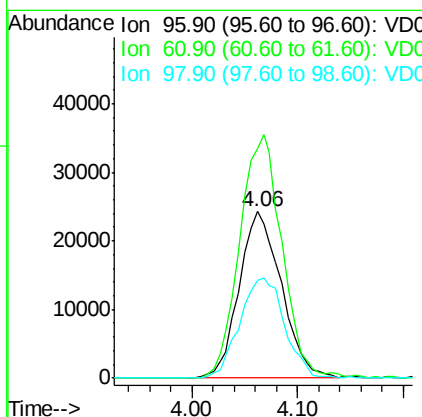
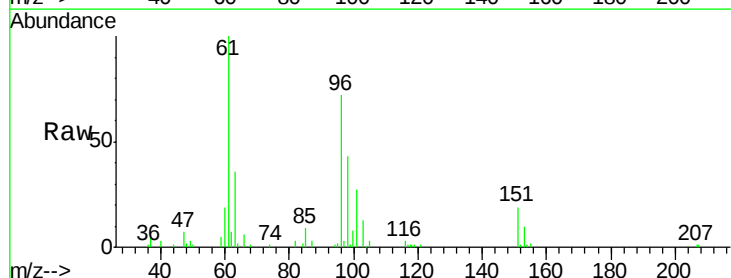
MMDadoda
 10/9/2020 4:22:28 PM

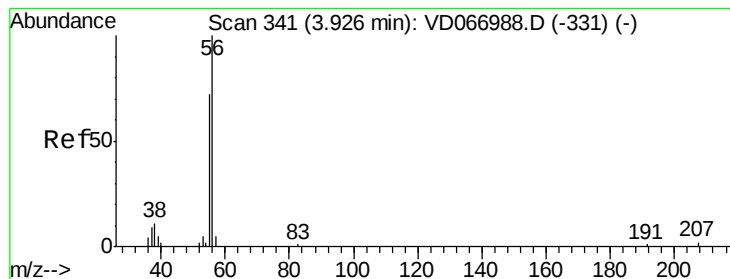


#12

1,1-Dichloroethene
 Concen: 19.969 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.9	116.4	174.6
98	58.8	49.9	74.9





#13

Acrolein

Concen: 70.953 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 56 Resp: 16380

Ion Ratio Lower Upper

56 100

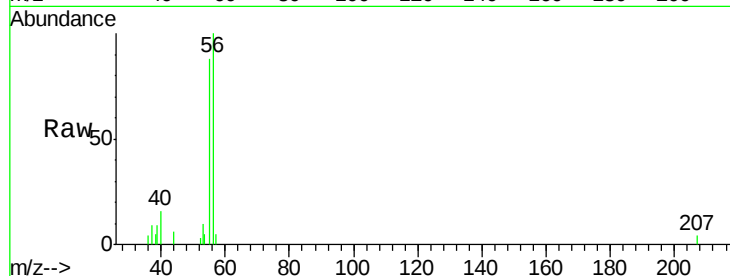
55 80.4 56.9 85.3

Manual Integrations

APPROVED

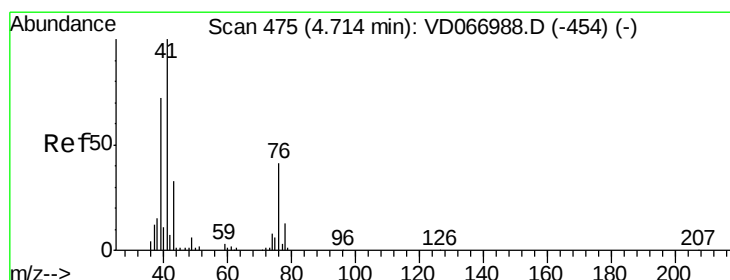
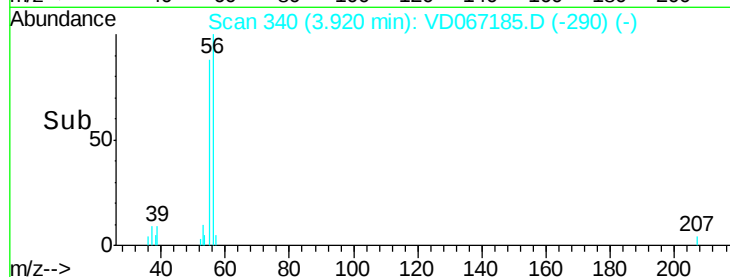
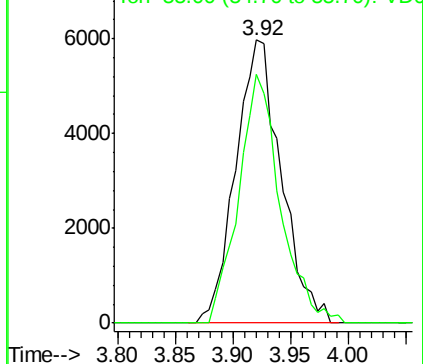
MMDadoda

10/9/2020 4:22:28 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.779 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

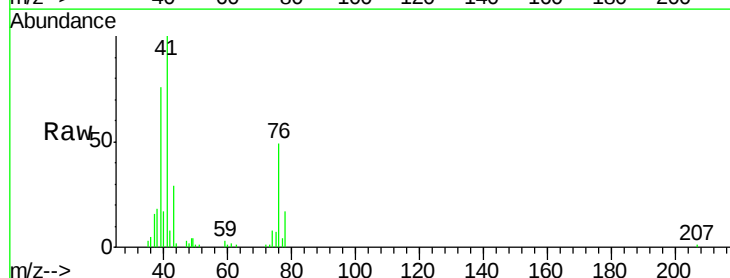
Tgt Ion: 41 Resp: 77935

Ion Ratio Lower Upper

41 100

39 77.6 56.2 84.2

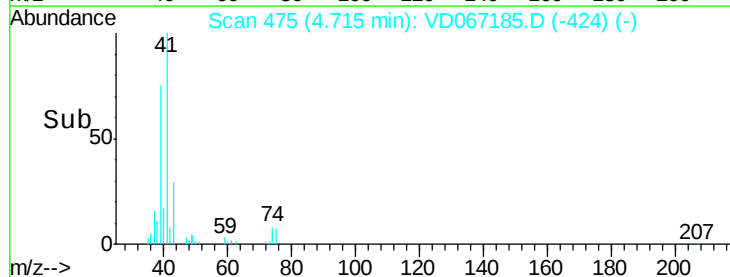
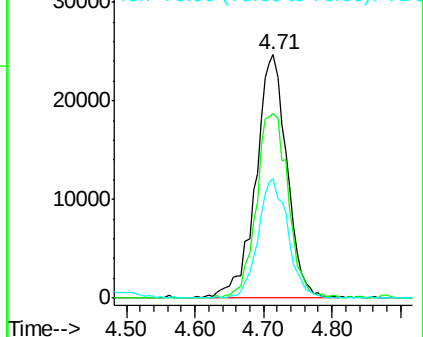
76 46.7 34.2 51.2

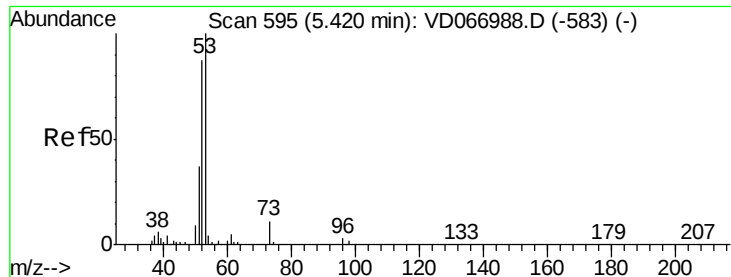


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 93.210 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

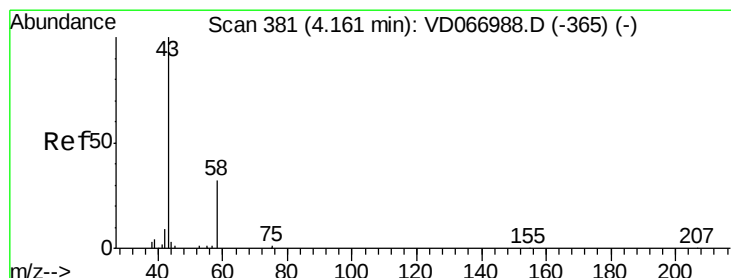
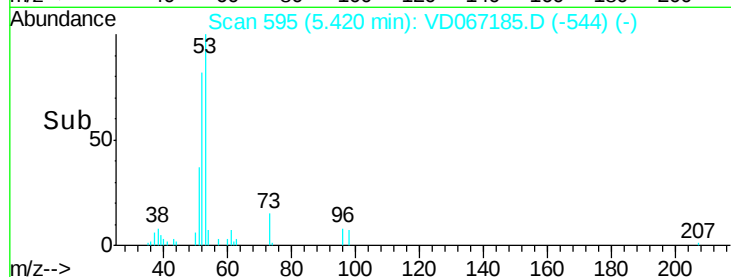
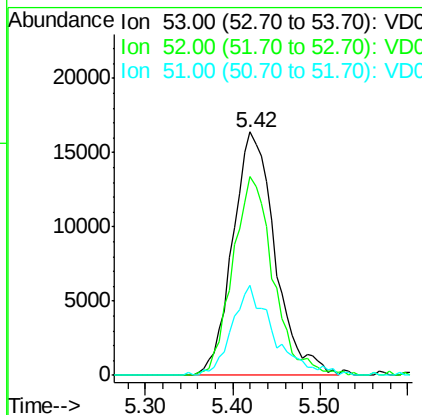
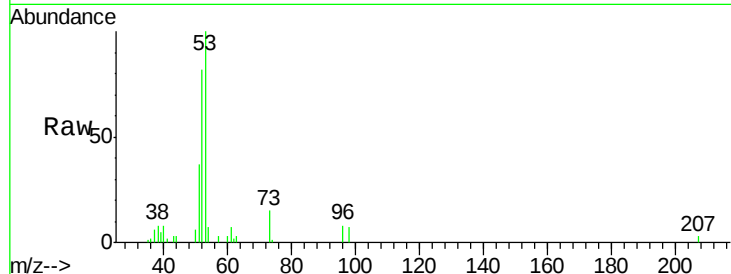
ClientSampleId :

VD1008SBS01

Tot Ion:	53	Resp:	54023
Ion	Ratio	Lower	Upper
53	100		
52	78.4	67.3	100.9
51	35.1	30.2	45.2

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#16

Acetone

Concen: 95.690 ug/l

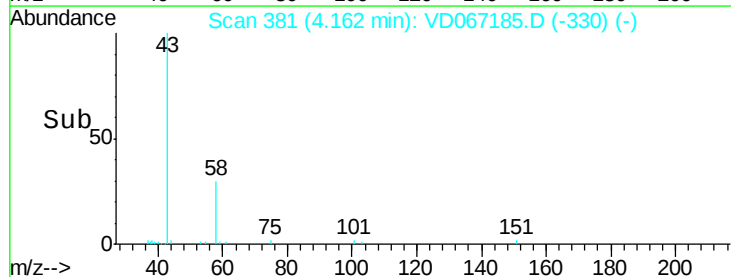
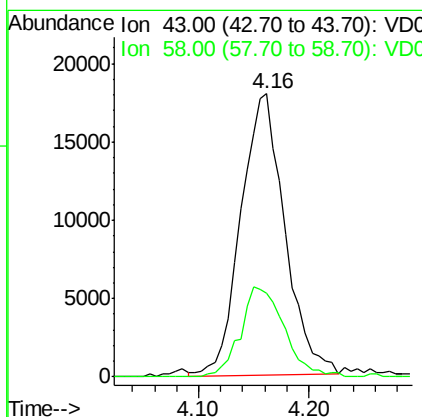
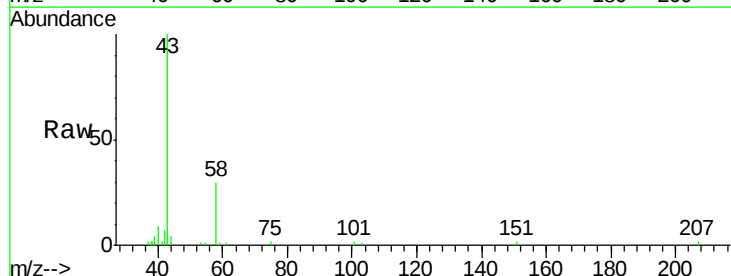
RT: 4.16 min Scan# 381

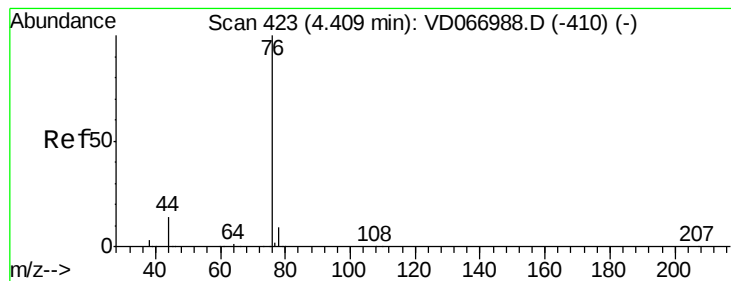
Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Tgt Ion:	43	Resp:	50361
Ion	Ratio	Lower	Upper
43	100		
58	29.9	25.9	38.9





#17

Carbon Disulfide

Concen: 18.926 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 76 Resp: 195989

Ion Ratio Lower Upper

76 100

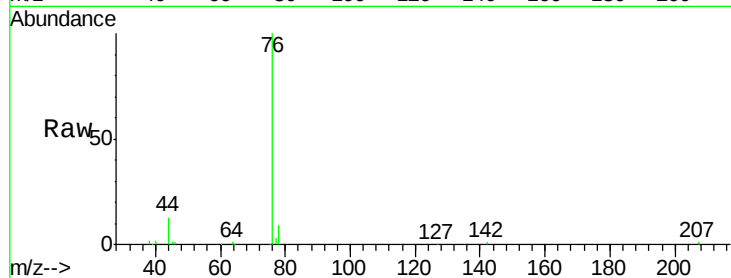
78 9.0 7.5 11.3

Manual Integrations

APPROVED

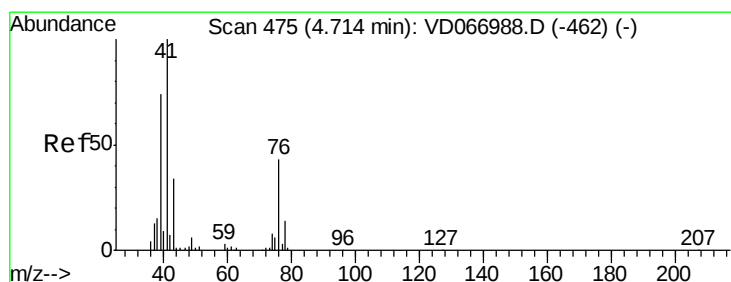
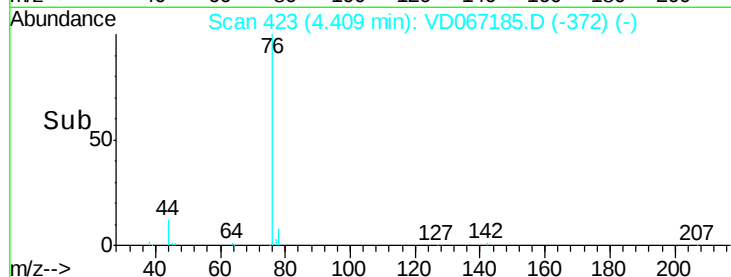
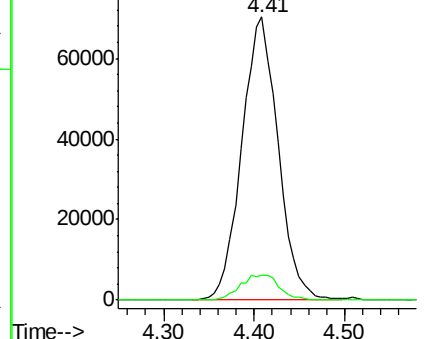
MMDadoda

10/9/2020 4:22:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.553 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067185.D

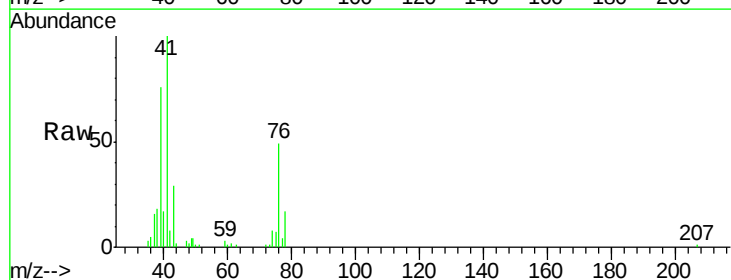
Acq: 08 Oct 2020 10:57

Tgt Ion: 43 Resp: 23218

Ion Ratio Lower Upper

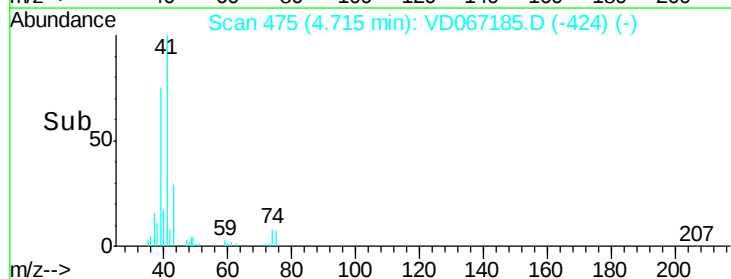
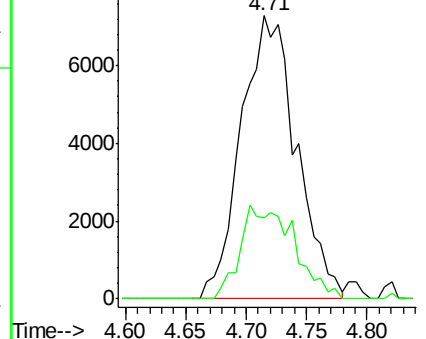
43 100

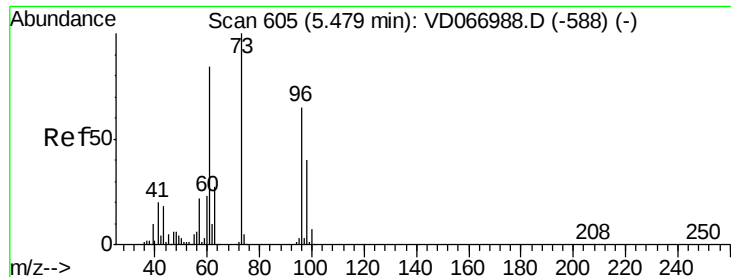
74 31.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





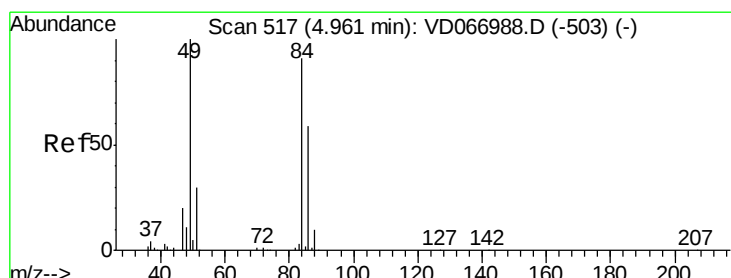
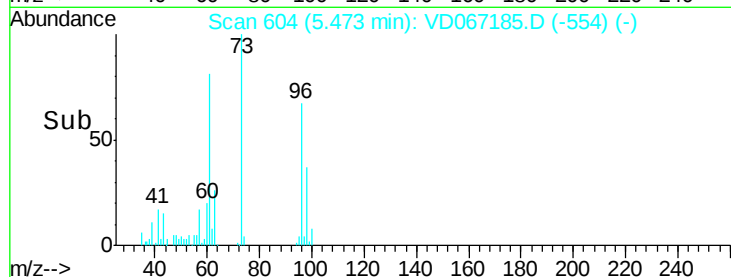
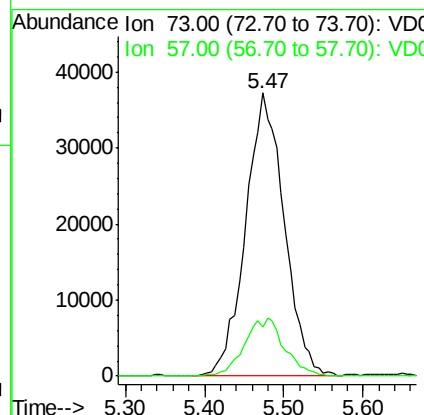
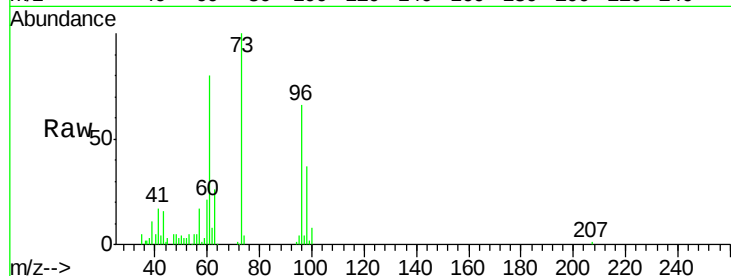
#19
Methyl tert-butyl Ether
Concen: 20.422 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion: 73 Resp: 125793
Ion Ratio Lower Upper
73 100
57 17.5 17.4 26.0

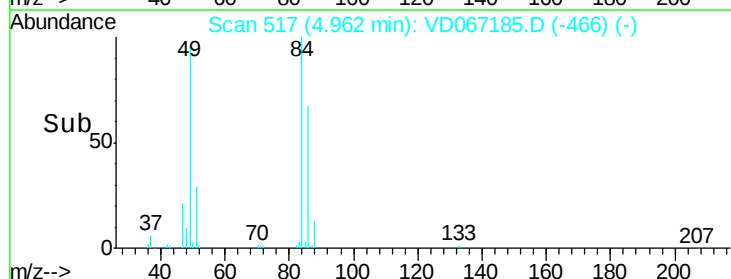
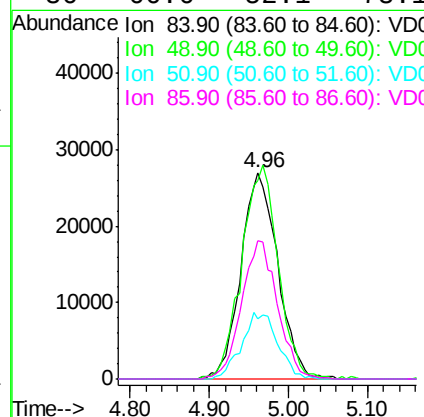
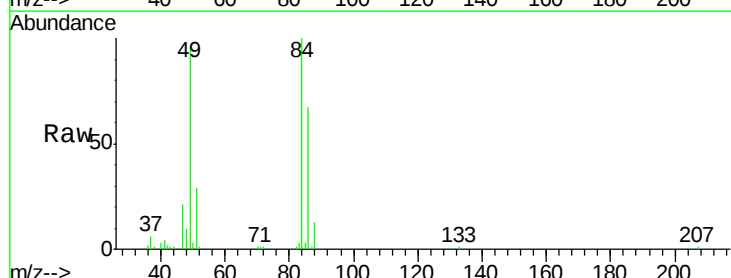
Manual Integrations
APPROVED

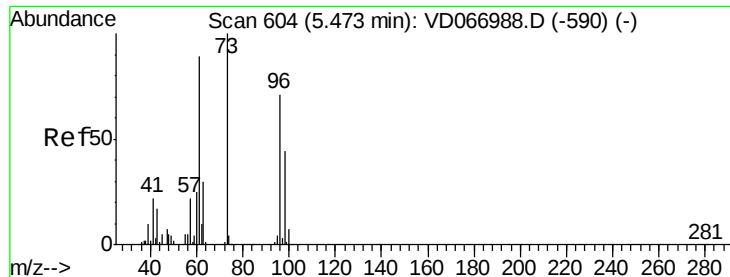
MMDadoda
10/9/2020 4:22:28 PM



#20
Methylene Chloride
Concen: 18.764 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion: 84 Resp: 87053
Ion Ratio Lower Upper
84 100
49 95.9 88.2 132.2
51 29.3 26.6 39.8
86 66.6 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 20.312 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

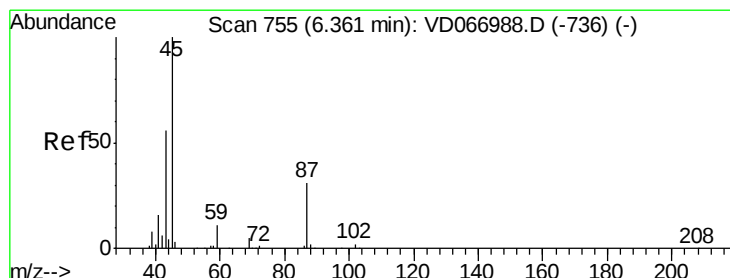
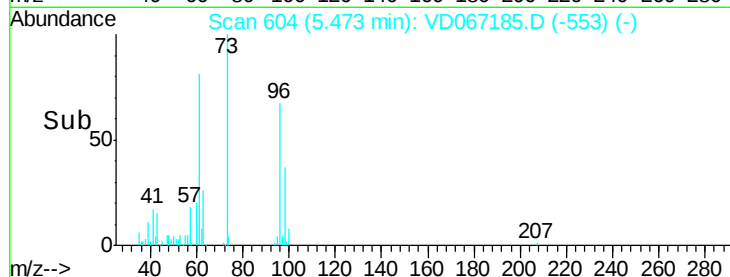
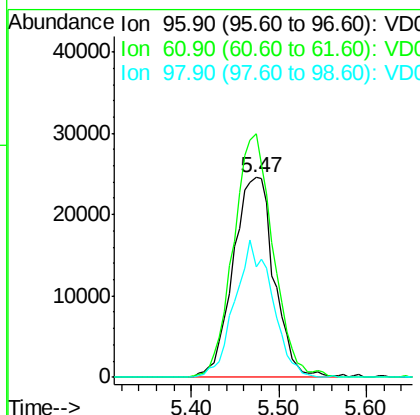
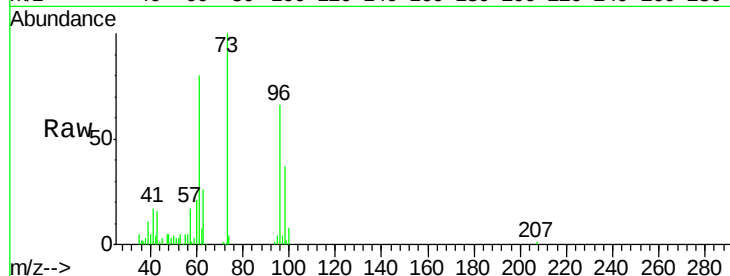
ClientSampleId :

VD1008SBS01

Tot Ion:	96	Resp:	77998
Ion	Ratio	Lower	Upper
96	100		
61	121.8	99.6	149.4
98	55.5	49.4	74.2

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#22

Diisopropyl ether

Concen: 18.795 ug/l

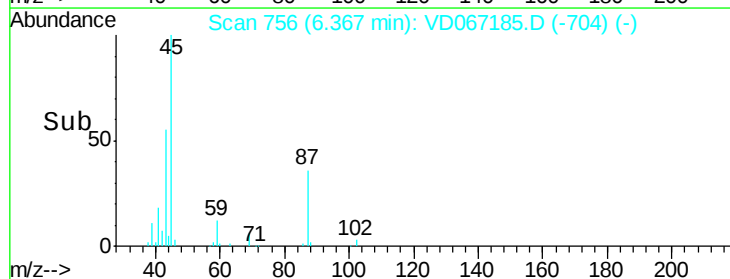
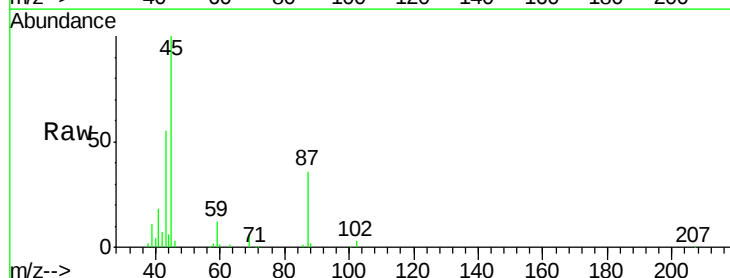
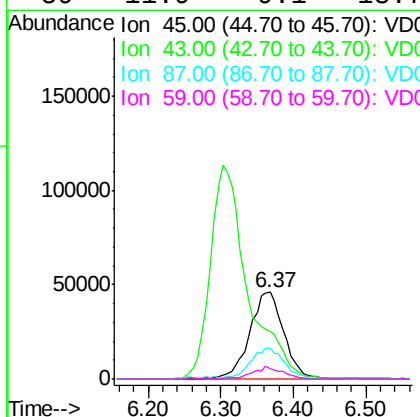
RT: 6.37 min Scan# 756

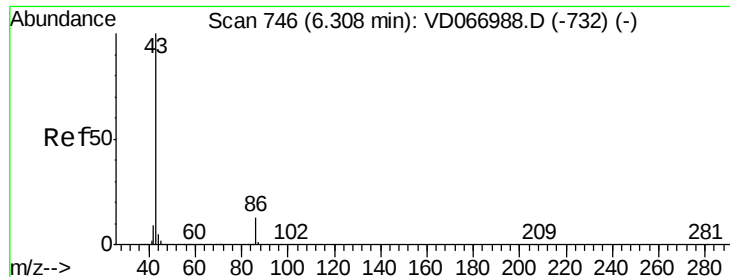
Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Tgt Ion:	45	Resp:	150406
Ion	Ratio	Lower	Upper
45	100		
43	53.1	45.2	67.8
87	36.0	25.6	38.4
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 89.228 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 43 Resp: 404629

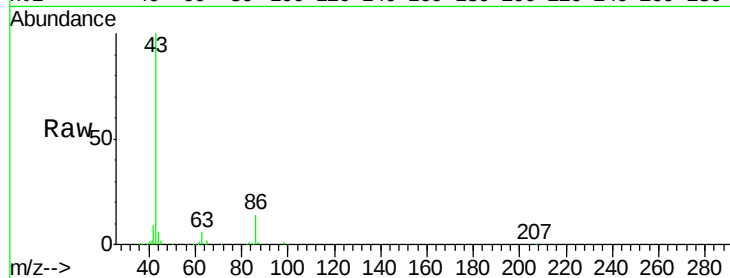
Ion Ratio Lower Upper

43 100

86 13.7 10.2 15.2

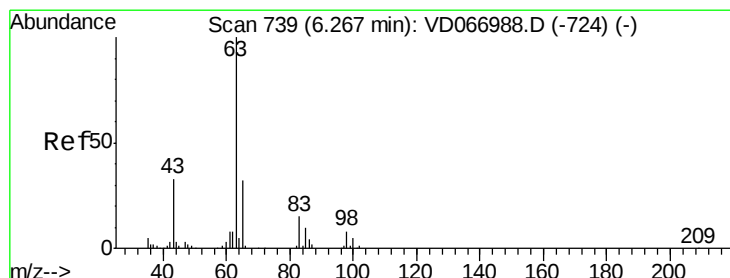
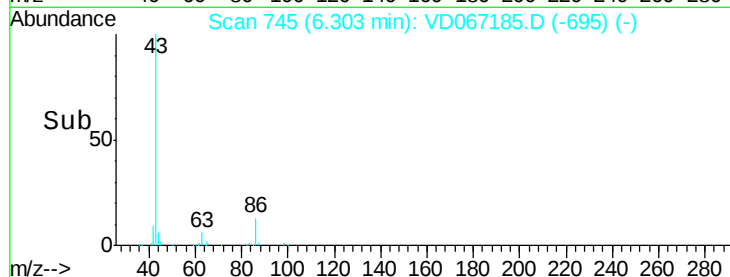
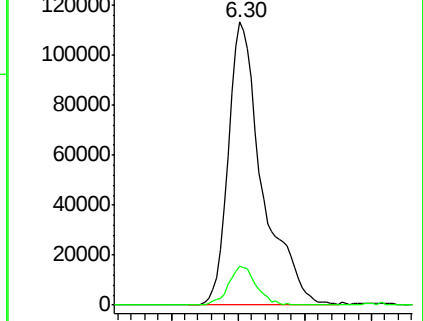
Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.481 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

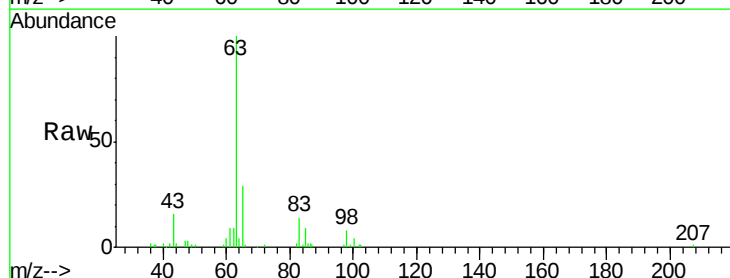
Tgt Ion: 63 Resp: 120313

Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

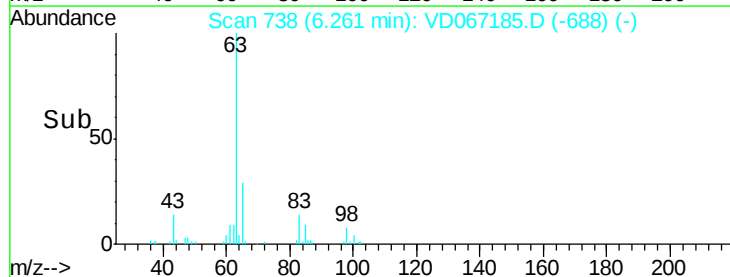
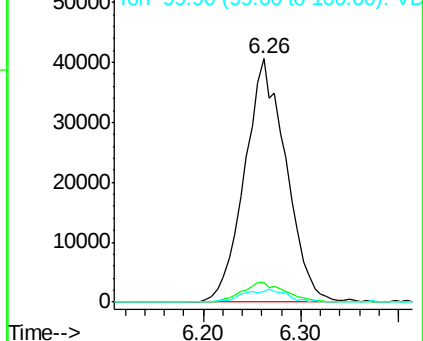
100 4.4 2.6 7.8

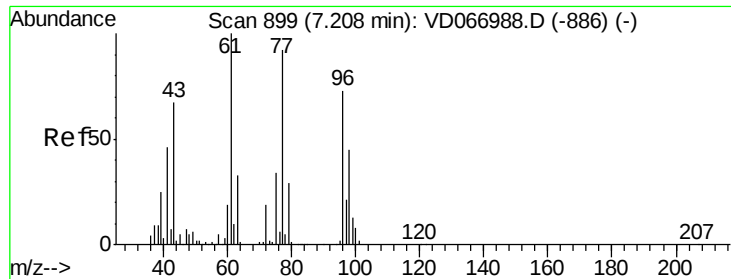


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





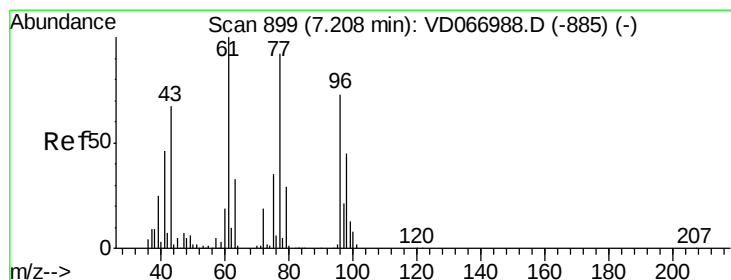
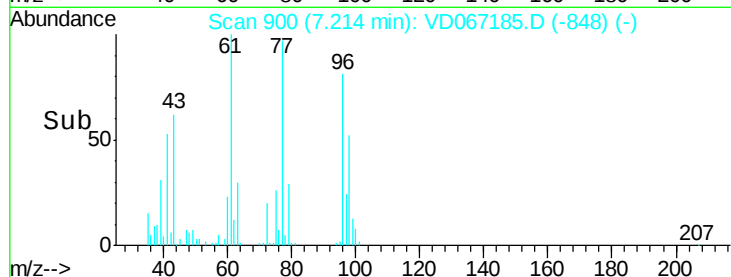
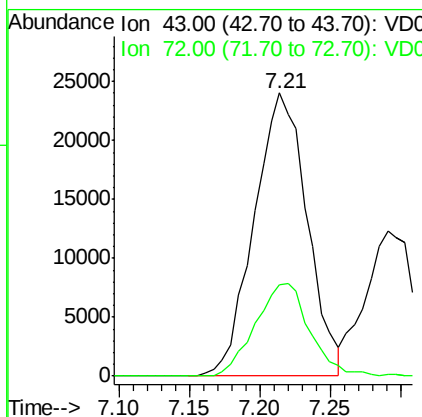
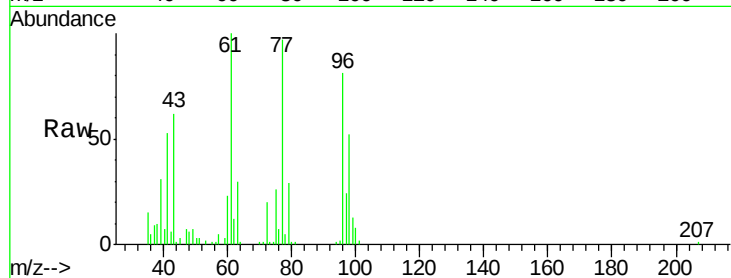
#25
2-Butanone
Concen: 84.519 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion: 43 Resp: 63065
Ion Ratio Lower Upper
43 100
72 32.4 22.8 34.2

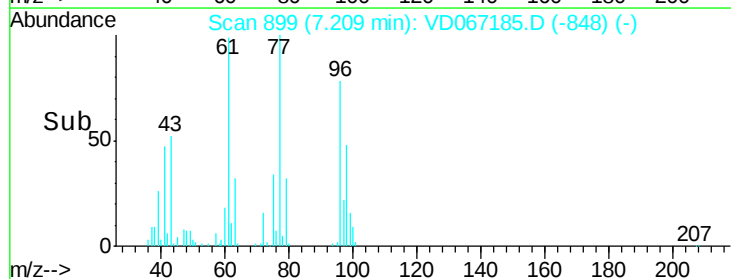
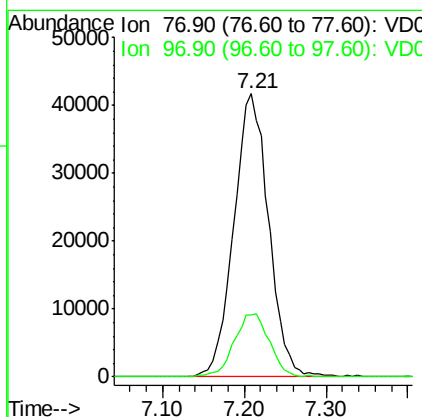
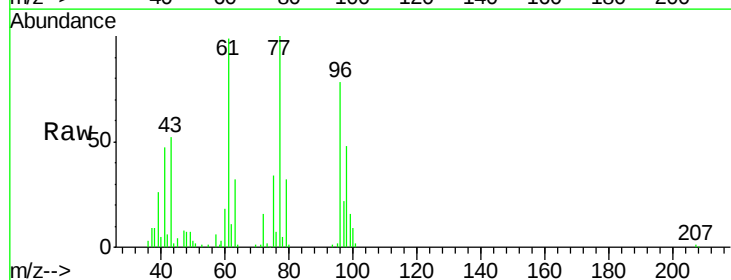
Manual Integrations
APPROVED

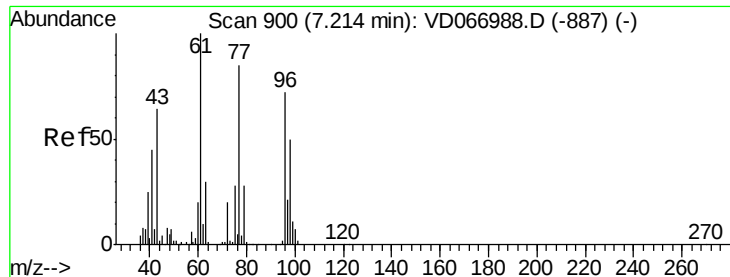
MMDadoda
10/9/2020 4:22:28 PM



#26
2,2-Dichloropropane
Concen: 21.015 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion: 77 Resp: 123610
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.2





#27

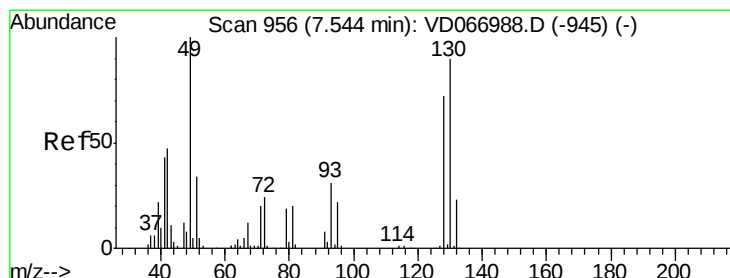
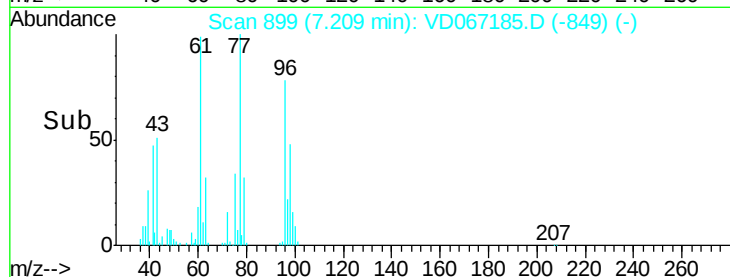
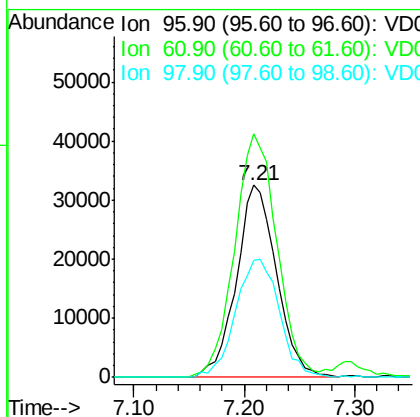
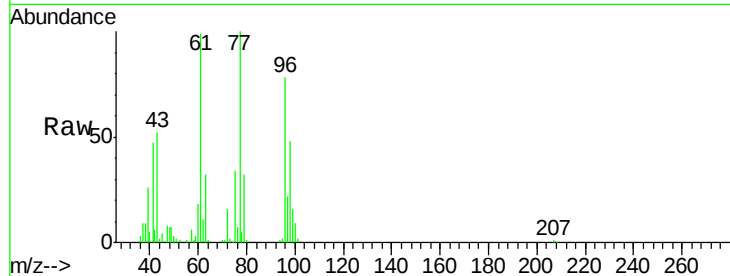
cis-1,2-Dichloroethene
Concen: 20.266 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	269.2
98	66.7	0.0	129.4

Manual Integrations
APPROVED

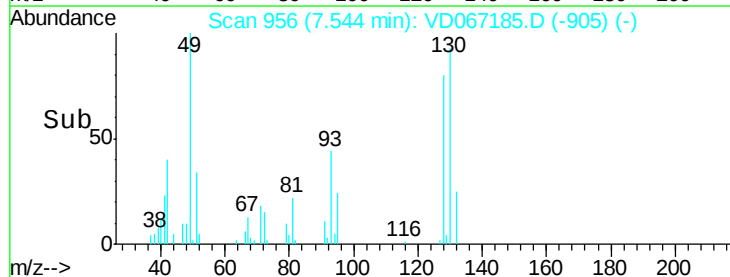
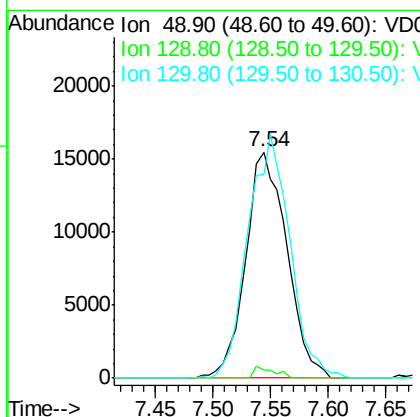
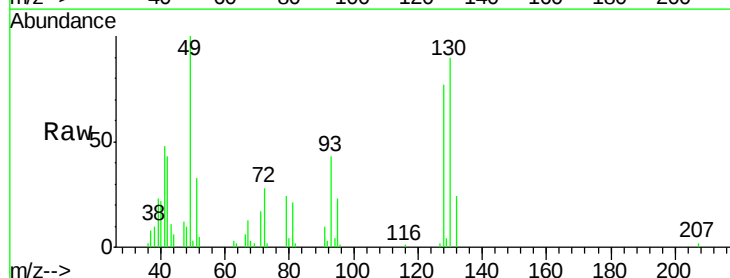
MMDadoda
10/9/2020 4:22:28 PM

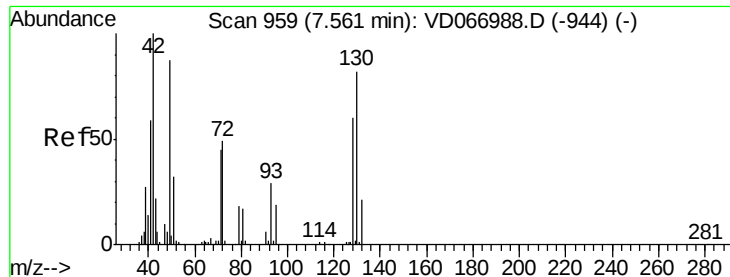


#28

Bromochloromethane
Concen: 16.169 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	109.7	74.1	111.1





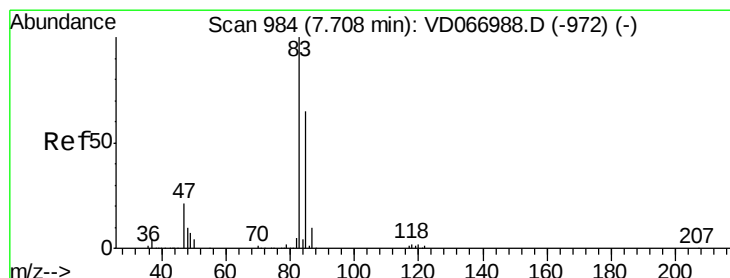
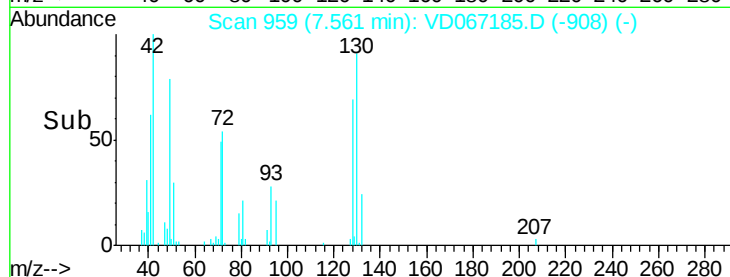
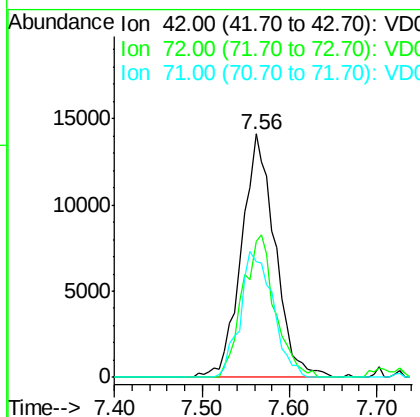
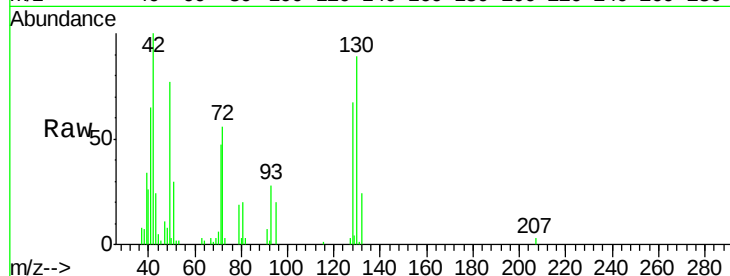
#29
Tetrahydrofuran
Concen: 85.542 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.4	39.1	58.7
71	50.6	34.2	51.4

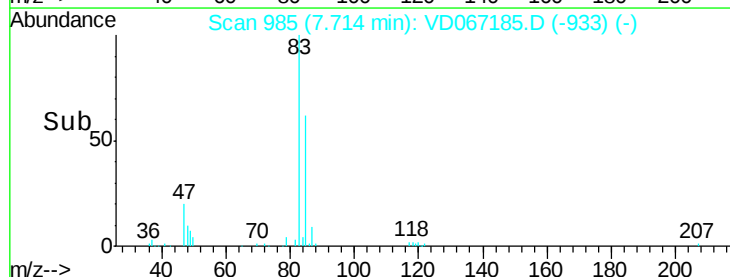
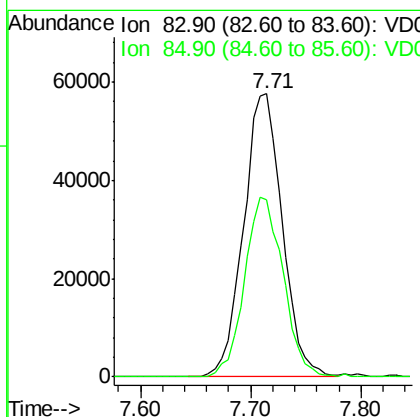
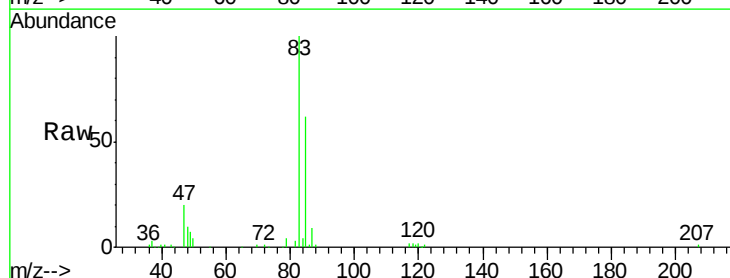
Manual Integrations
APPROVED

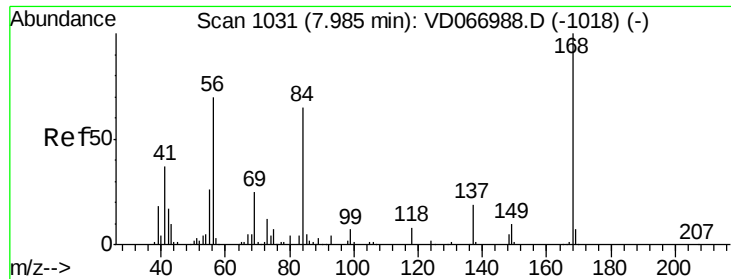
MMDadoda
10/9/2020 4:22:28 PM



#30
Chloroform
Concen: 21.173 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.3	78.5





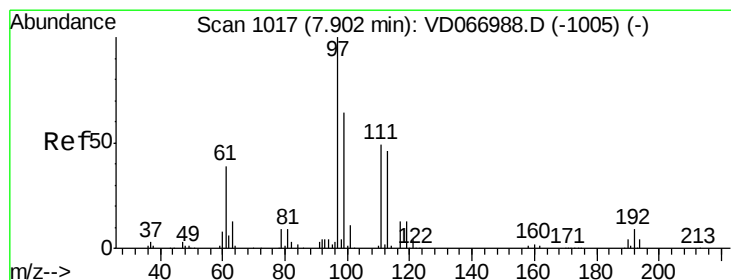
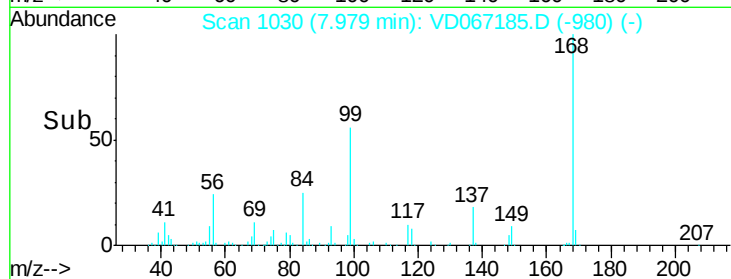
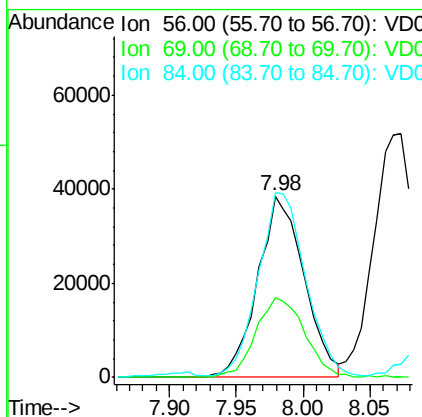
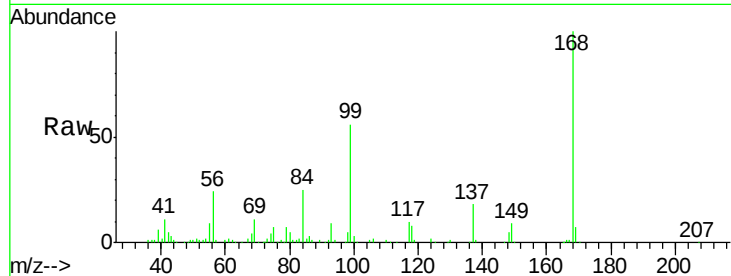
#31
Cyclohexane
Concen: 17.966 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.9	29.0	43.6#
84	99.0	74.2	111.2

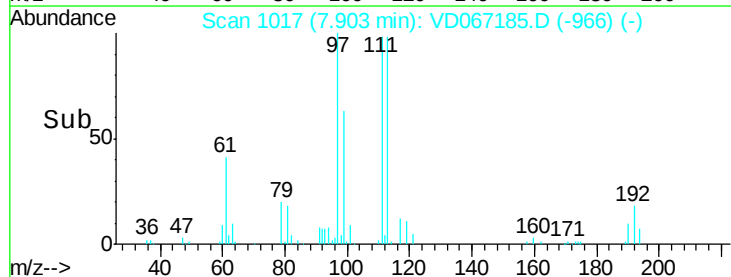
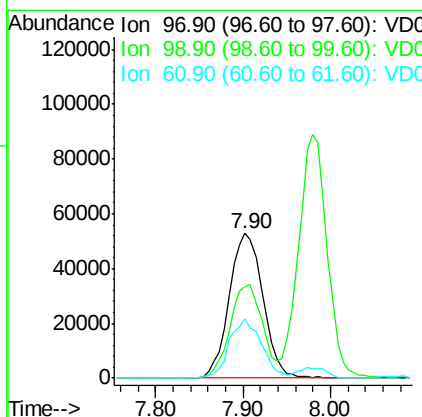
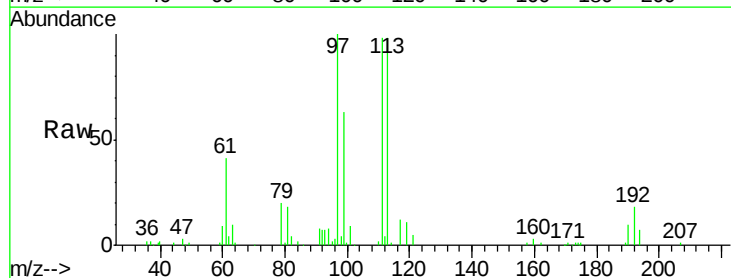
Manual Integrations
APPROVED

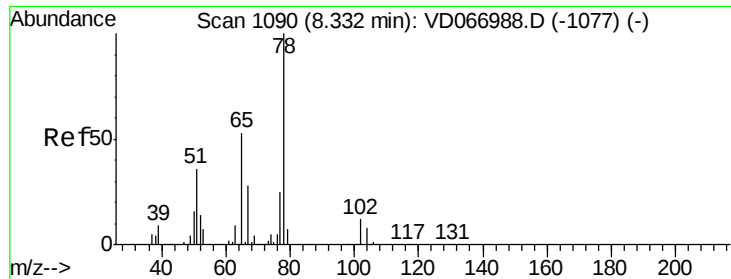
MMDadoda
10/9/2020 4:22:28 PM



#32
1,1,1-Trichloroethane
Concen: 22.303 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.6	78.8
61	38.8	32.8	49.2





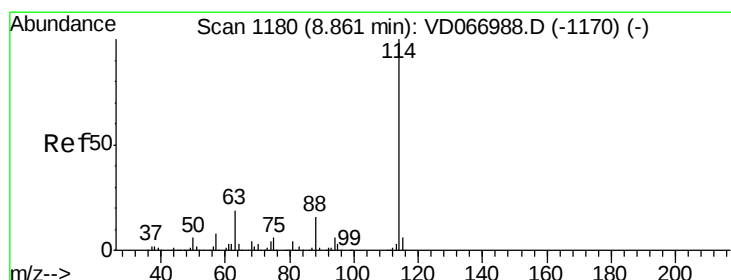
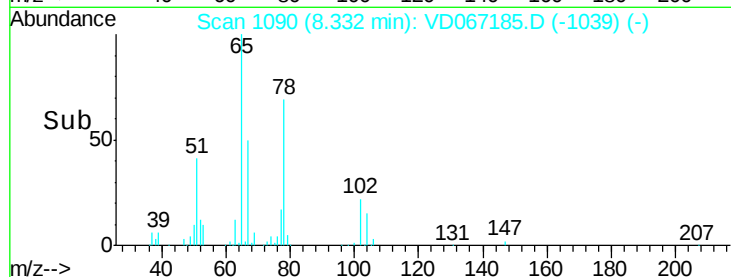
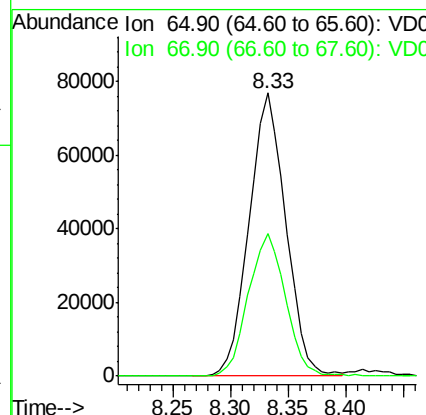
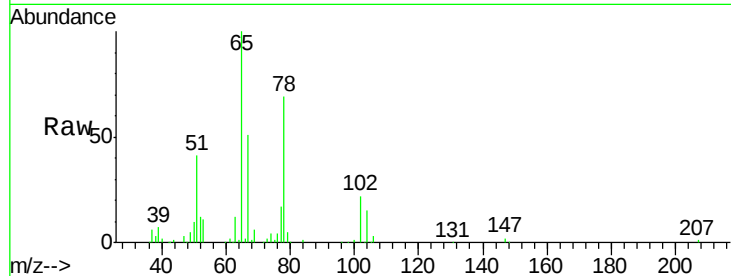
#33
 1,2-Dichloroethane-d4
 Concen: 49.311 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170010		
67	51.0	0.0	106.8	

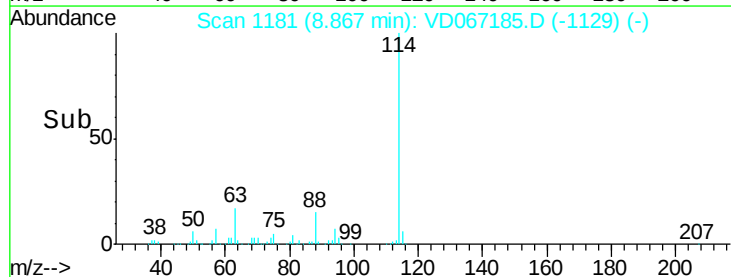
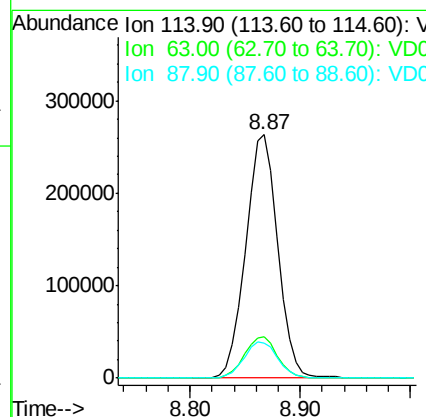
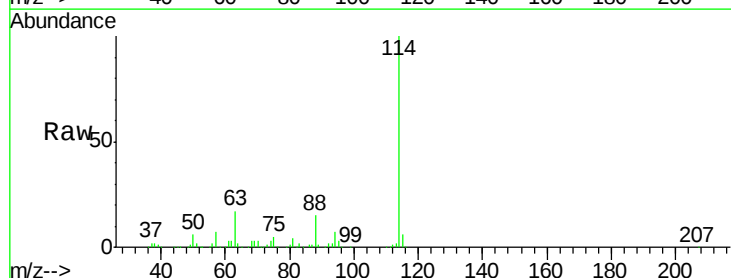
Manual Integrations
 APPROVED

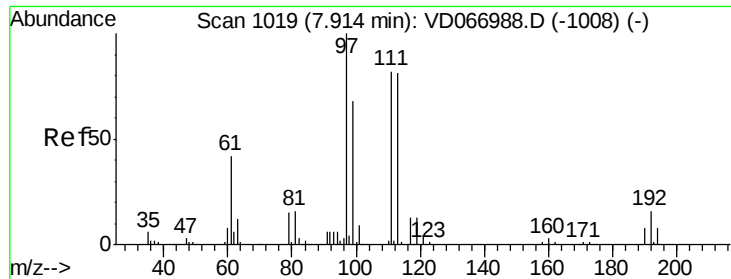
MMDadoda
 10/9/2020 4:22:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	537828		
63	17.0	0.0	38.4	
88	14.6	0.0	31.2	





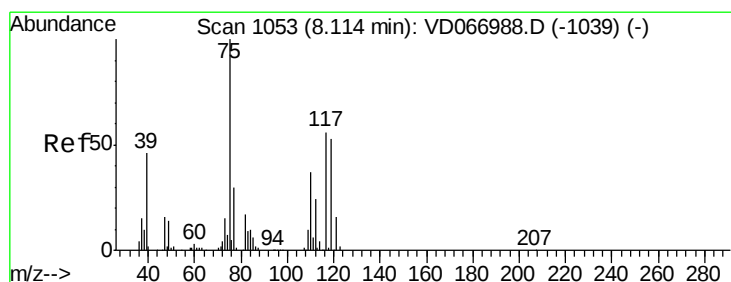
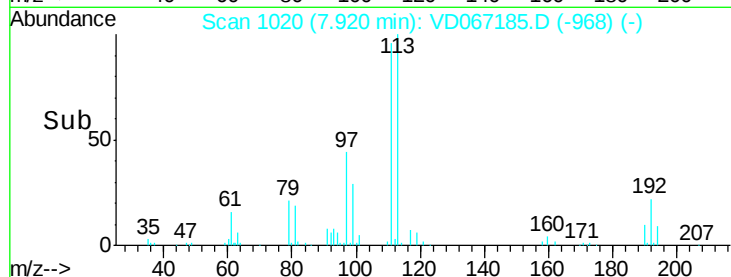
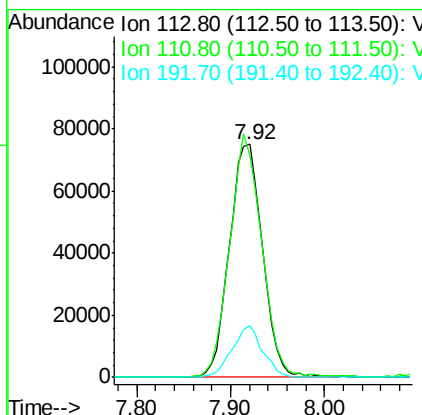
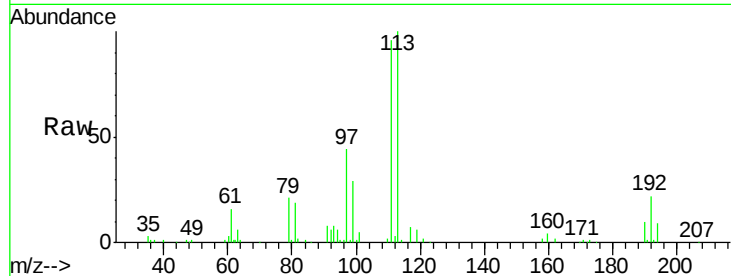
#35
Dibromofluoromethane
Concen: 52.329 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184252		
111	101.3	83.0	124.4	
192	20.4	15.5	23.3	

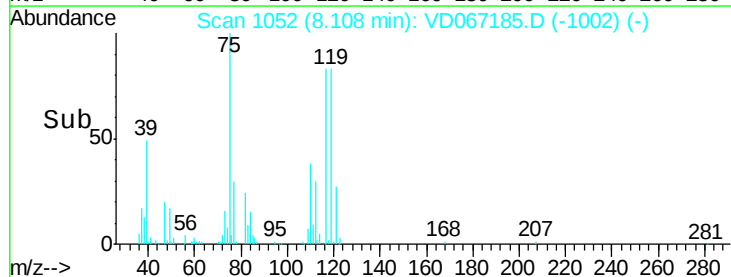
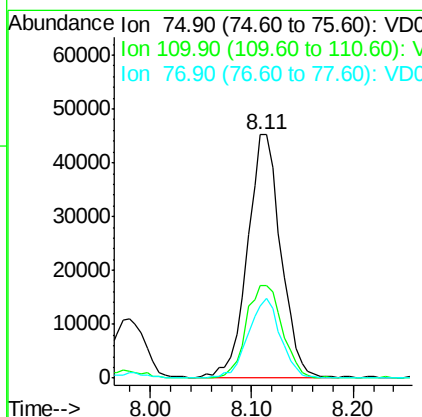
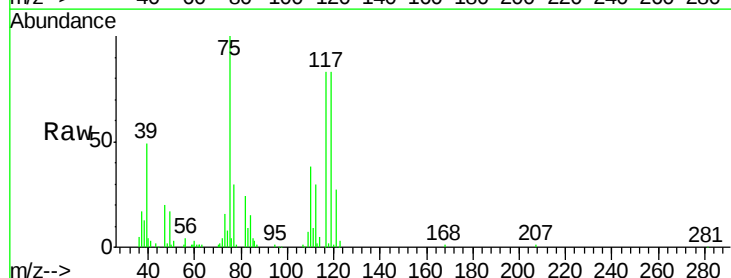
Manual Integrations
APPROVED

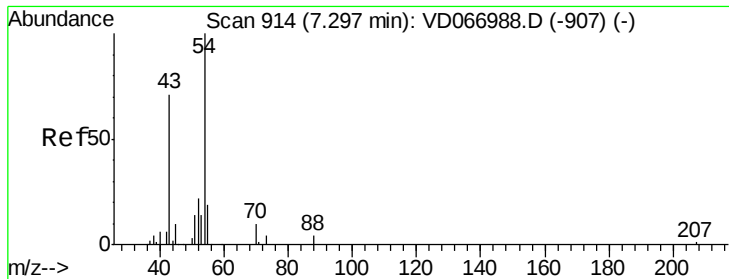
MMDadoda
10/9/2020 4:22:28 PM



#36
1,1-Dichloropropene
Concen: 20.630 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103421		
110	41.0	18.4	55.0	
77	31.7	24.8	37.2	





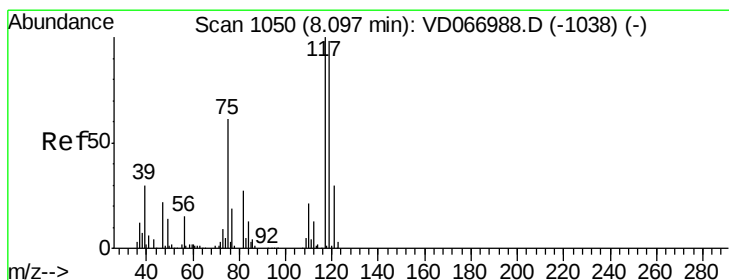
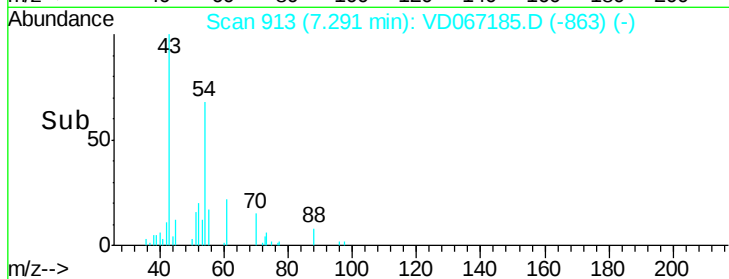
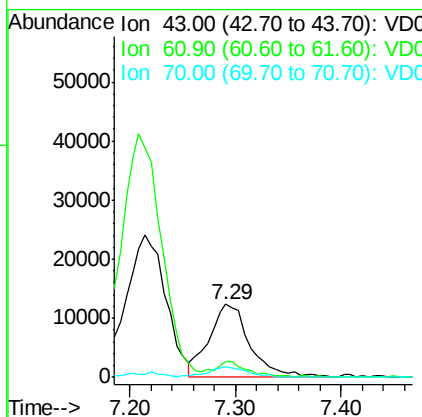
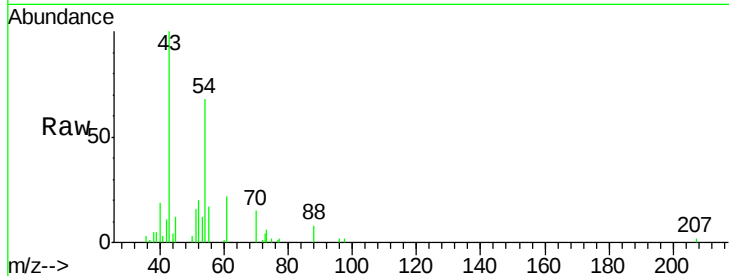
#37
Ethyl Acetate
Concen: 19.169 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	12.5	18.7
70	14.0	9.4	14.0

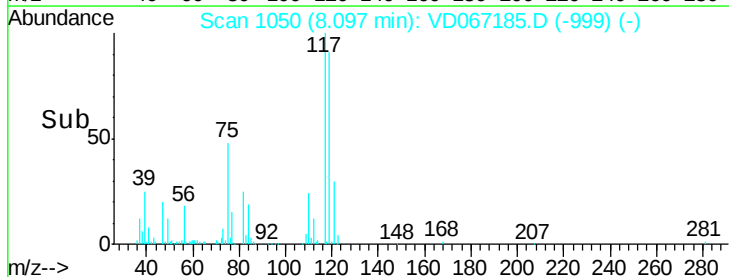
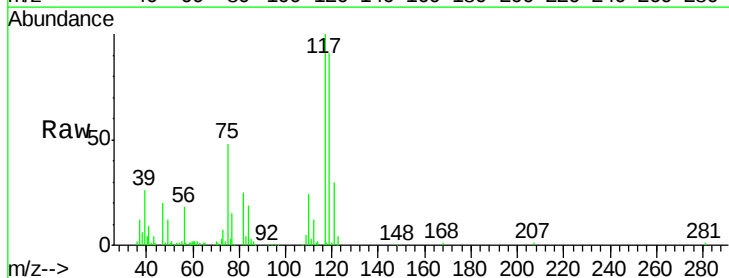
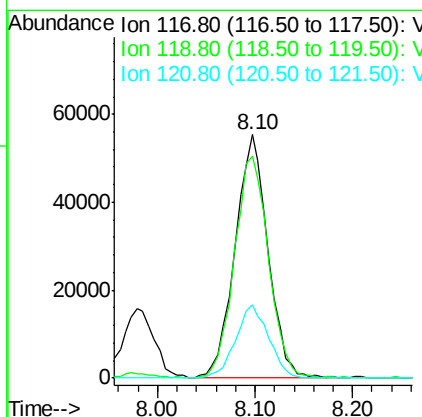
Manual Integrations
APPROVED

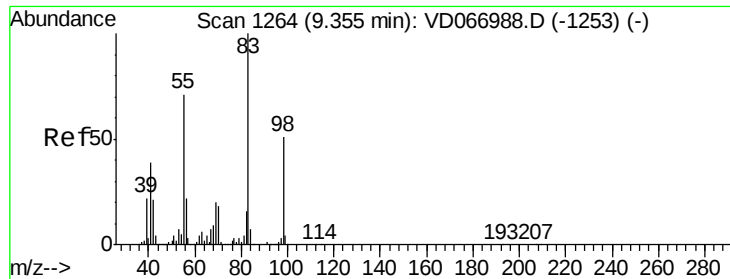
MMDadoda
10/9/2020 4:22:28 PM



#38
Carbon Tetrachloride
Concen: 23.917 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	78.7	118.1
121	30.0	24.2	36.2





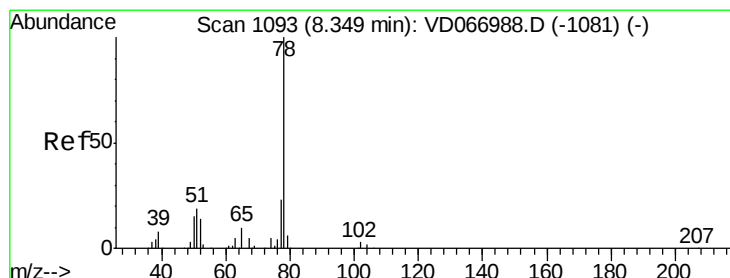
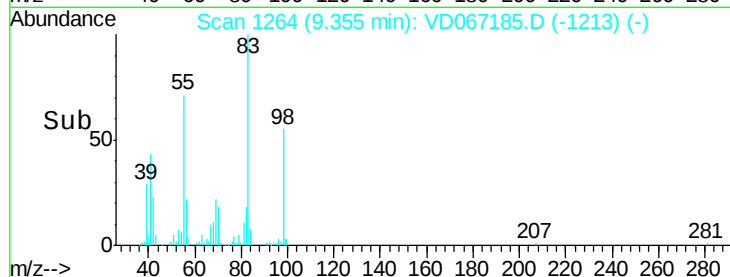
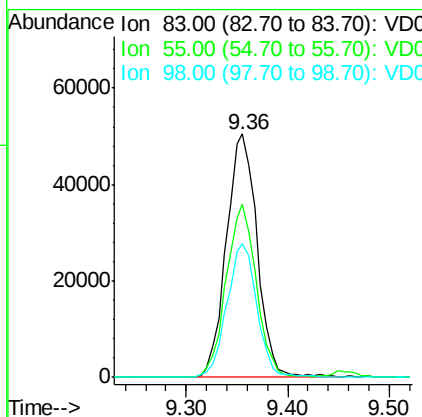
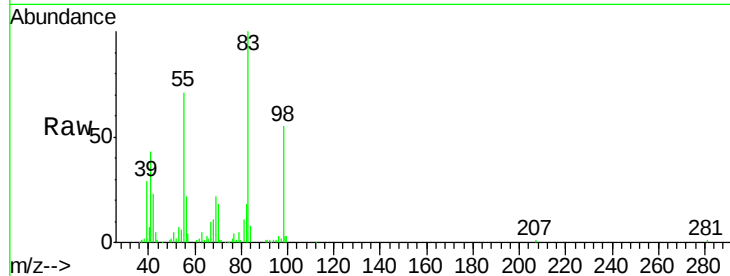
#39
Methvlcvclohexane
Concen: 20.080 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.1	85.7
98	54.9	40.9	61.3

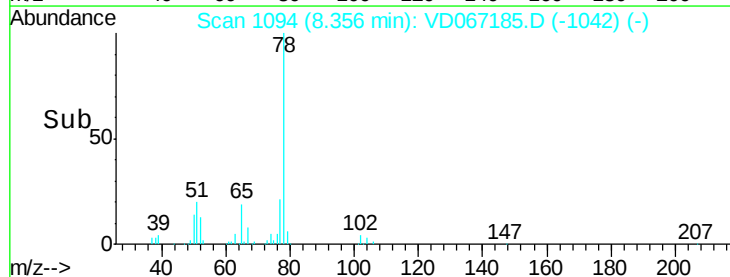
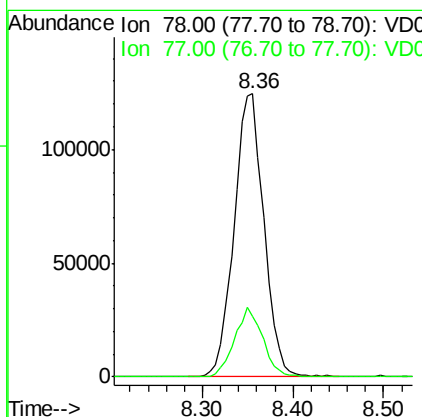
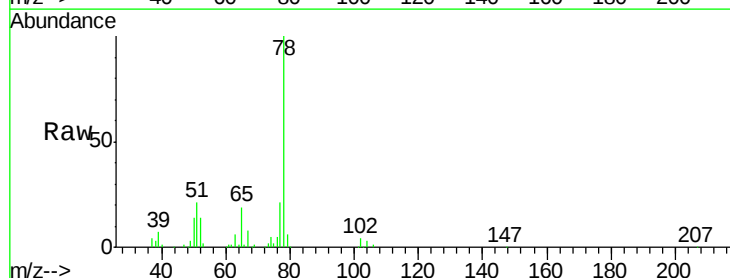
Manual Integrations
APPROVED

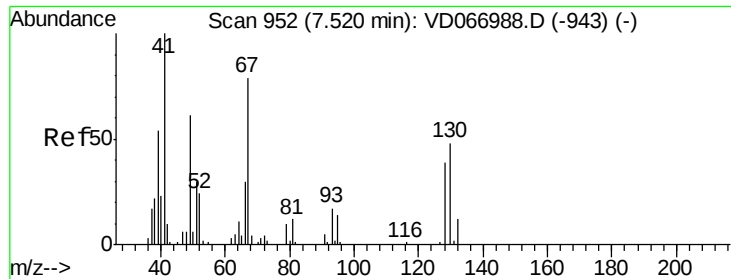
MMDadoda
10/9/2020 4:22:28 PM



#40
Benzene
Concen: 20.405 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.4	27.6





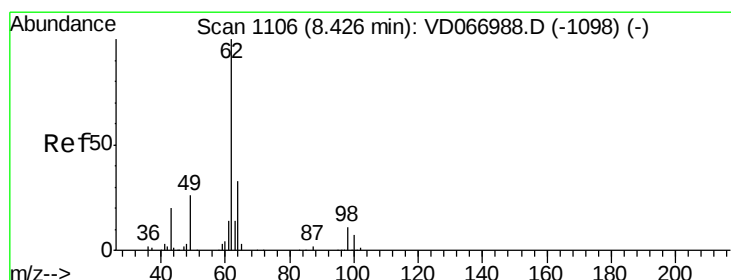
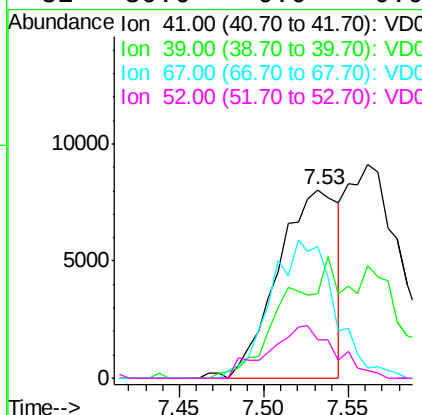
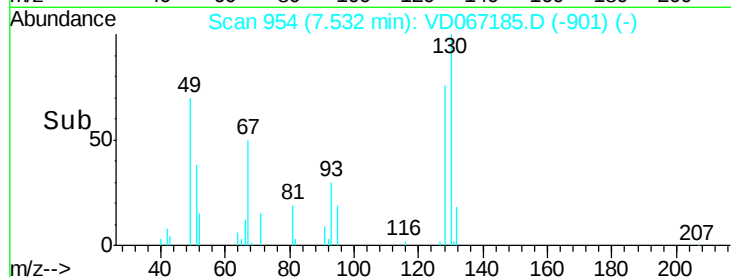
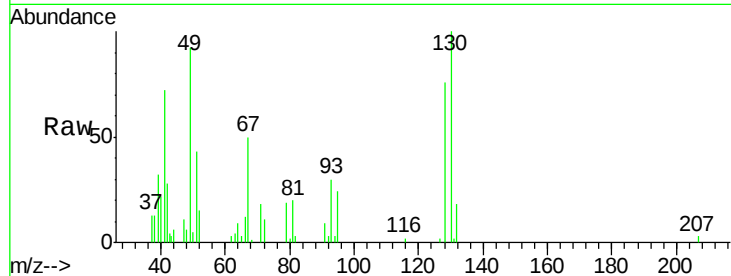
#41
Methacrylonitrile
Concen: 21.226 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	19915		
39	68.8	0.0	0.0	#
67	78.3	0.0	0.0	#
52	30.6	0.0	0.0	#

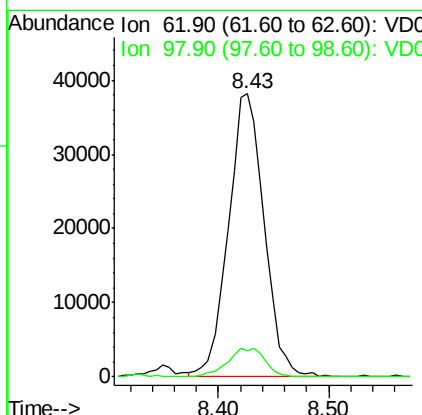
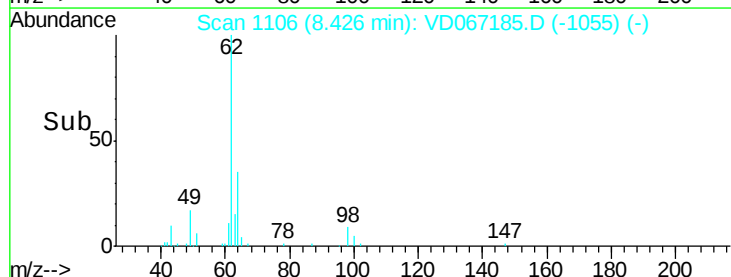
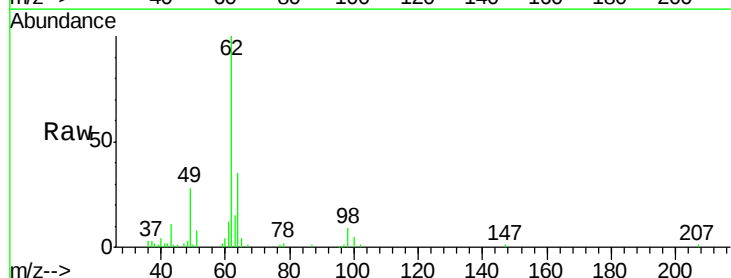
Manual Integrations
APPROVED

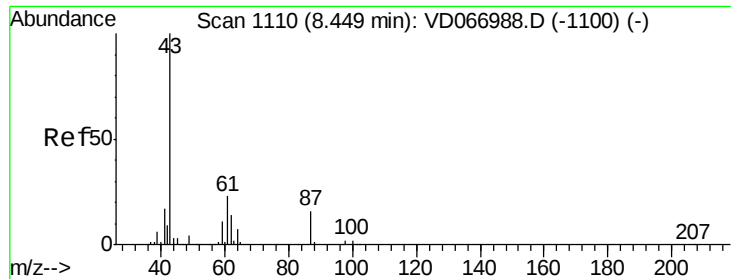
MMDadoda
10/9/2020 4:22:28 PM



#42
1,2-Dichloroethane
Concen: 22.212 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	86425		
98	10.6	0.0	22.6	





#43

Isopropyl Acetate

Concen: 18.339 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

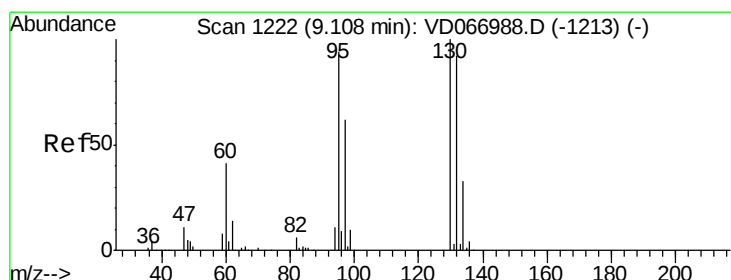
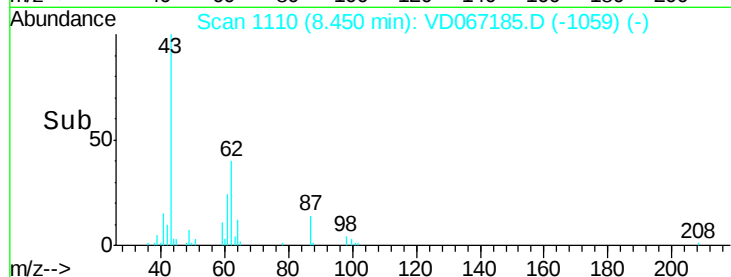
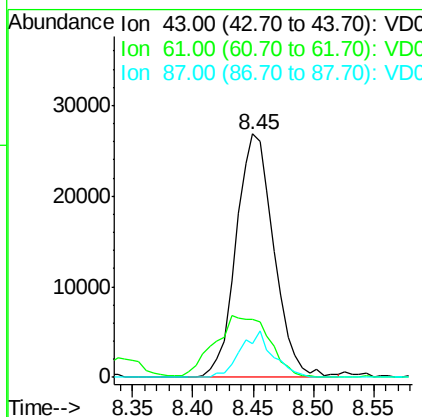
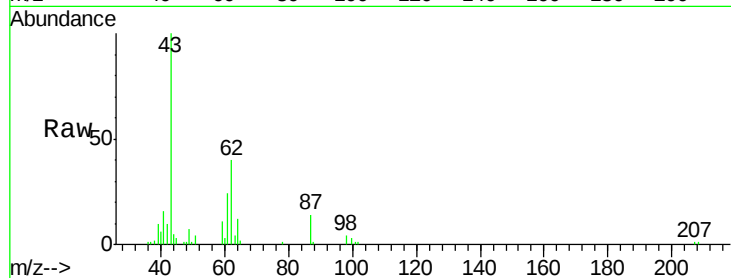
ClientSampleId :

VD1008SBS01

Tot Ion:	43	Resp:	58673
Ion Ratio	Lower	Upper	
43	100		
61	0.0	27.1	40.7#
87	16.3	12.3	18.5

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#44

Trichloroethene

Concen: 22.104 ug/l

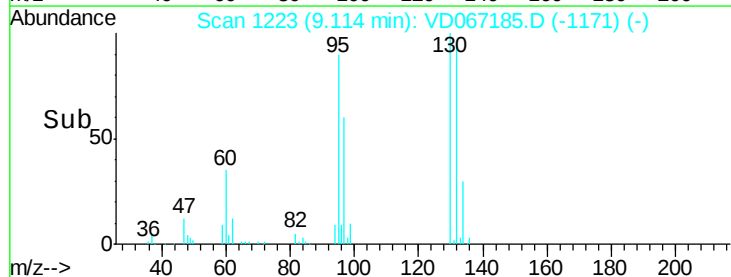
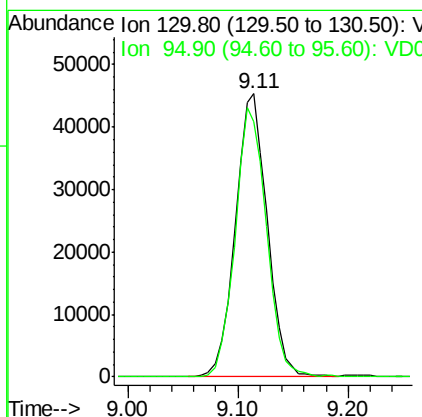
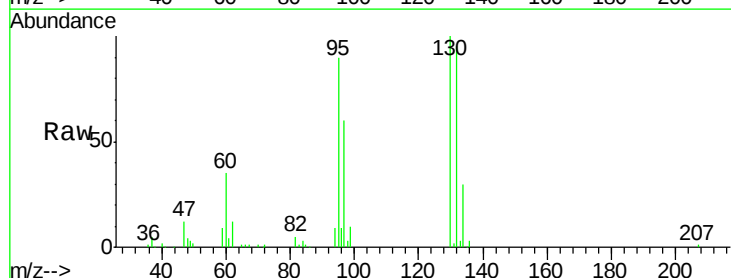
RT: 9.11 min Scan# 1223

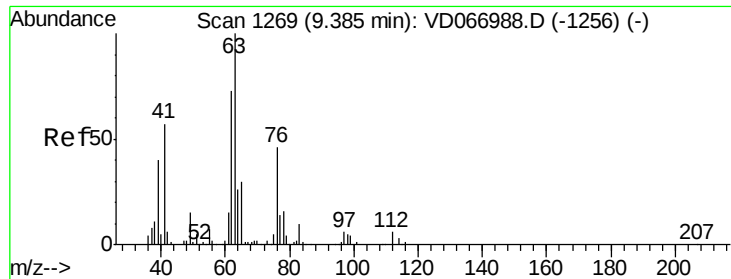
Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Tgt Ion:	130	Resp:	91906
Ion Ratio	Lower	Upper	
130	100		
95	90.1	0.0	187.8





#45

1,2-Dichloropropane

Concen: 20.035 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 63 Resp: 65548

Ion Ratio Lower Upper

63 100

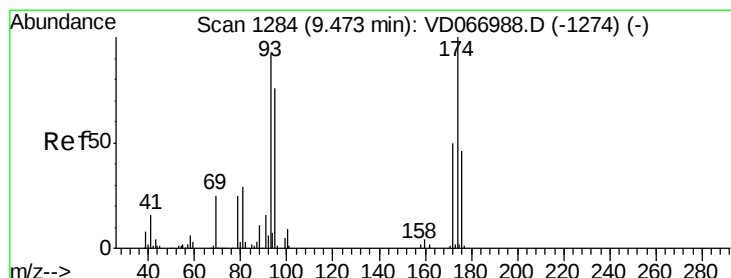
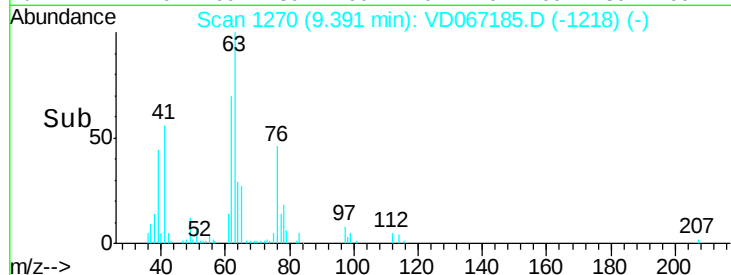
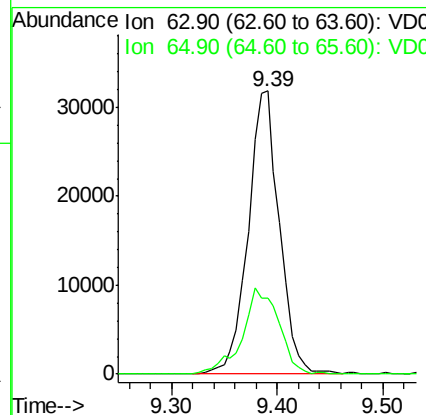
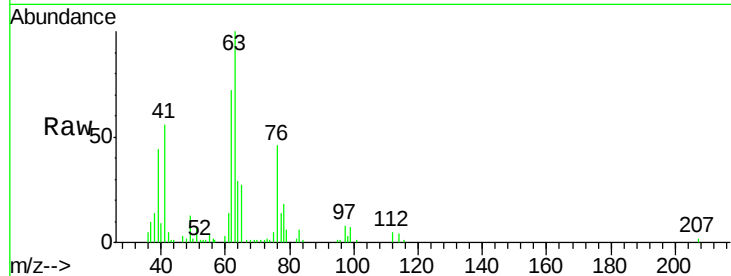
65 27.1 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/9/2020 4:22:28 PM



#46

Dibromomethane

Concen: 21.799 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

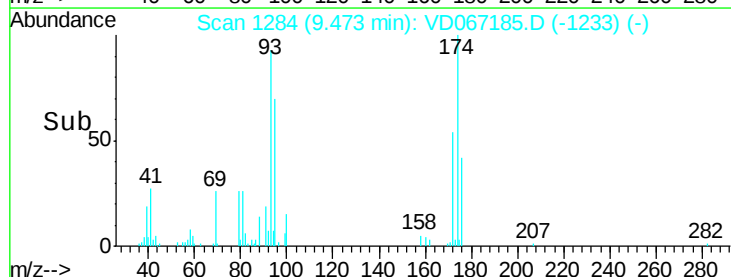
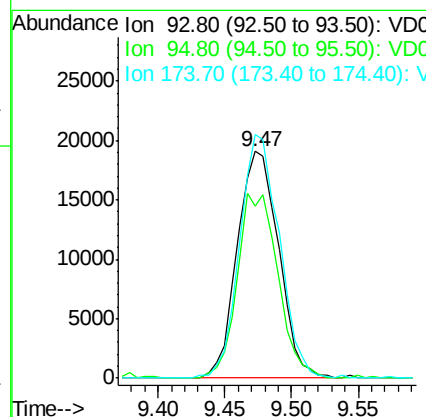
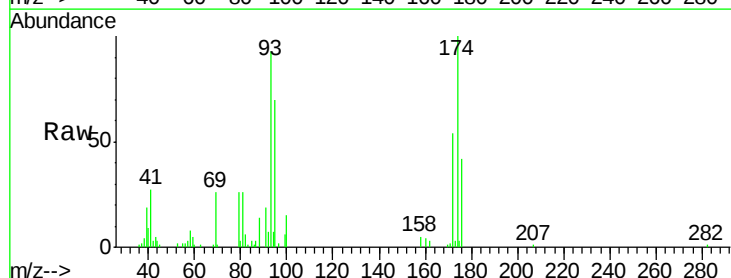
Tgt Ion: 93 Resp: 40990

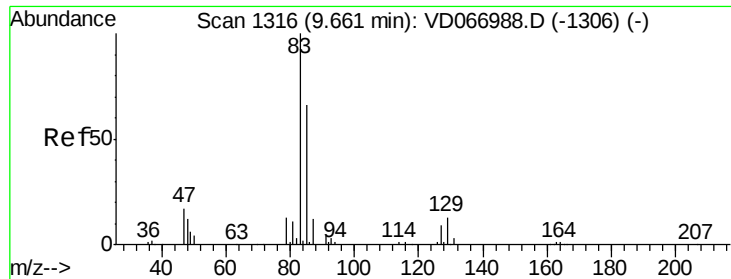
Ion Ratio Lower Upper

93 100

95 79.8 64.7 97.1

174 102.7 81.4 122.2





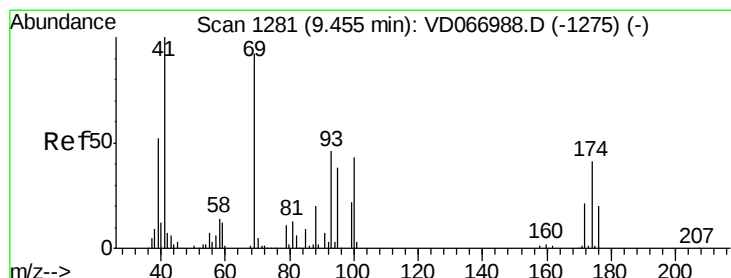
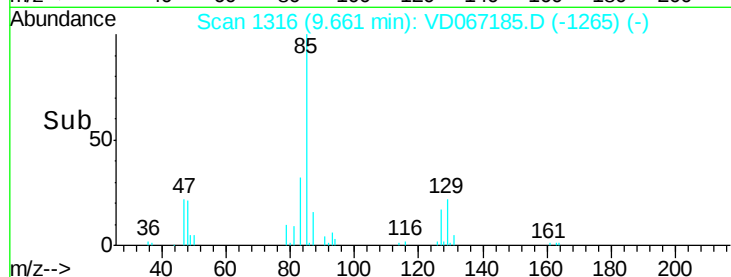
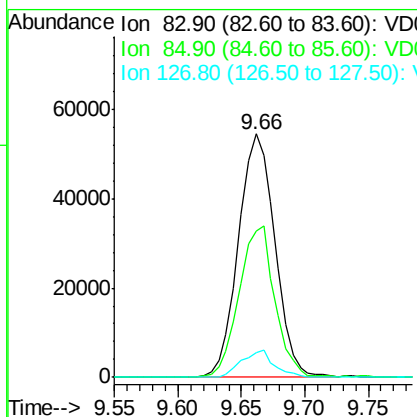
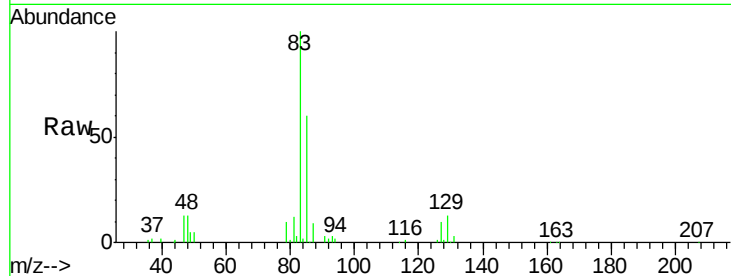
#47
Bromodichloromethane
Concen: 22.373 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	60.4	52.9	79.3	
127	10.3	7.3	10.9	

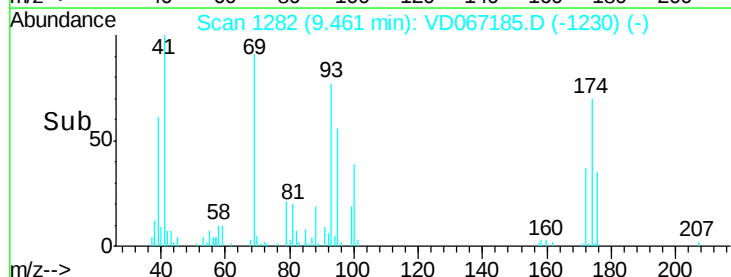
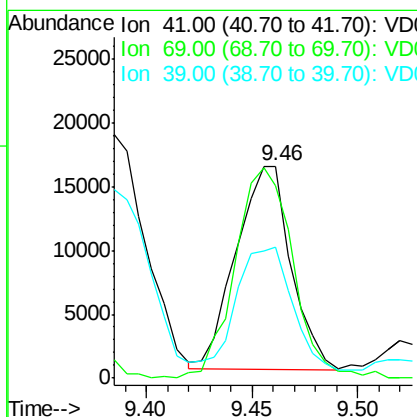
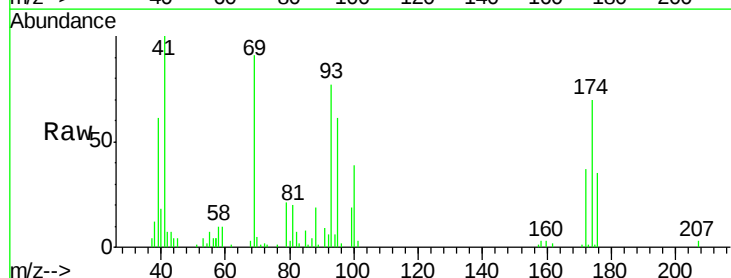
Manual Integrations
APPROVED

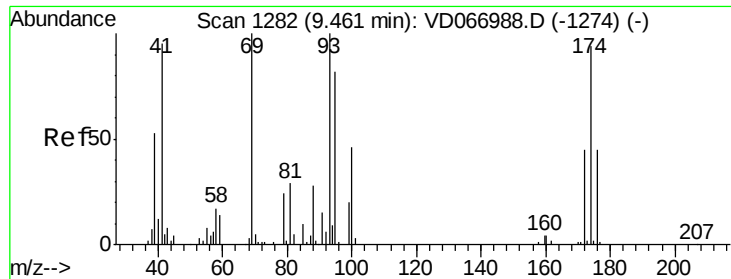
MMDadoda
10/9/2020 4:22:28 PM



#48
Methyl methacrylate
Concen: 17.578 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	109.0	68.5	102.7#	
39	71.1	40.2	60.2#	





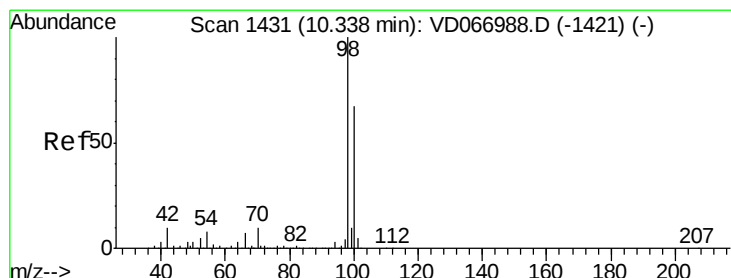
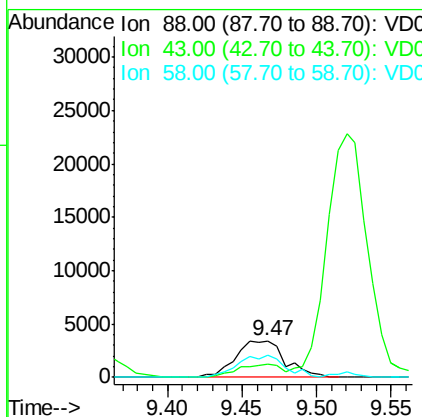
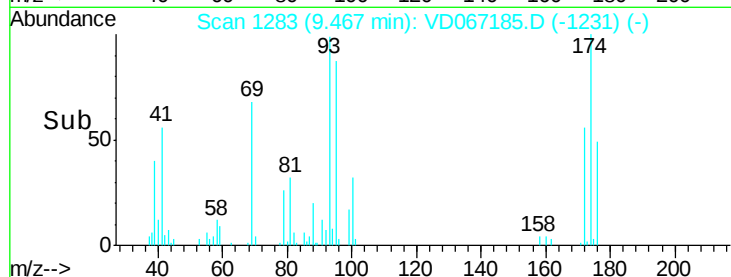
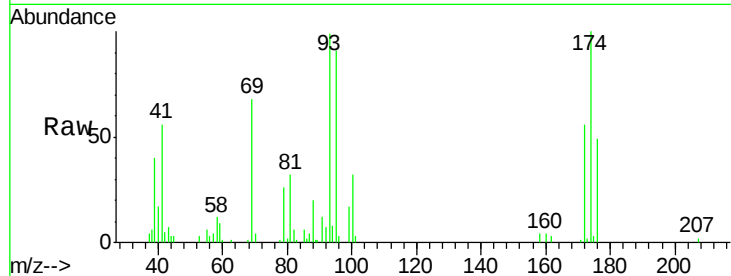
#49
1,4-Dioxane
Concen: 398.667 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.6	38.4
58	58.0	53.5	80.3

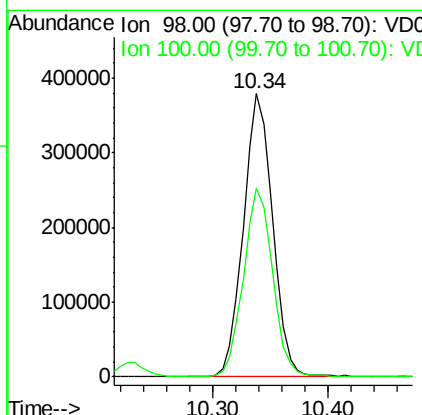
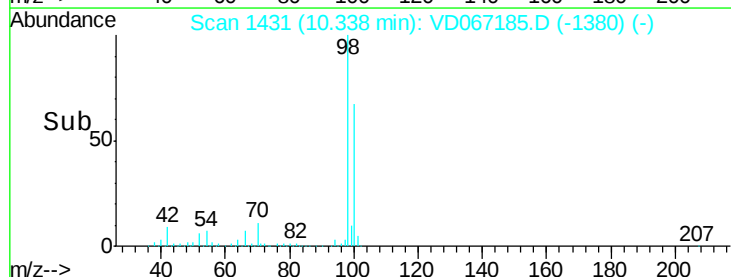
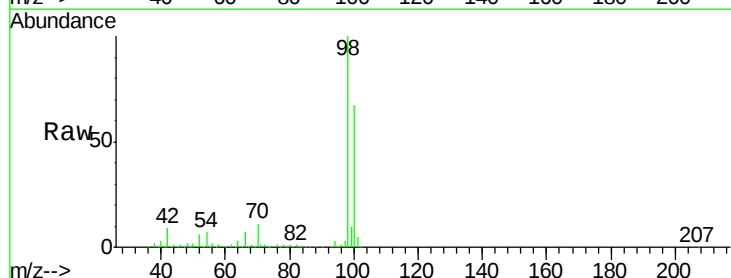
Manual Integrations
APPROVED

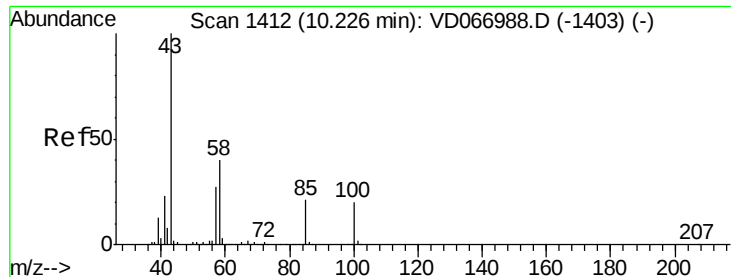
MMDadoda
10/9/2020 4:22:28 PM



#50
Toluene-d8
Concen: 52.085 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 96.398 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 43 Resp: 153620

Ion Ratio Lower Upper

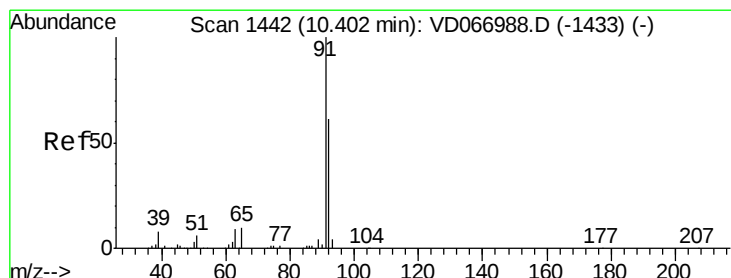
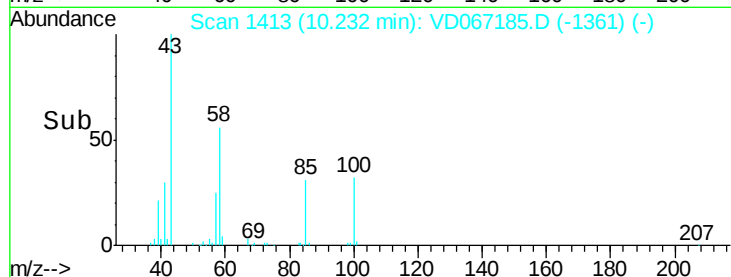
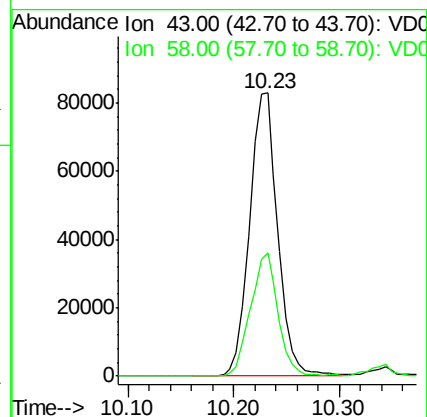
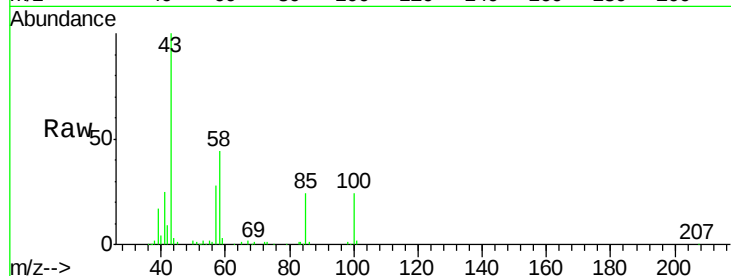
43 100

58 42.5 33.8 50.8

Manual Integrations
APPROVED

MMDadoda

10/9/2020 4:22:28 PM



#52

Toluene

Concen: 22.413 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067185.D

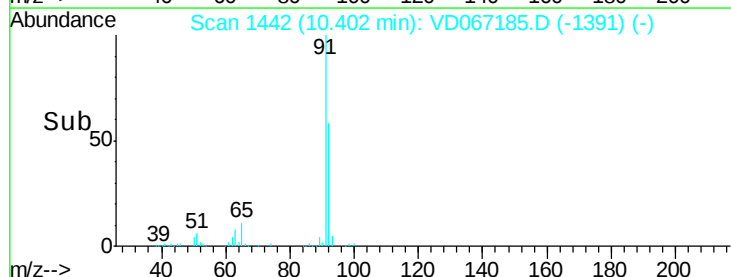
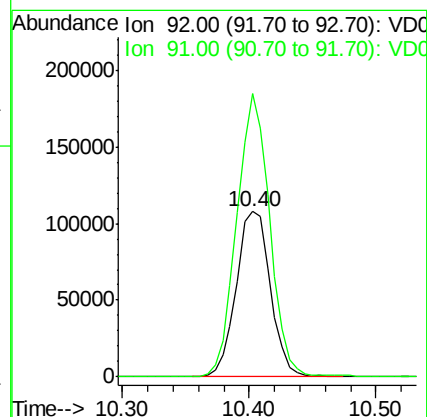
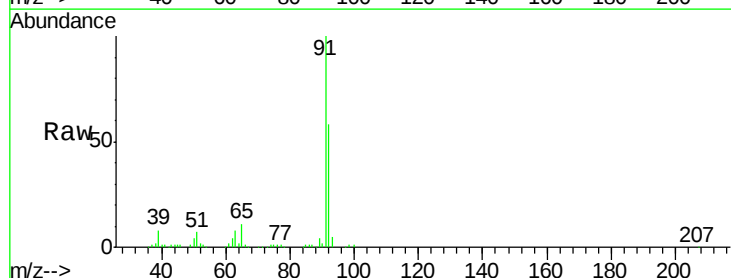
Acq: 08 Oct 2020 10:57

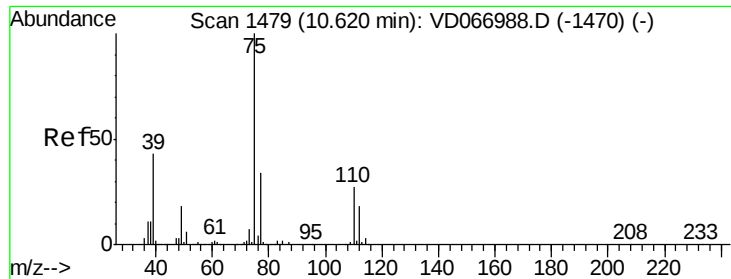
Tgt Ion: 92 Resp: 201041

Ion Ratio Lower Upper

92 100

91 164.7 135.1 202.7





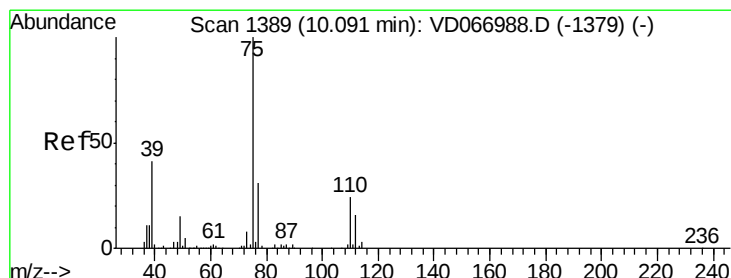
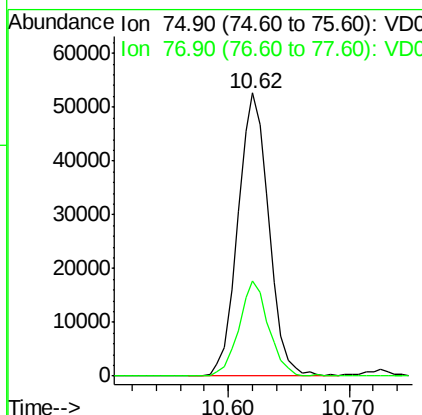
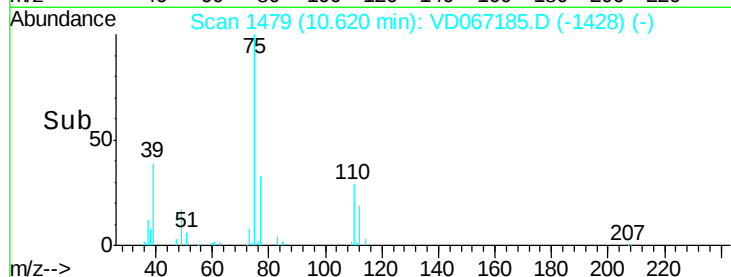
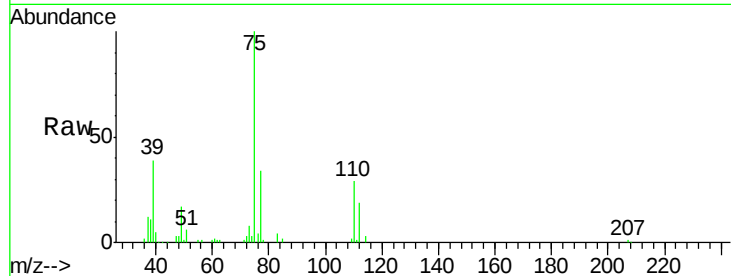
#53
 t-1,3-Dichloropropene
 Concen: 21.425 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion: 75 Resp: 93596
 Ion Ratio Lower Upper
 75 100
 77 33.7 27.1 40.7

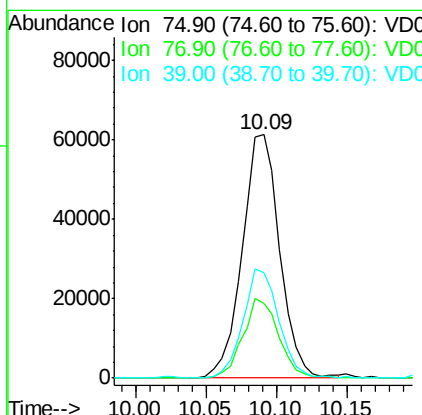
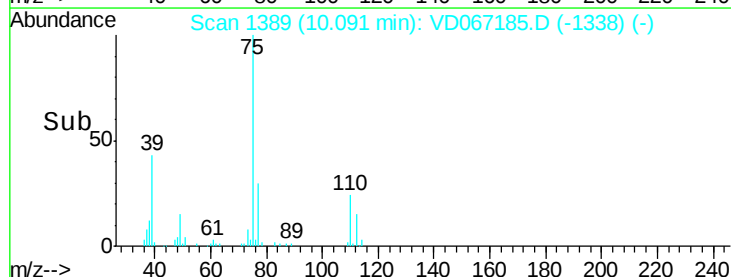
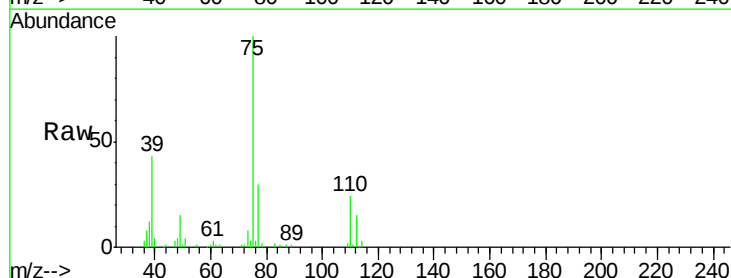
Manual Integrations
 APPROVED

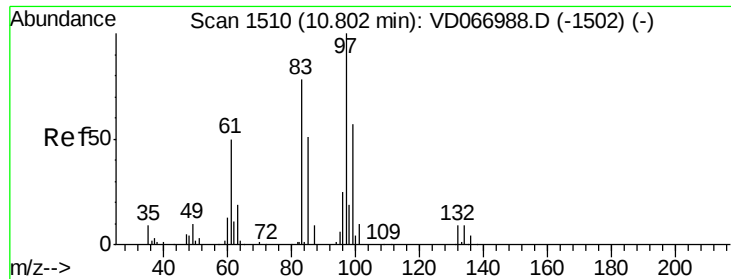
MMDadoda
 10/9/2020 4:22:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.372 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion: 75 Resp: 114009
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.6 37.0
 39 42.9 33.0 49.4





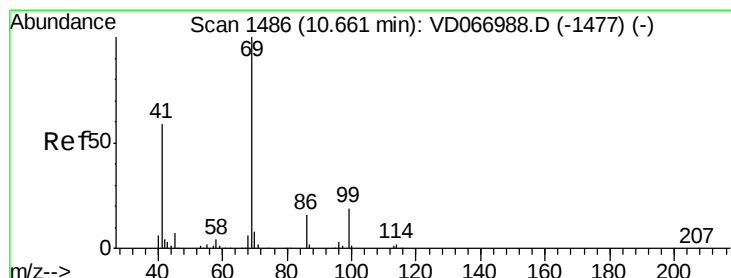
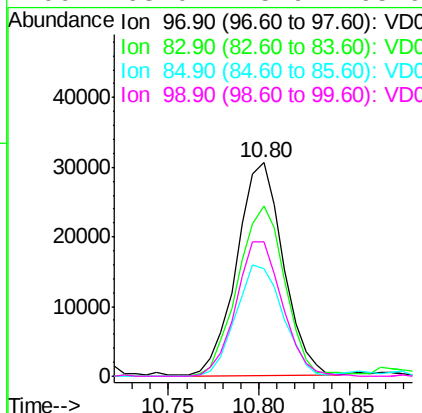
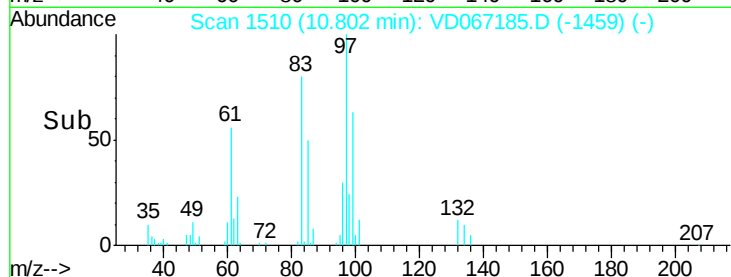
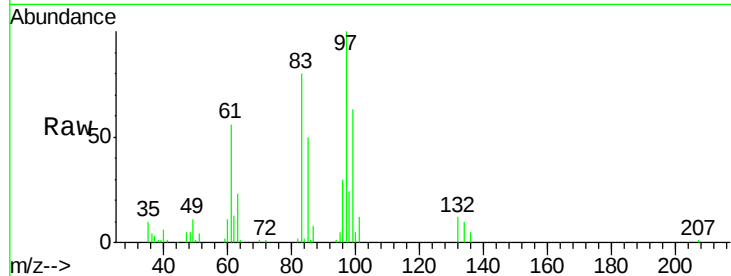
#55
 1,1,2-Trichloroethane
 Concen: 20.910 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion:	97	Resp:	54665
Ion	Ratio	Lower	Upper
97	100		
83	80.3	62.4	93.6
85	50.7	41.0	61.4
99	63.0	45.9	68.9

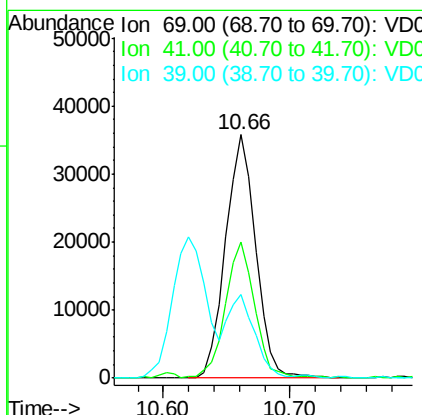
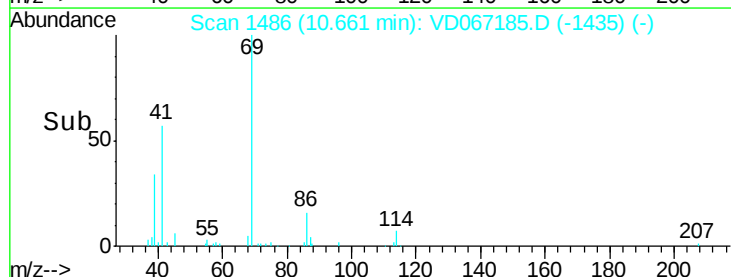
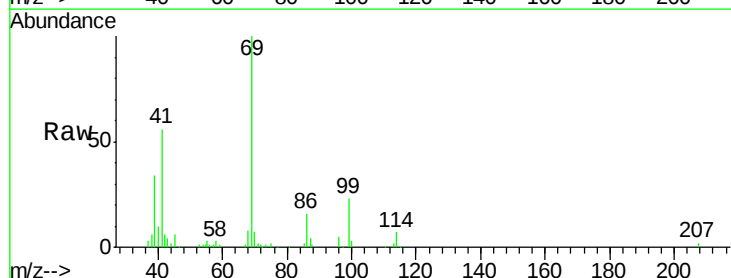
Manual Integrations
 APPROVED

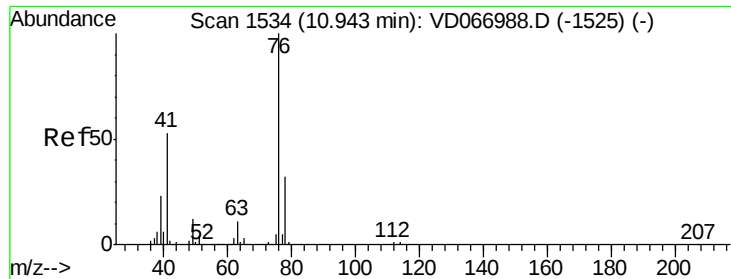
MMDadoda
 10/9/2020 4:22:28 PM



#56
 Ethyl methacrylate
 Concen: 21.871 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion:	69	Resp:	59032
Ion	Ratio	Lower	Upper
69	100		
41	53.1	46.4	69.6
39	30.0	23.8	35.6





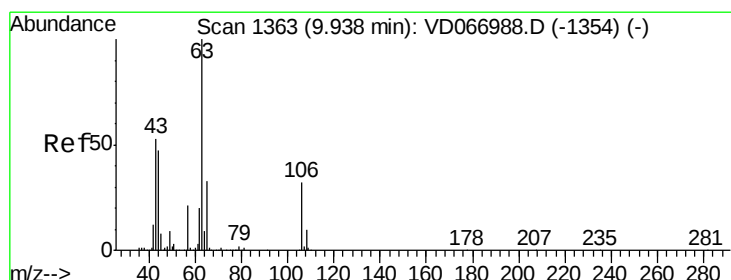
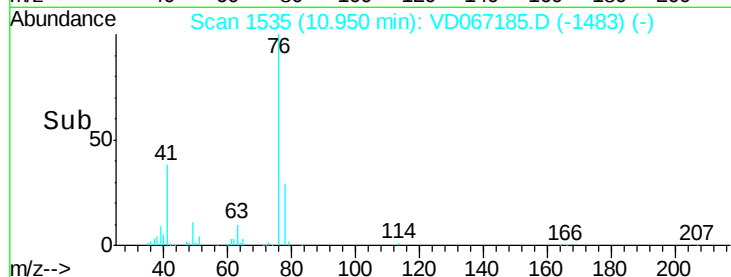
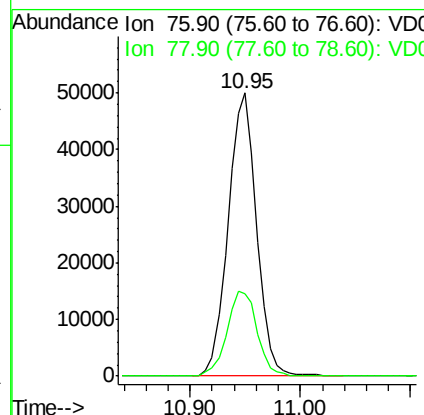
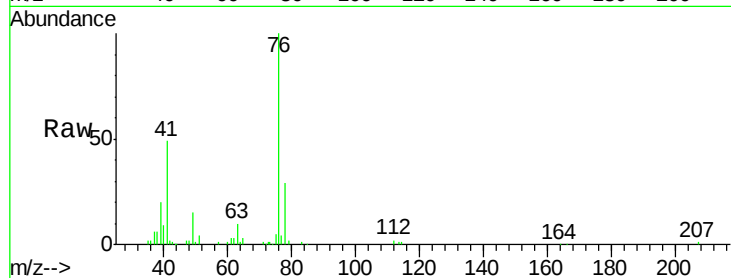
#57
 1,3-Dichloropropane
 Concen: 21.205 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

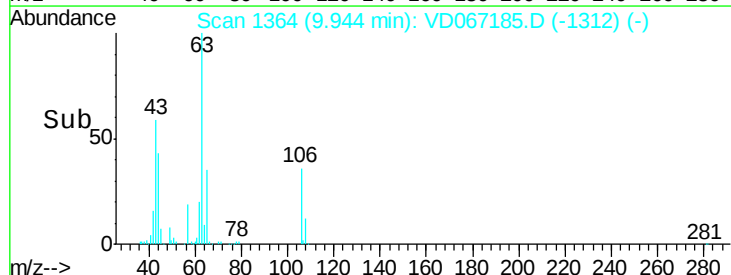
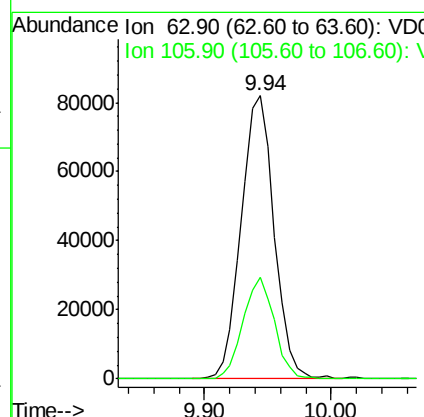
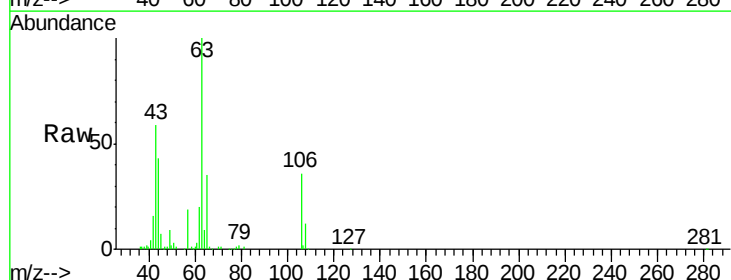
Manual Integrations
 APPROVED

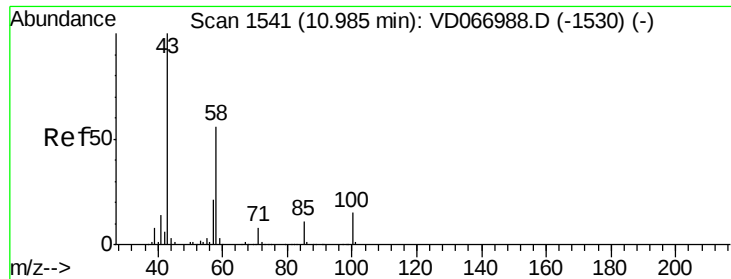
MMDadoda
 10/9/2020 4:22:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.274 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.2	25.3	37.9





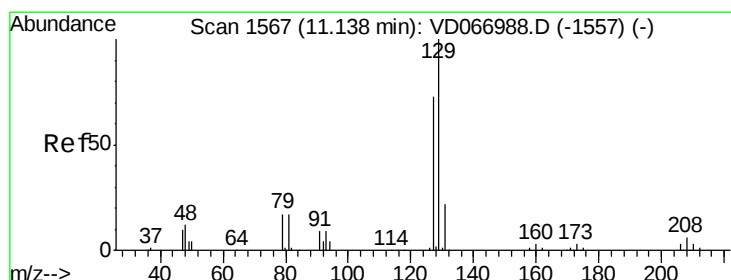
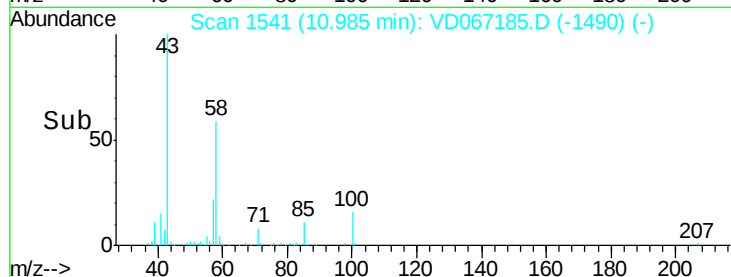
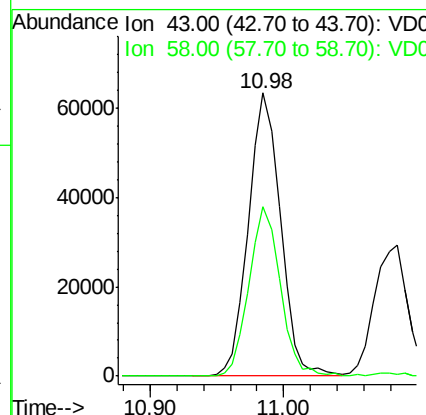
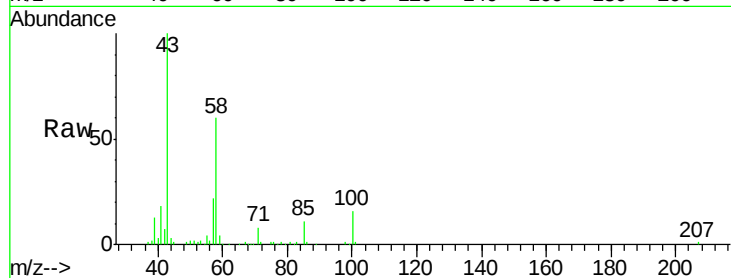
#59
2-Hexanone
Concen: 99.204 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion: 43 Resp: 105517
Ion Ratio Lower Upper
43 100
58 58.4 28.3 84.9

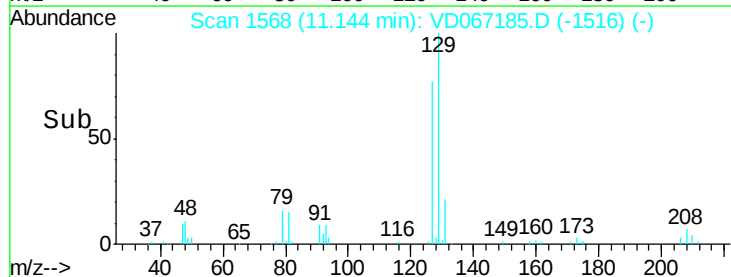
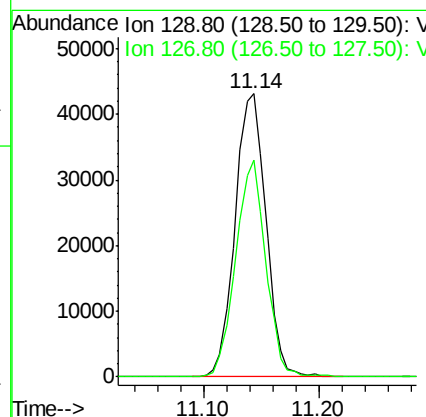
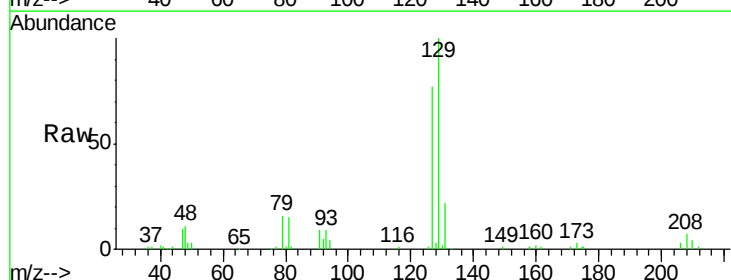
Manual Integrations
APPROVED

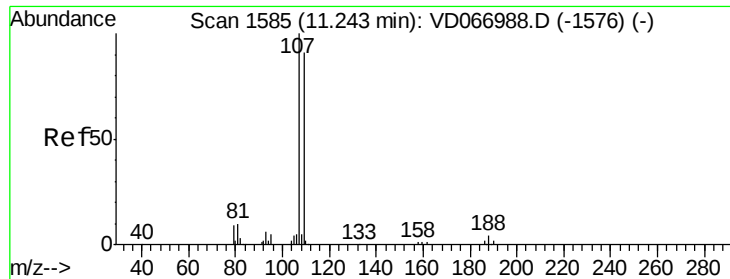
MMDadoda
10/9/2020 4:22:28 PM



#60
Dibromochloromethane
Concen: 22.941 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion: 129 Resp: 79937
Ion Ratio Lower Upper
129 100
127 74.7 37.4 112.1





#61

1,2-Dibromoethane

Concen: 22.035 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion:107 Resp: 55344

Ion Ratio Lower Upper

107 100

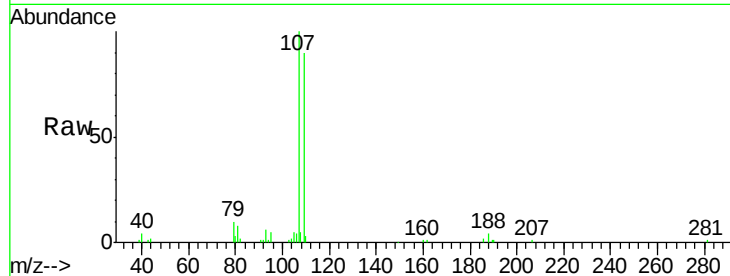
109 94.1 74.0 111.0

Manual Integrations

APPROVED

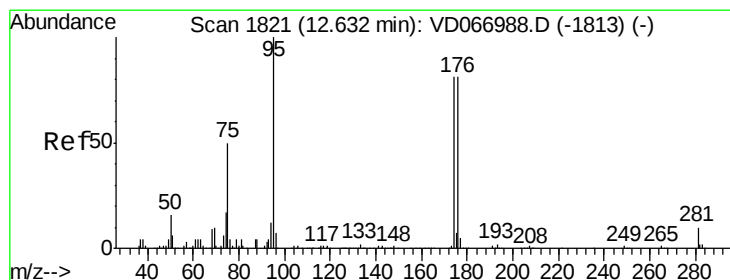
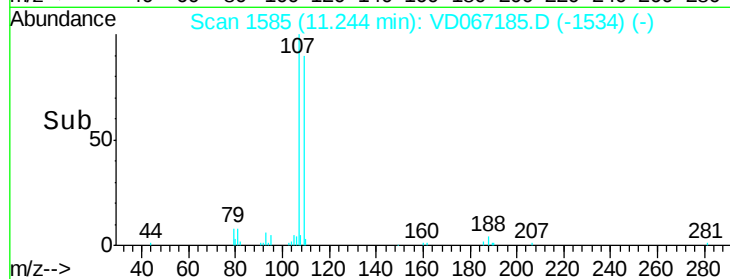
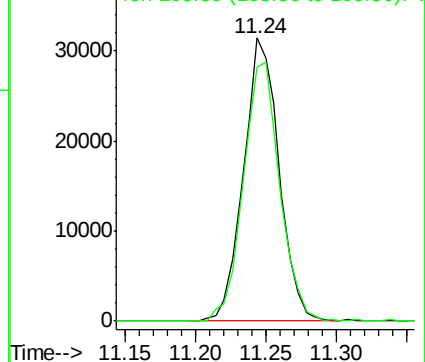
MMDadoda

10/9/2020 4:22:28 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.937 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

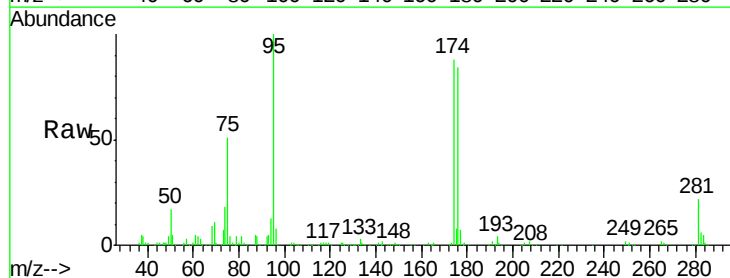
Tgt Ion: 95 Resp: 234928

Ion Ratio Lower Upper

95 100

174 86.3 0.0 167.6

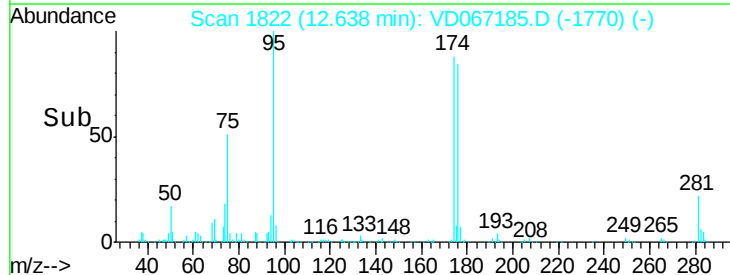
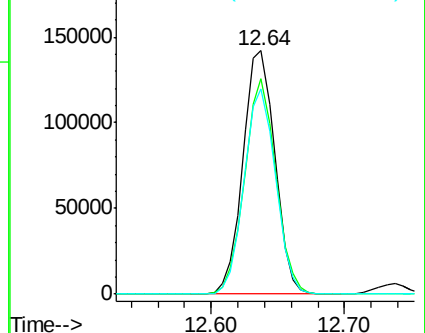
176 83.1 0.0 162.4

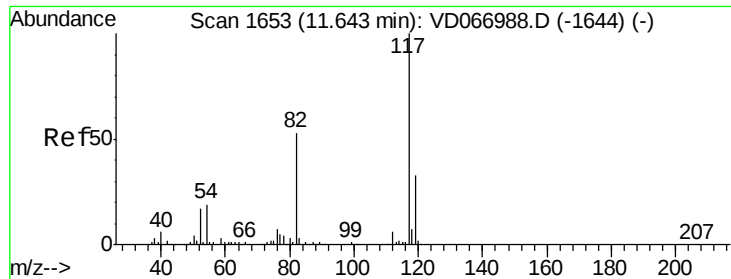


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





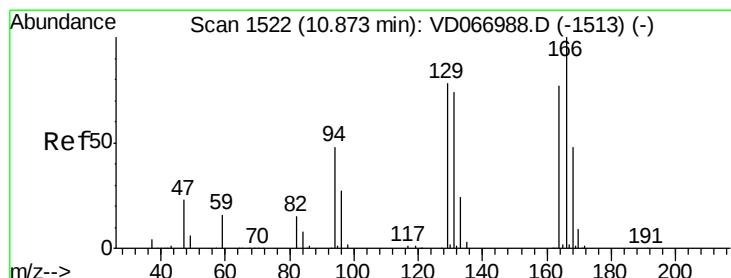
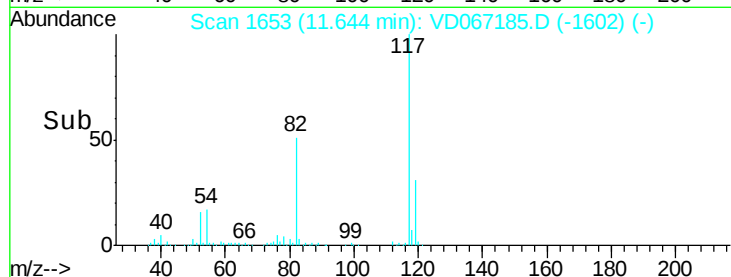
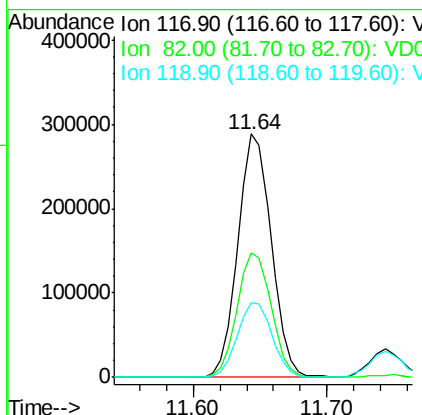
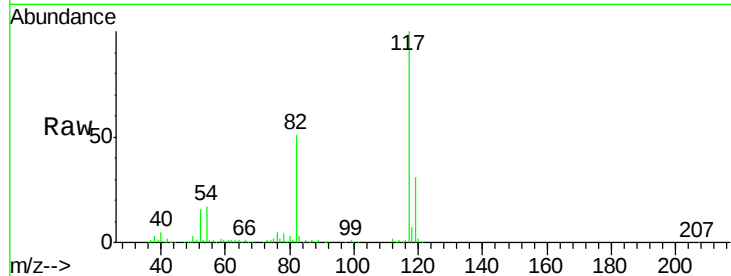
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	501211		
82	51.0	42.6	63.8	
119	30.5	26.3	39.5	

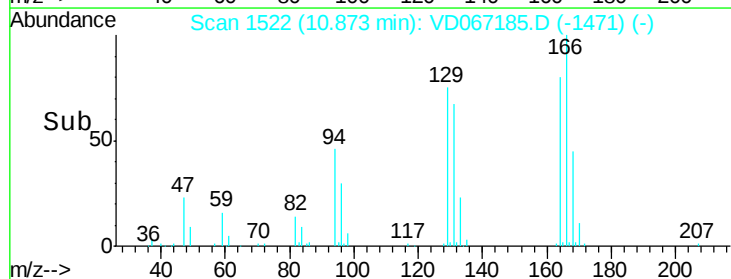
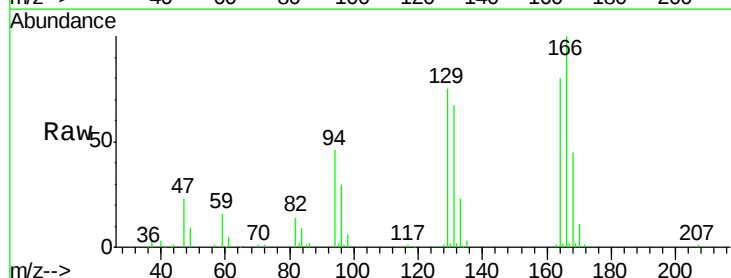
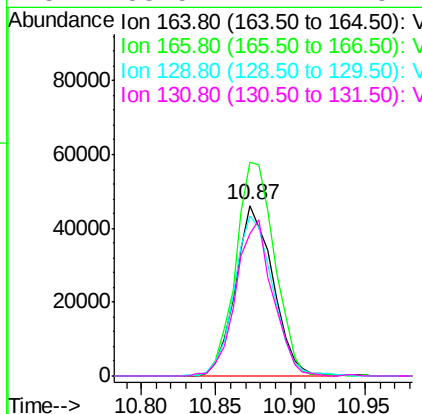
Manual Integrations
APPROVED

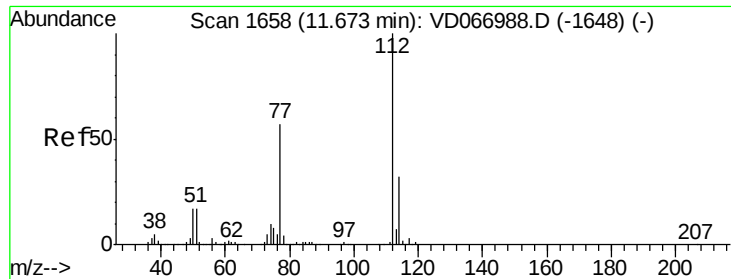
MMDadoda
10/9/2020 4:22:28 PM



#64
Tetrachloroethene
Concen: 22.202 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80899		
166	125.4	104.4	156.6	
129	93.6	81.3	121.9	
131	83.5	77.1	115.7	





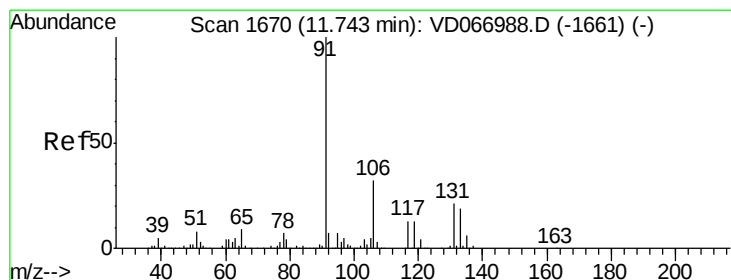
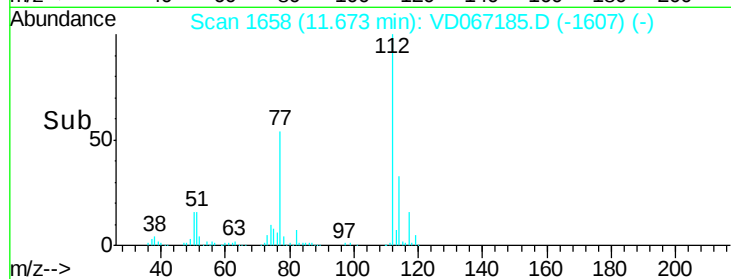
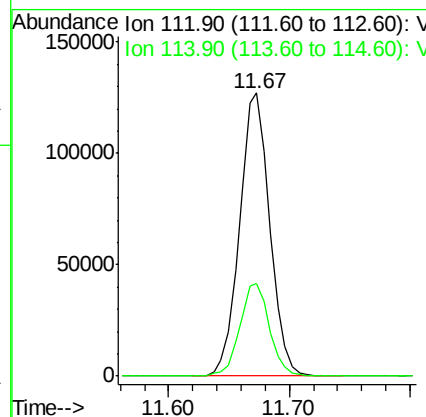
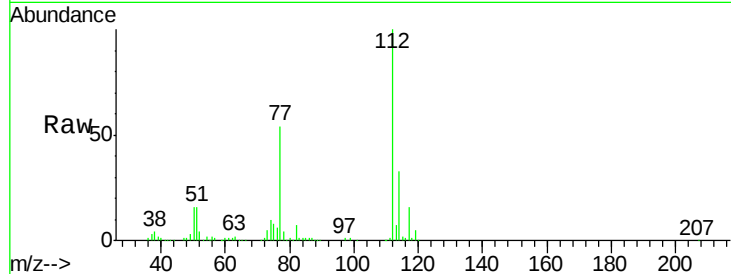
#65
Chlorobenzene
Concen: 22.155 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	220855		
114	32.9	25.4	38.0	

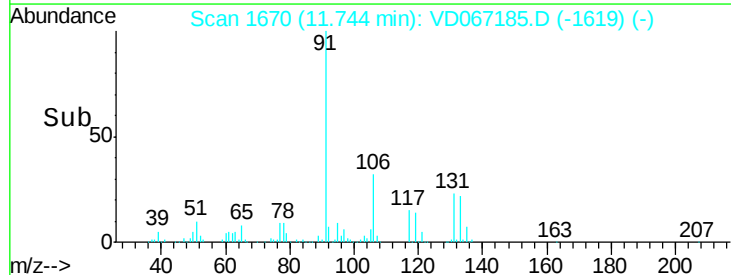
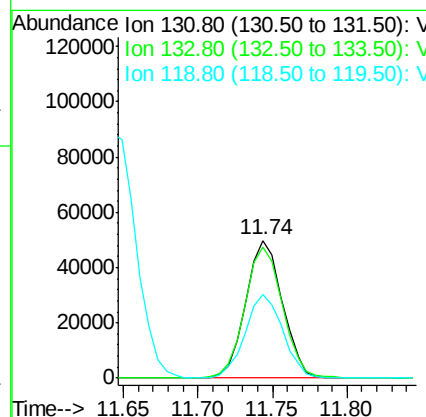
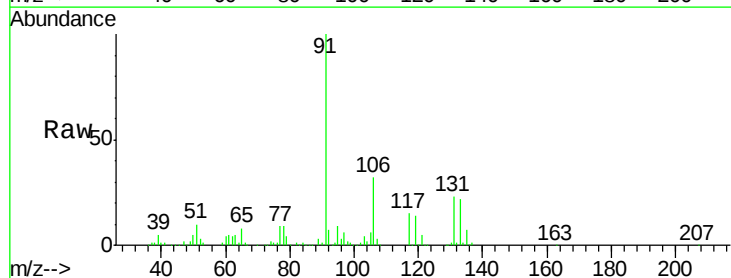
Manual Integrations
APPROVED

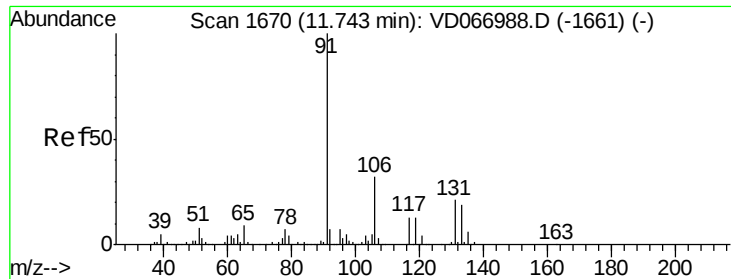
MMDadoda
10/9/2020 4:22:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.372 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	84830		
133	97.4	47.8	143.3	
119	62.7	32.3	96.8	





#67

Ethyl Benzene

Concen: 22.096 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion: 91 Resp: 377403

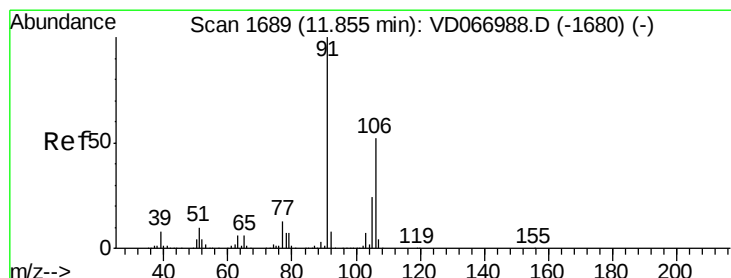
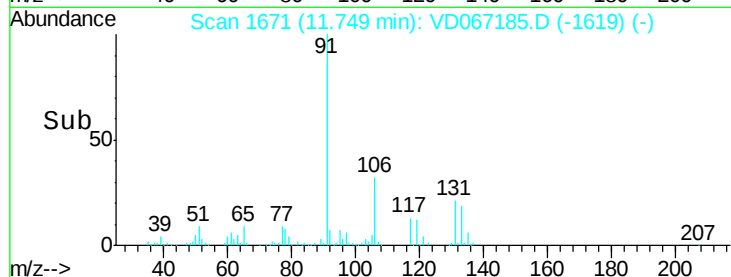
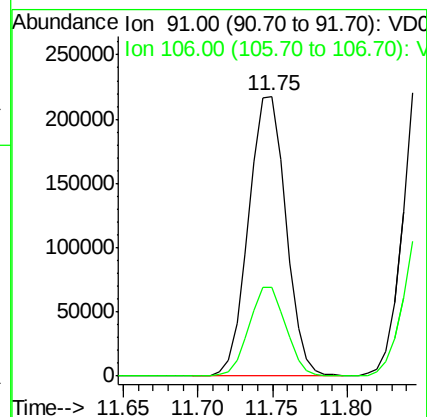
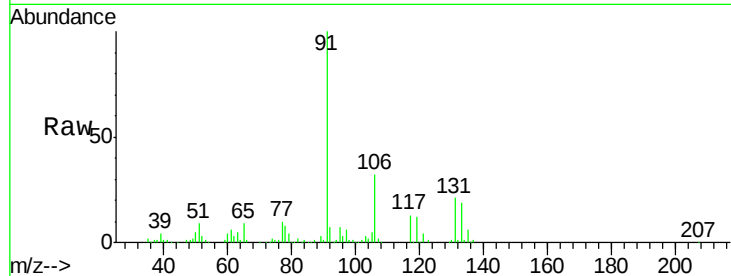
Ion Ratio Lower Upper

91 100

106 31.8 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#68

m/p-Xylenes

Concen: 44.808 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067185.D

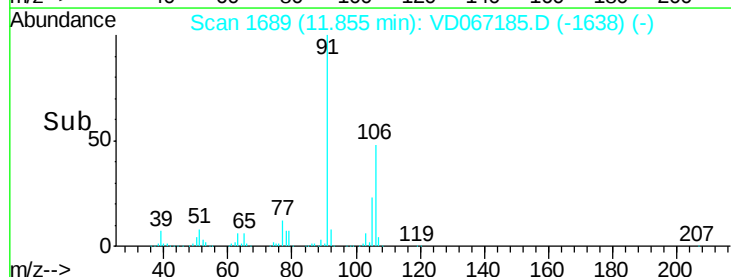
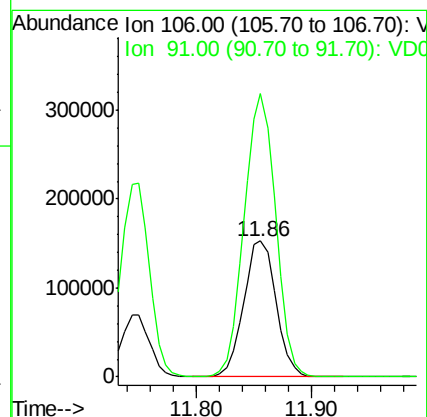
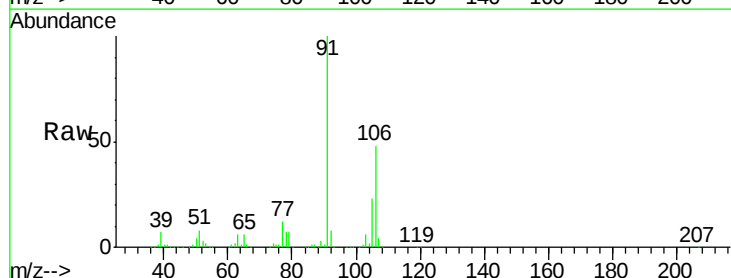
Acq: 08 Oct 2020 10:57

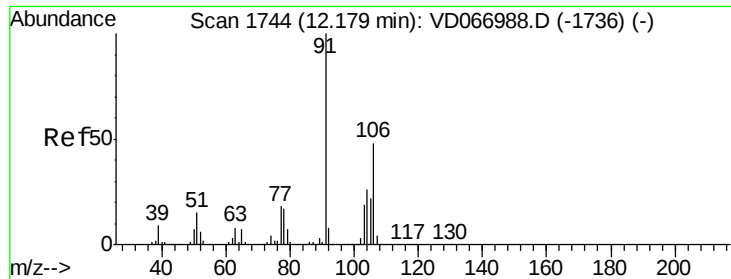
Tgt Ion: 106 Resp: 298259

Ion Ratio Lower Upper

106 100

91 202.4 158.4 237.6





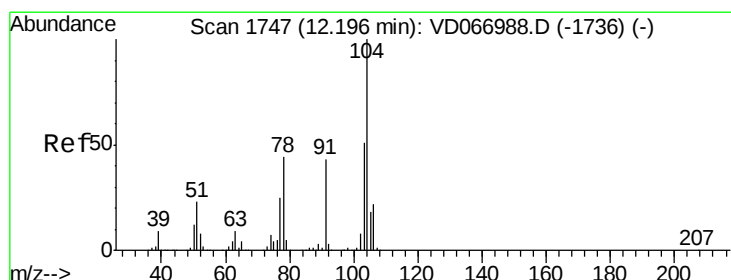
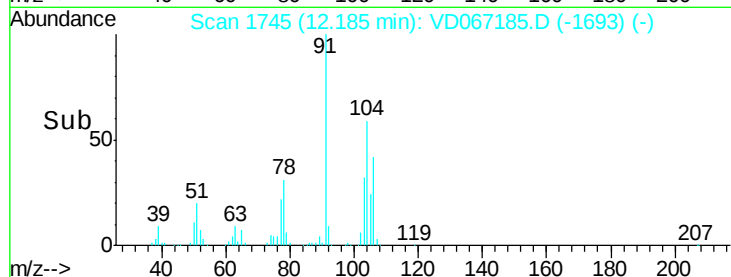
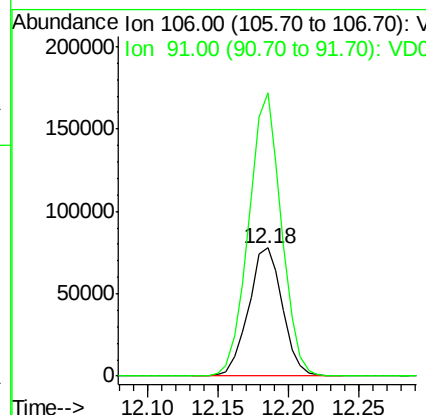
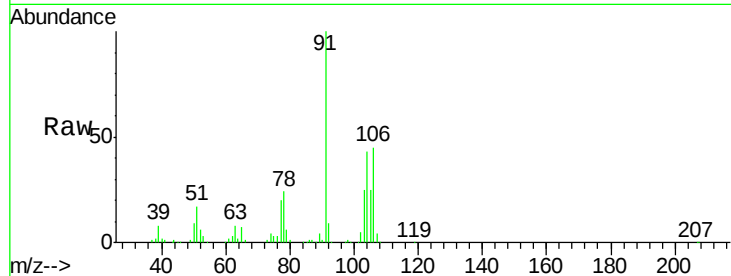
#69
o-Xylene
Concen: 22.020 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	131071		
91	91	213.1	102.4	307.2	

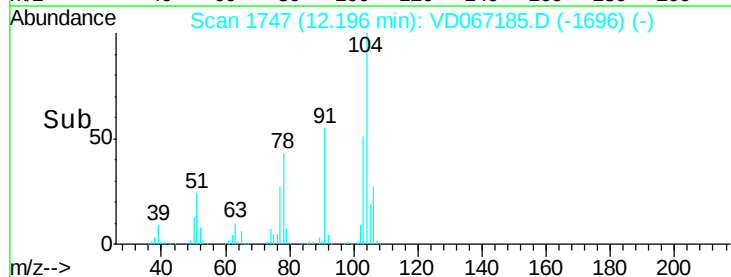
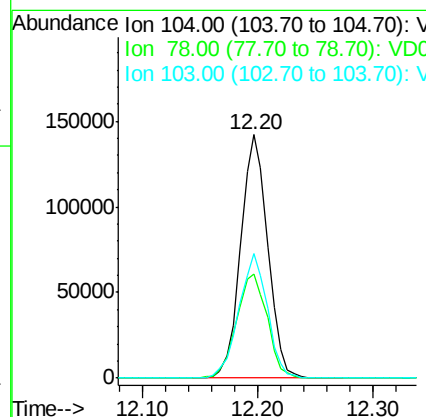
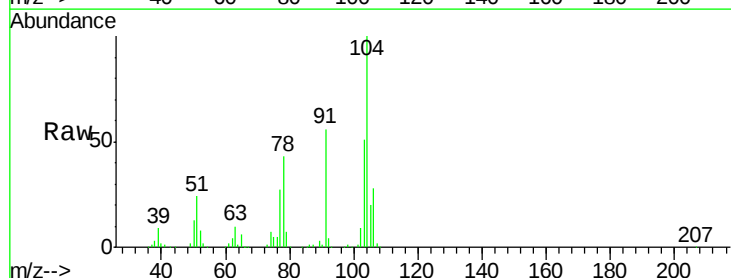
Manual Integrations
APPROVED

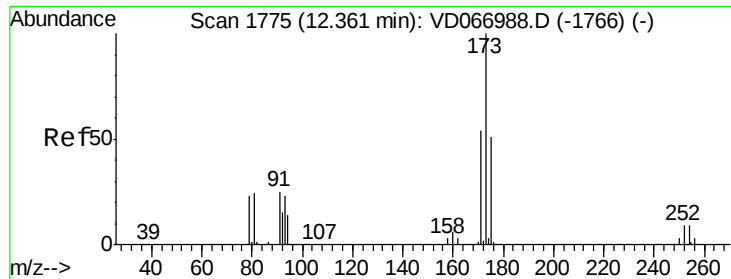
MMDadoda
10/9/2020 4:22:28 PM



#70
Styrene
Concen: 22.522 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	230202		
78	78	48.4	38.6	58.0	
103	103	54.1	43.4	65.0	





#71

Bromoform

Concen: 23.202 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion:173 Resp: 45669

Ion Ratio Lower Upper

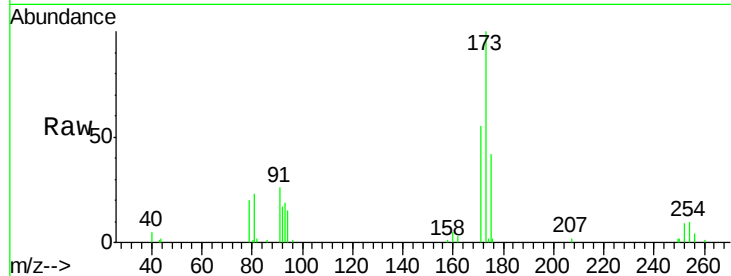
173 100

175 47.6 24.9 74.7

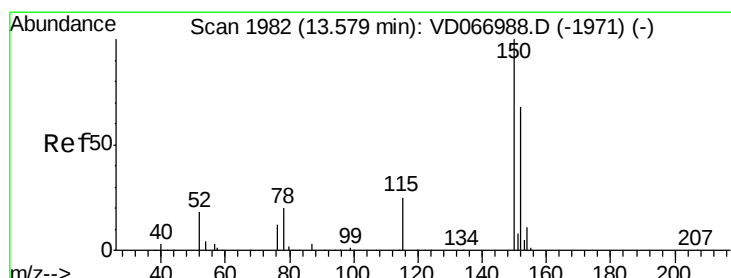
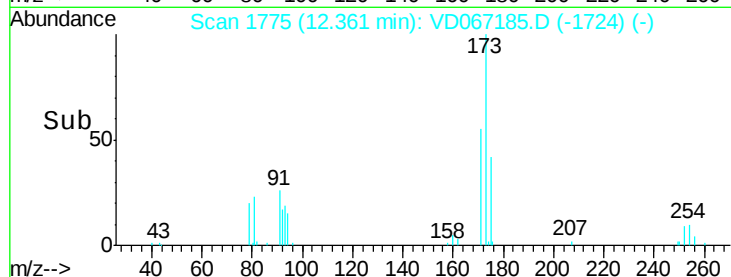
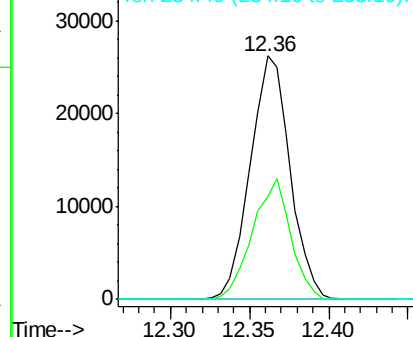
254 0.0 0.2 0.4#

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

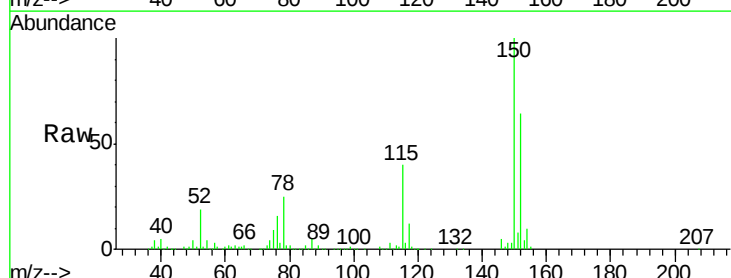
Tgt Ion:152 Resp: 253425

Ion Ratio Lower Upper

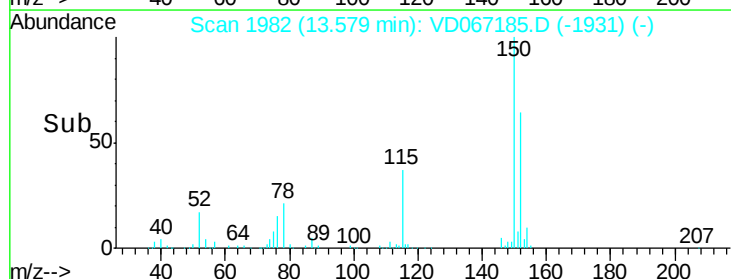
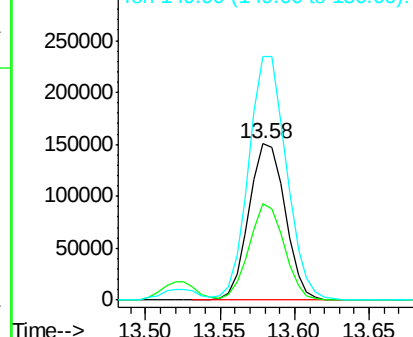
152 100

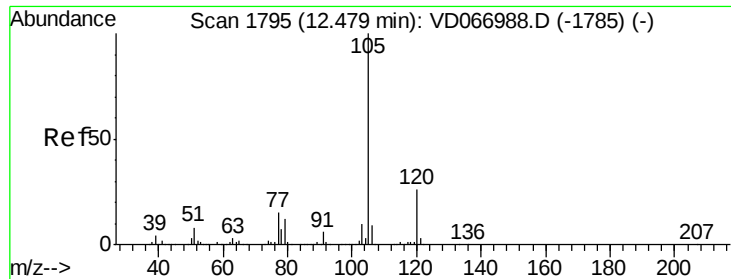
115 59.4 29.6 88.8

150 162.3 0.0 344.8



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





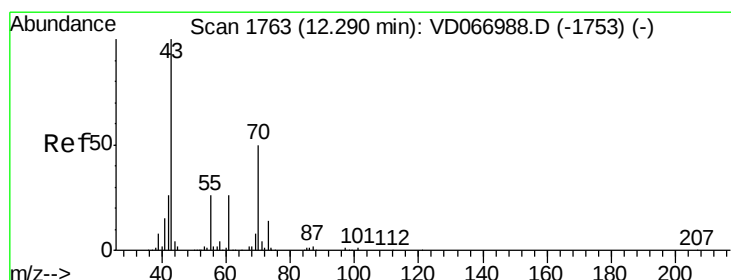
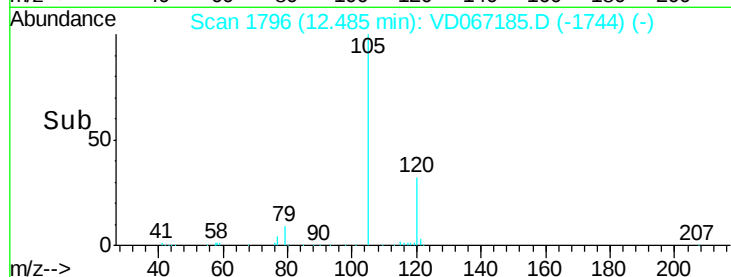
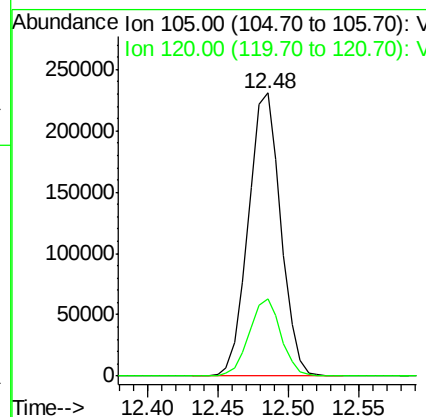
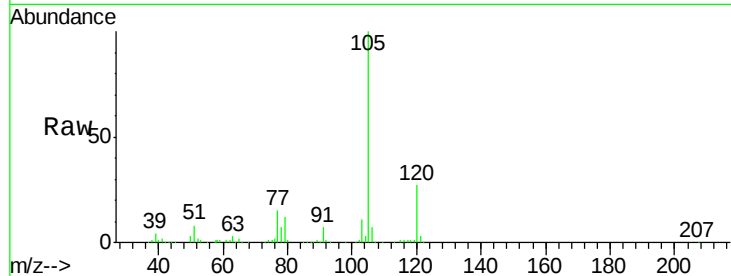
#73
Isopropylbenzene
Concen: 21.594 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.9

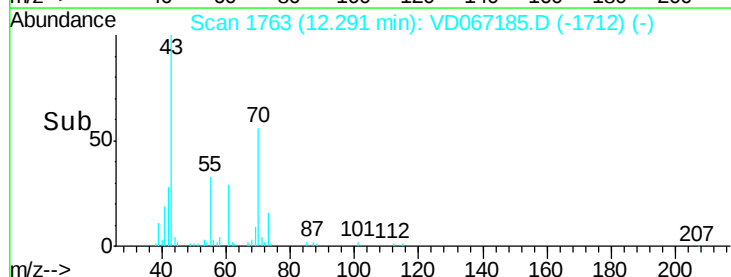
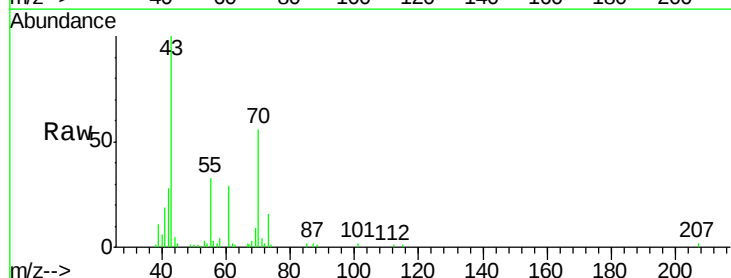
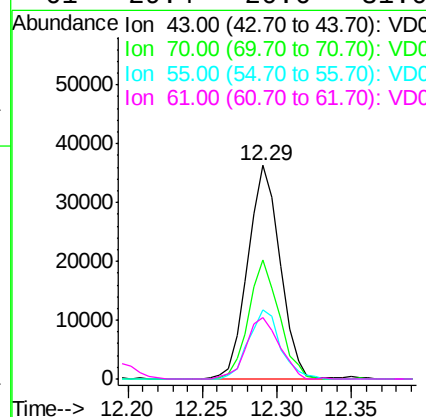
Manual Integrations
APPROVED

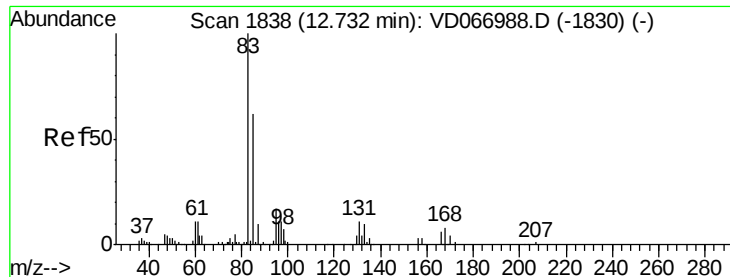
MMDadoda
10/9/2020 4:22:28 PM



#74
N-ethyl acetate
Concen: 17.611 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.1	38.2	57.2
55	31.9	22.4	33.6
61	29.4	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.527 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

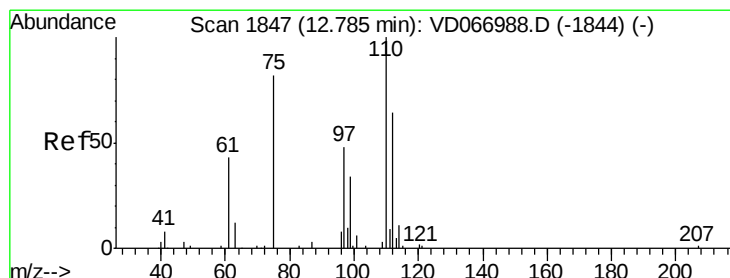
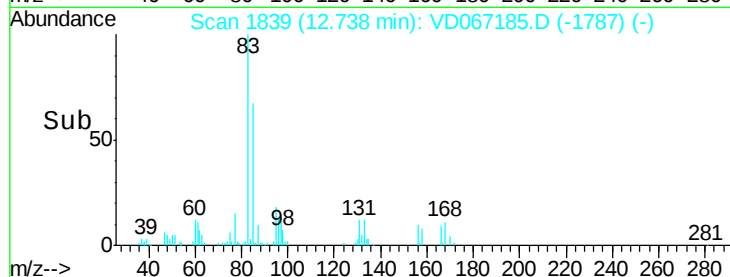
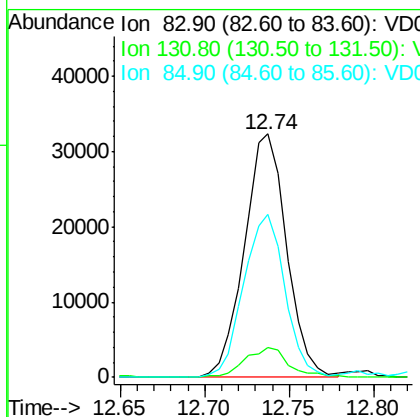
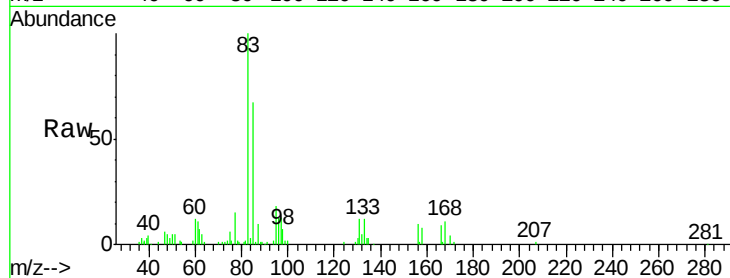
ClientSampleId :

VD1008SBS01

Tot Ion:	83	Resp:	56613
Ion Ratio	Lower	Upper	
83	100		
131	12.6	5.7	17.0
85	65.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#76

1,2,3-Trichloropropane

Concen: 19.654 ug/l m

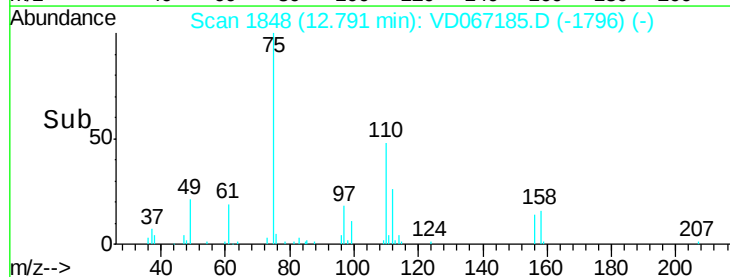
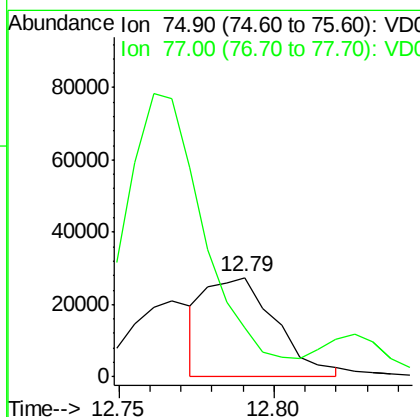
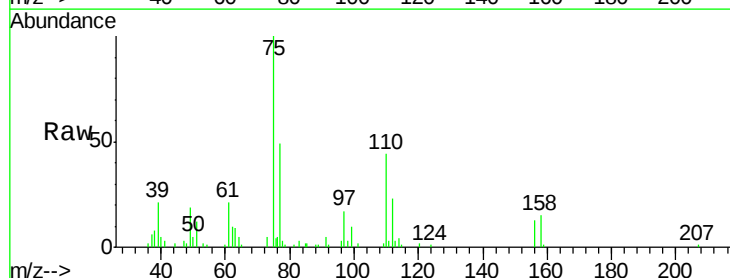
RT: 12.79 min Scan# 1848

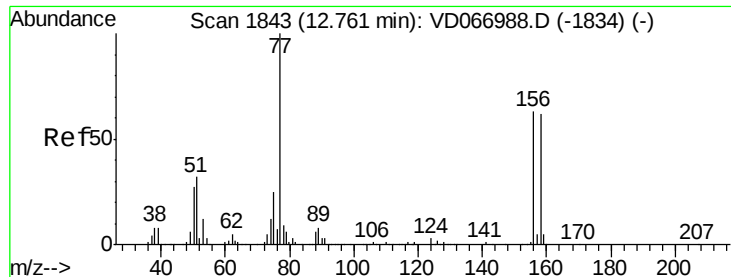
Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Tgt Ion:	75	Resp:	43385
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.564 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

ClientSampleId :

VD1008SBS01

Tot Ion:156 Resp: 93757

Ion Ratio Lower Upper

156 100

77 155.0 86.3 258.8

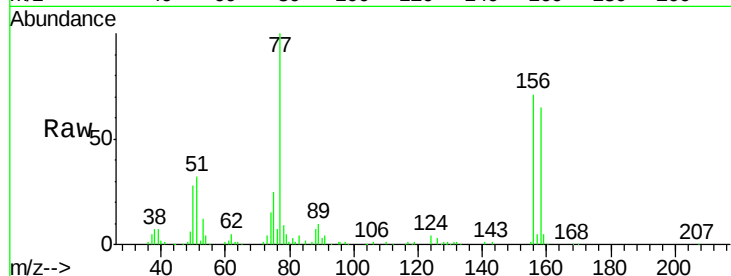
158 93.7 49.5 148.3

Manual Integrations

APPROVED

MMDadoda

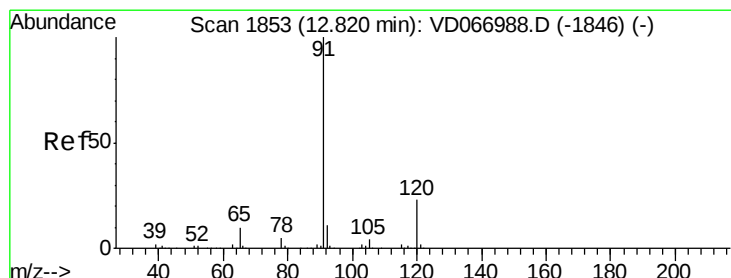
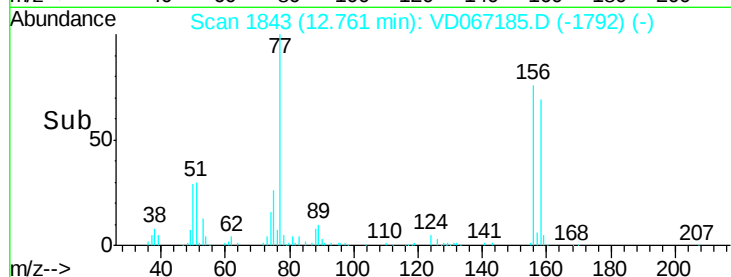
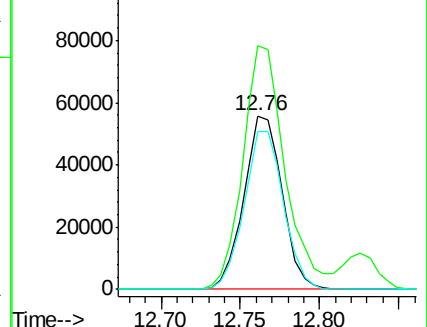
10/9/2020 4:22:28 PM



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: 21.426 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067185.D

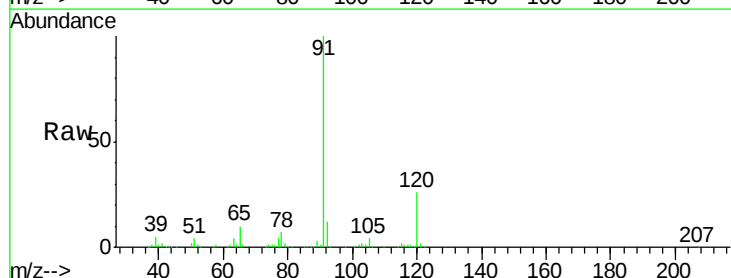
Acq: 08 Oct 2020 10:57

Tgt Ion: 91 Resp: 435737

Ion Ratio Lower Upper

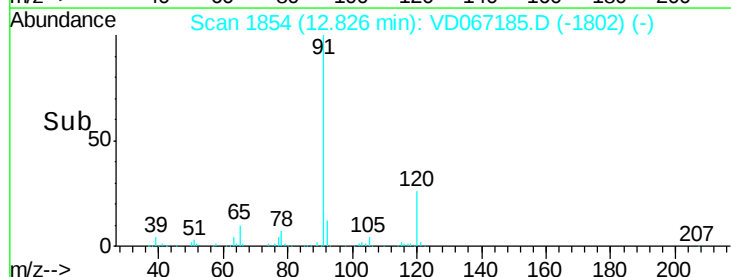
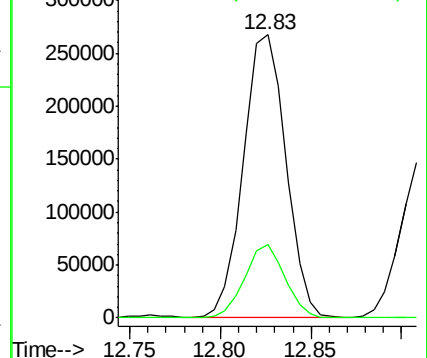
91 100

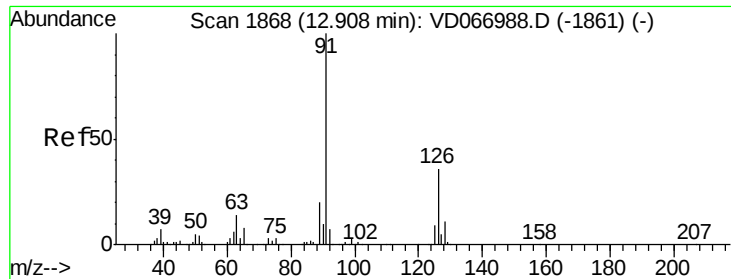
120 24.6 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





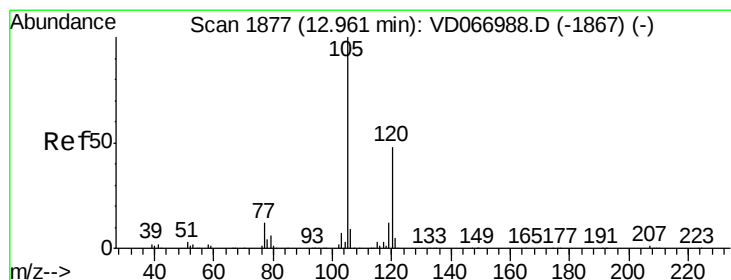
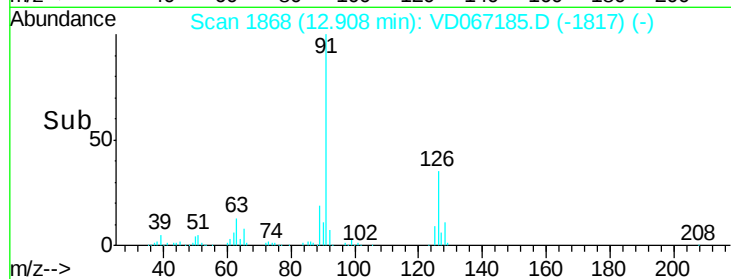
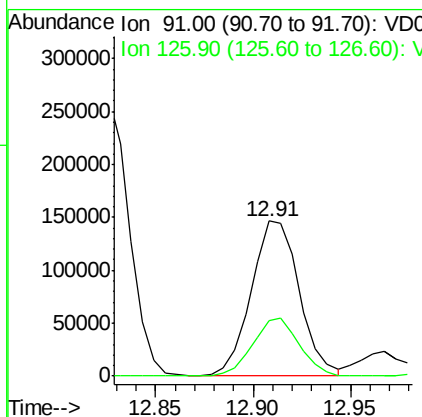
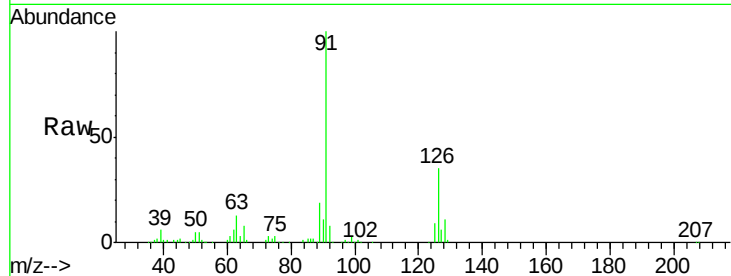
#79
2-Chlorotoluene
Concen: 21.491 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.5	52.6

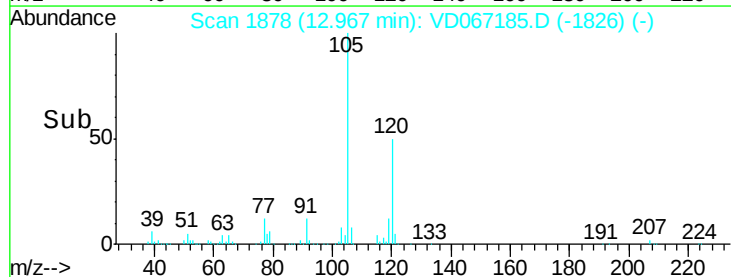
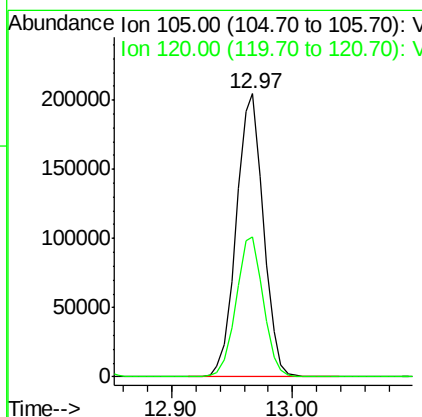
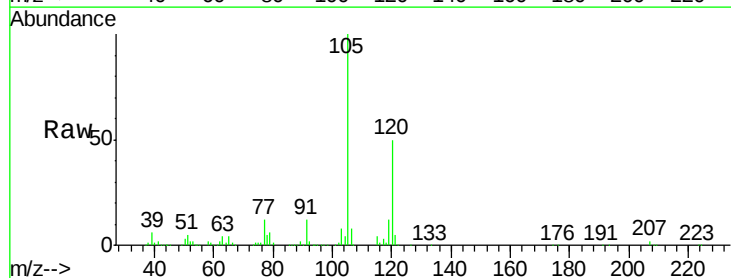
Manual Integrations
APPROVED

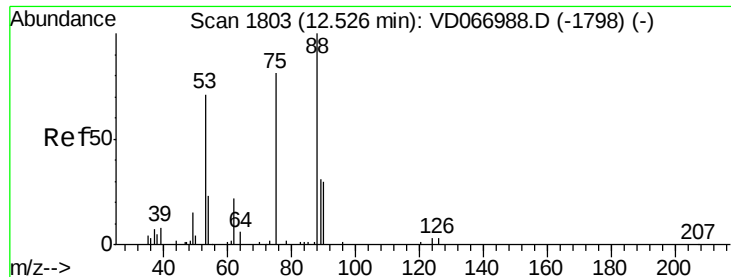
MMDadoda
10/9/2020 4:22:28 PM



#80
1,3,5-Trimethylbenzene
Concen: 22.002 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.6	74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.531 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

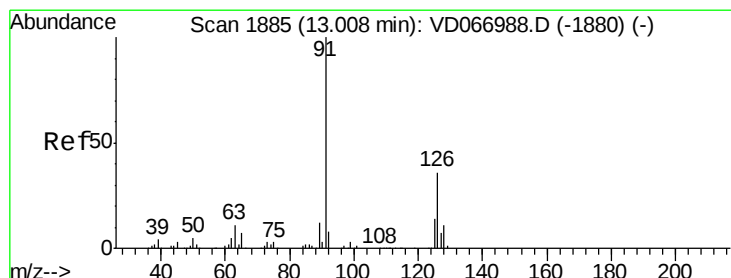
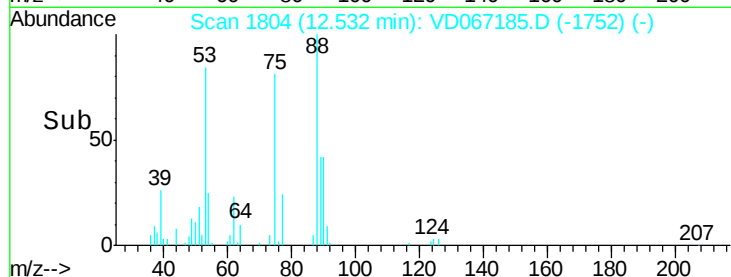
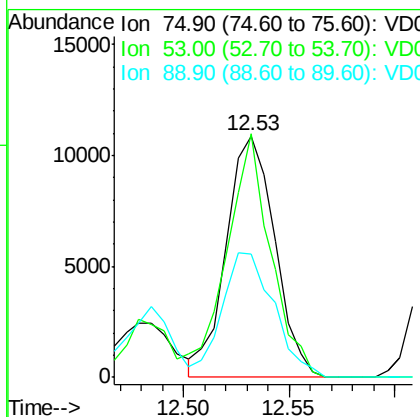
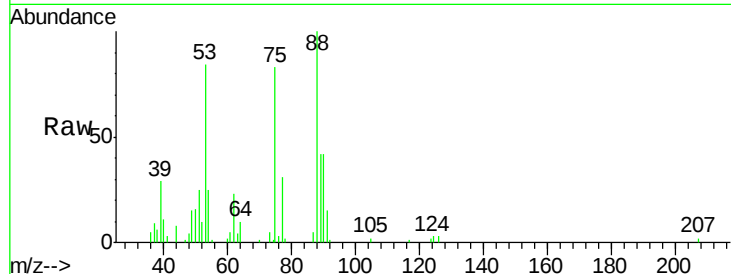
ClientSampleId :

VD1008SBS01

Tot Ion:	75	Resp:	17293
Ion	Ratio	Lower	Upper
75	100		
53	92.3	73.8	110.6
89	55.2	38.9	58.3

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#82

4-Chlorotoluene

Concen: 21.481 ug/l

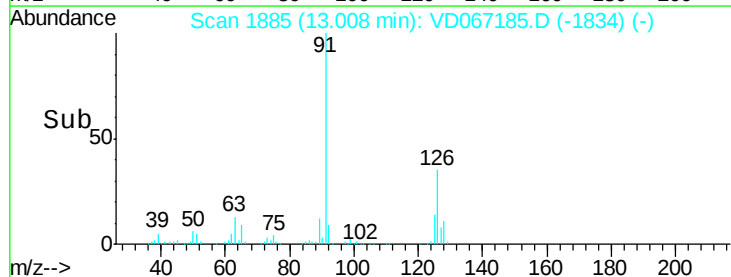
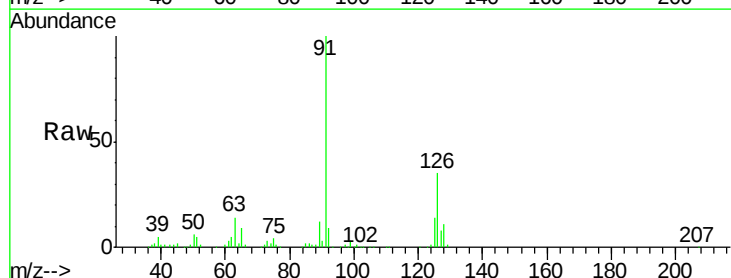
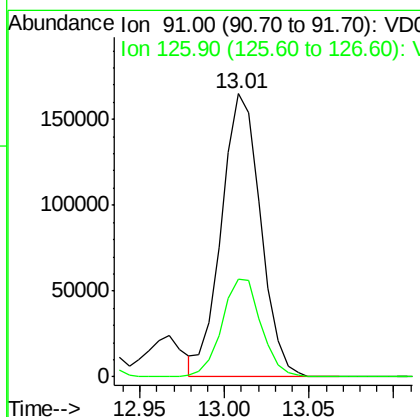
RT: 13.01 min Scan# 1885

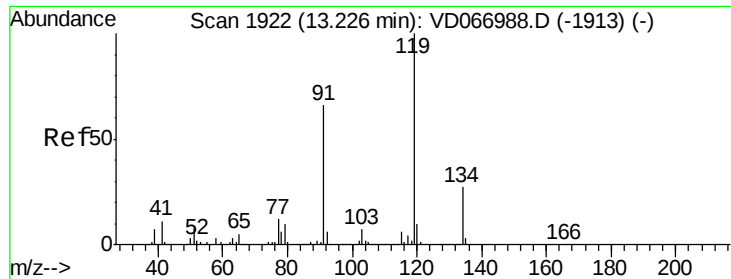
Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Tgt Ion:	91	Resp:	265927
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





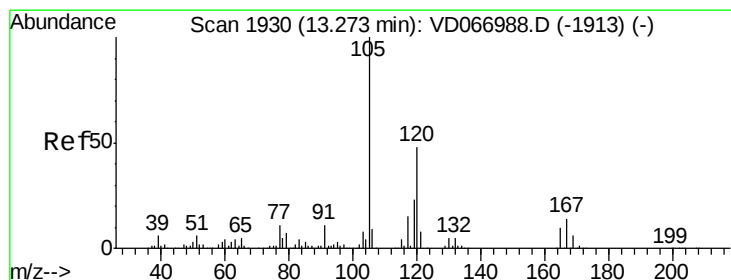
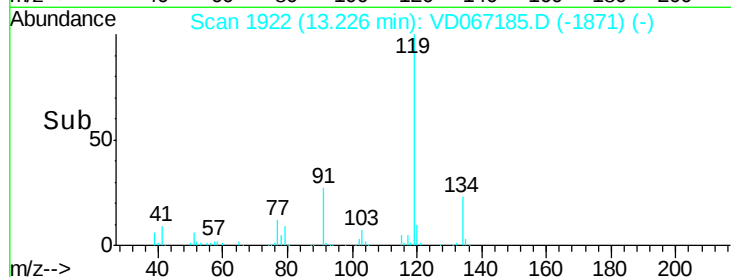
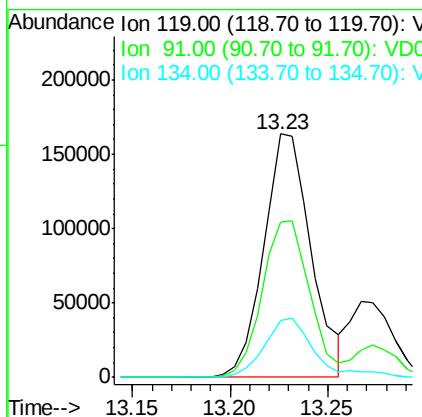
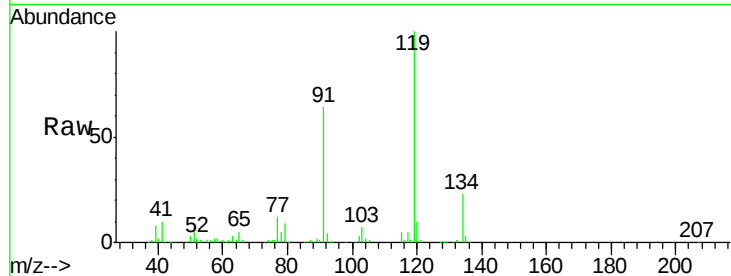
#83
tert-Butylbenzene
Concen: 22.468 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275078		
91	64.3		32.8	98.3
134	25.9		13.9	41.7

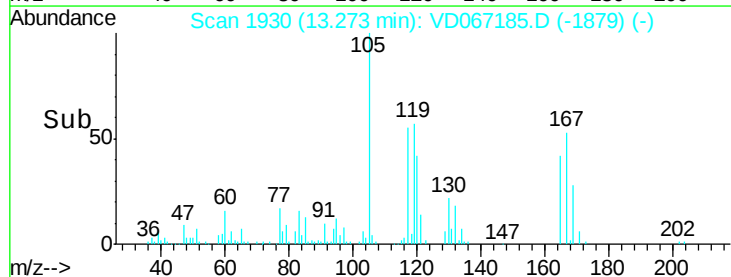
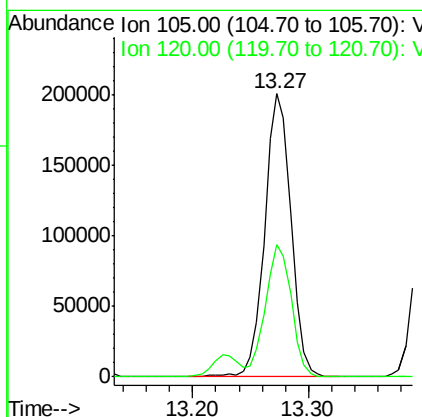
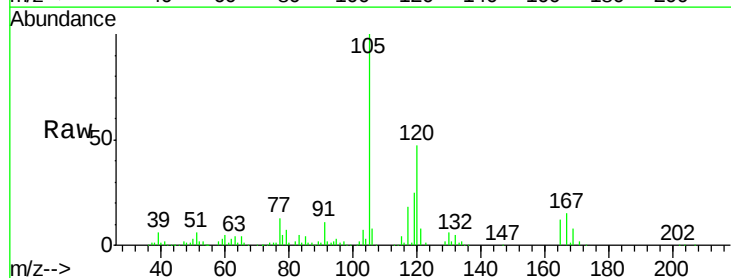
Manual Integrations
APPROVED

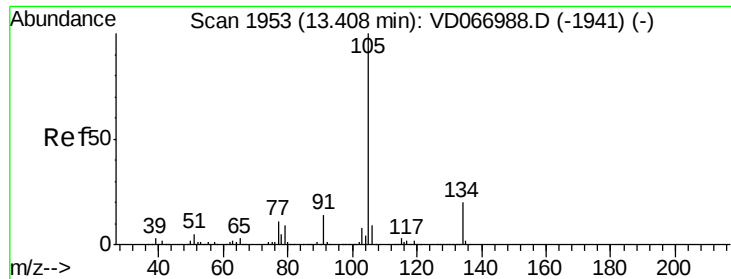
MMDadoda
10/9/2020 4:22:28 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.003 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	319243		
120	46.4		23.3	69.8





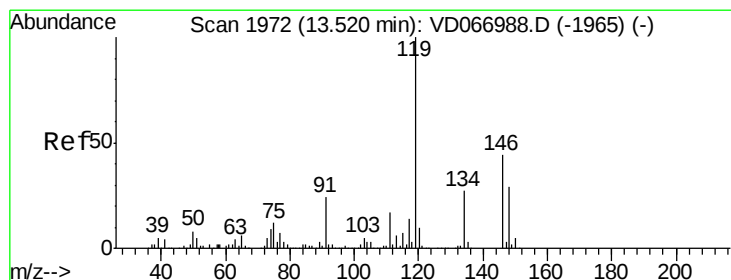
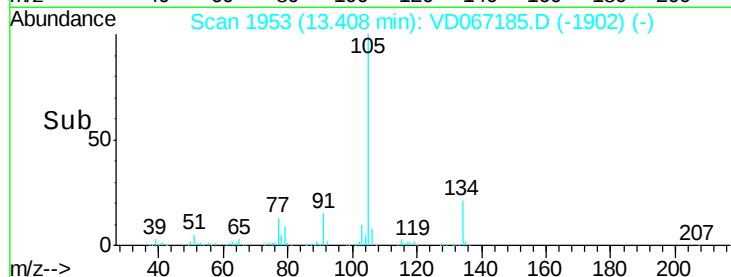
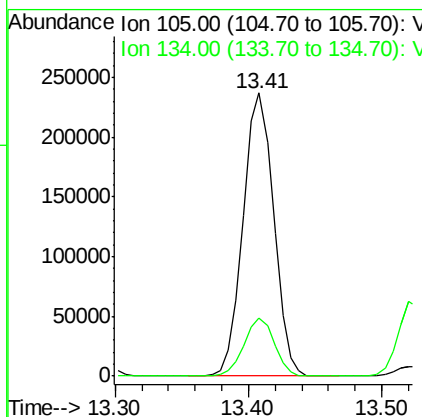
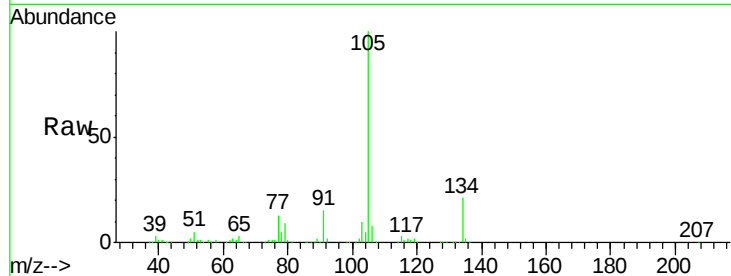
#85
 sec-Butylbenzene
 Concen: 21.772 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	375376		
134	20.4	10.3	30.8	

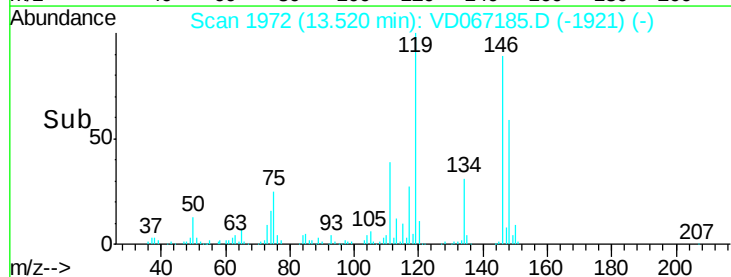
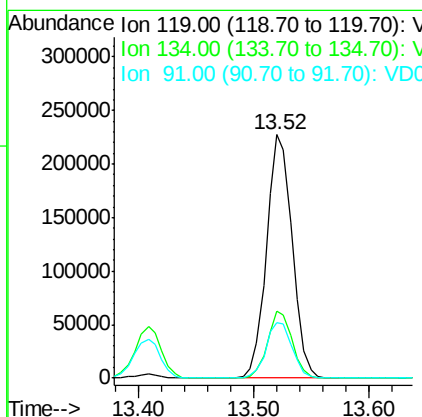
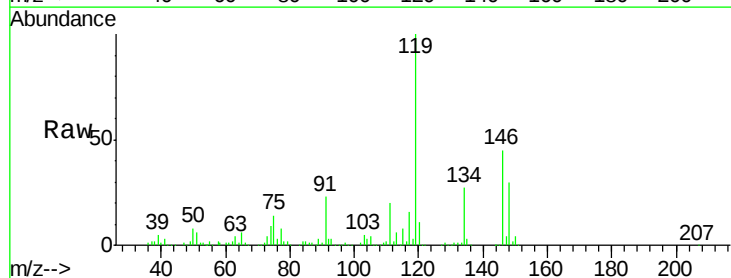
Manual Integrations
 APPROVED

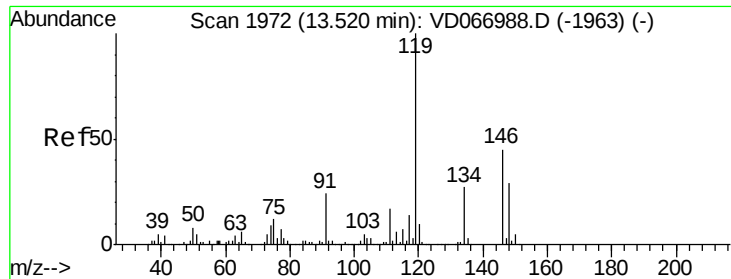
MMDadoda
 10/9/2020 4:22:28 PM



#86
 p-Isopropyltoluene
 Concen: 22.037 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	352256		
134	26.2	13.1	39.1	
91	23.1	11.7	35.1	





#87

1,3-Dichlorobenzene

Concen: 21.866 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Instrument :

MSVOA_D

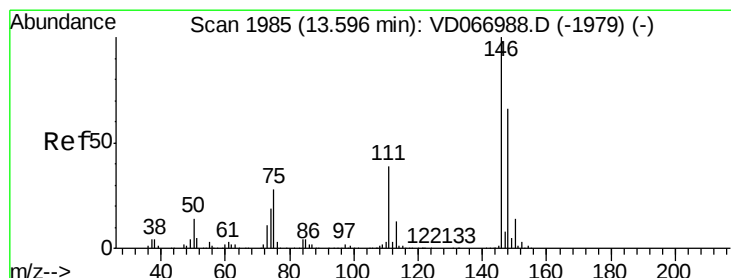
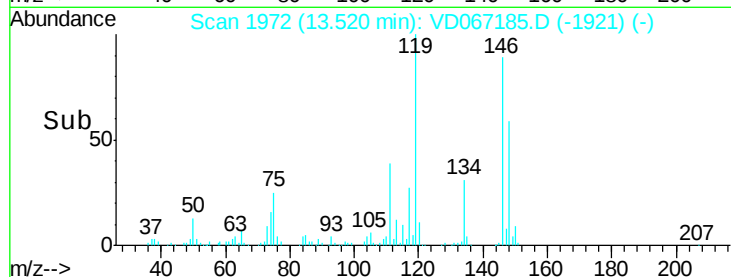
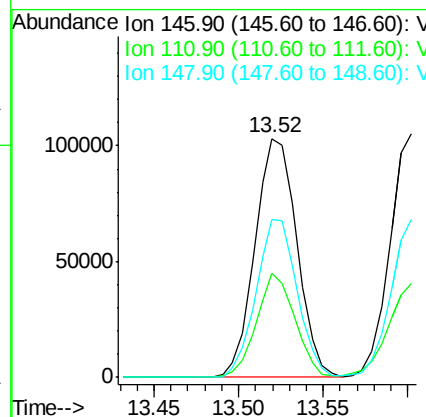
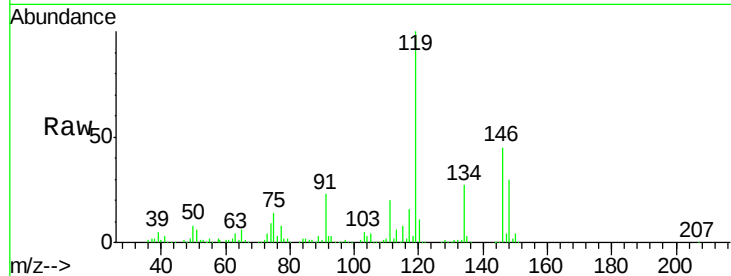
ClientSampleId :

VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	176970		
111	40.1	20.0	60.0	
148	64.7	31.9	95.9	

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#88

1,4-Dichlorobenzene

Concen: 21.415 ug/l

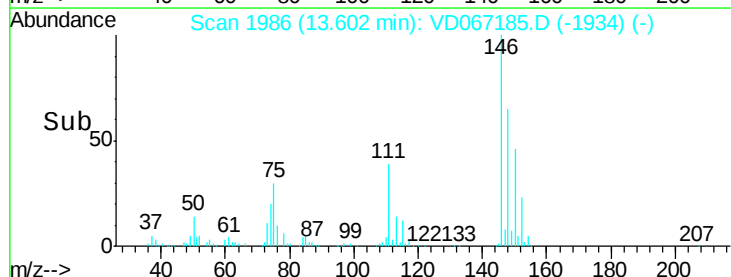
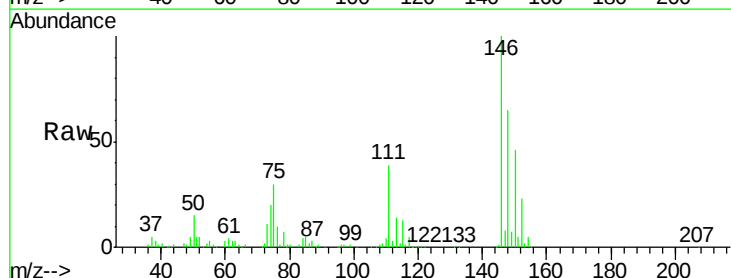
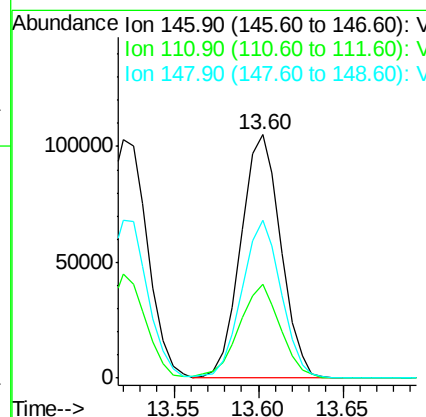
RT: 13.60 min Scan# 1986

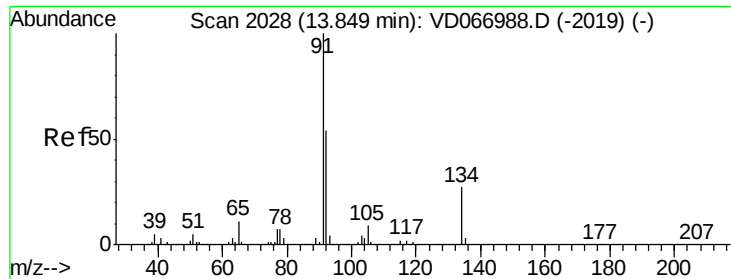
Delta R.T. 0.01 min

Lab File: VD067185.D

Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173302		
111	39.9	19.6	58.7	
148	64.0	32.6	97.7	





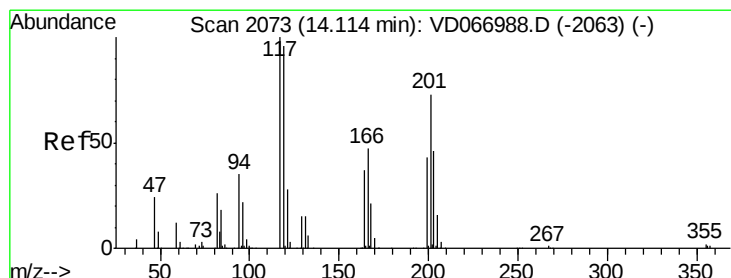
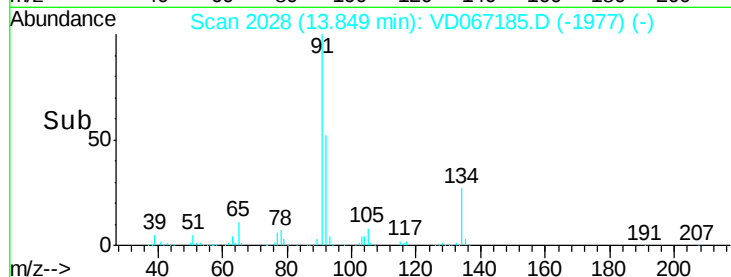
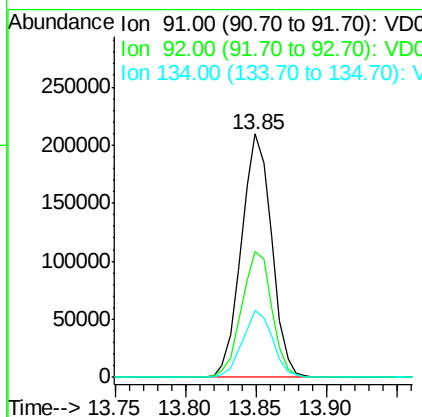
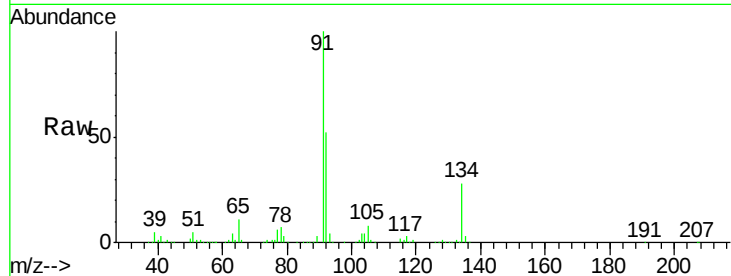
#89
n-Butylbenzene
Concen: 21.577 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	27.1	81.2
134	27.5	13.6	40.8

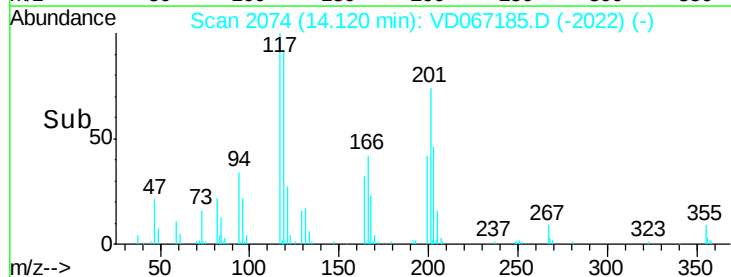
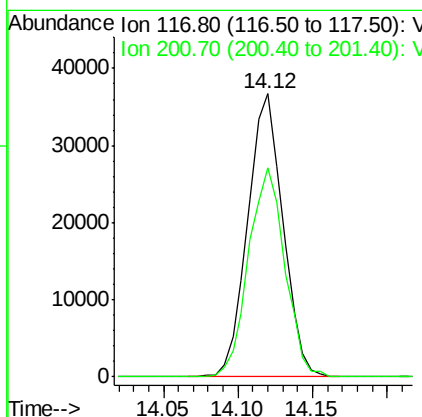
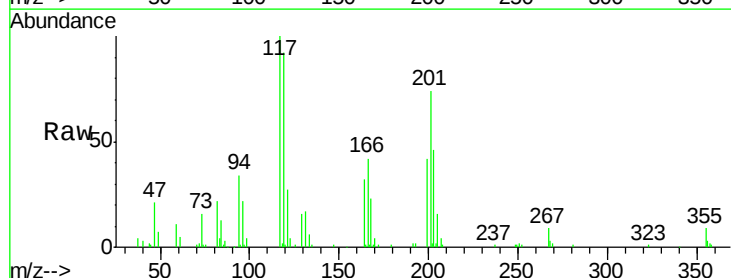
Manual Integrations
APPROVED

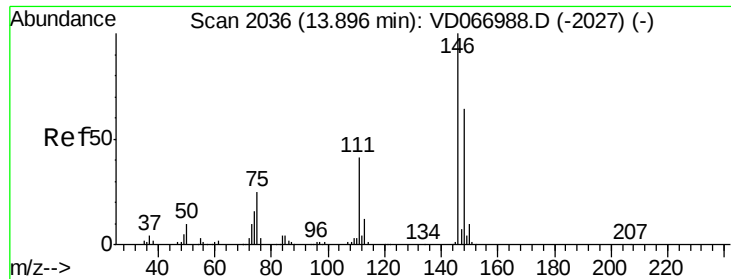
MMDadoda
10/9/2020 4:22:28 PM



#90
Hexachloroethane
Concen: 21.380 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	37.0	110.9





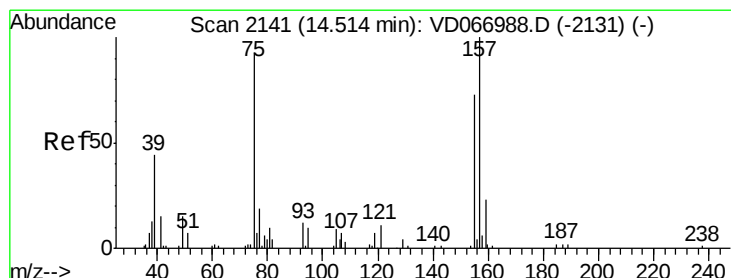
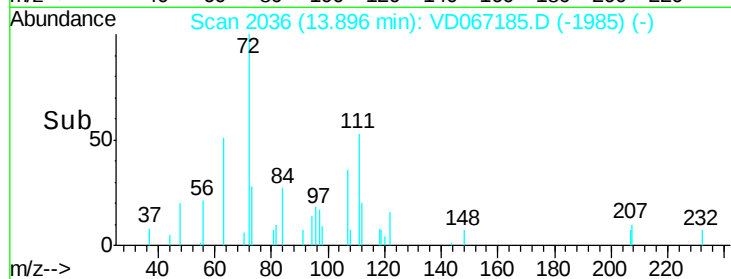
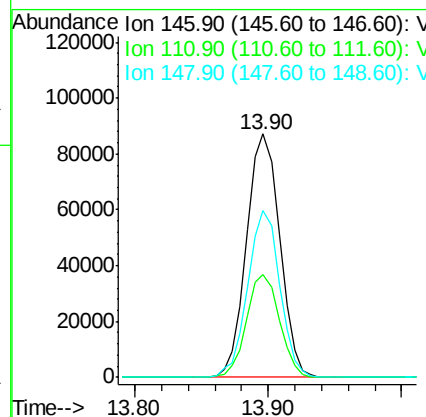
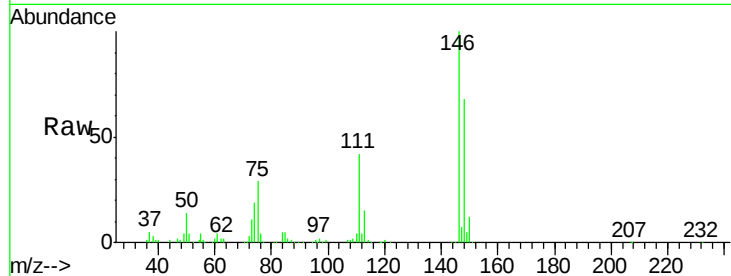
#91
 1,2-Dichlorobenzene
 Concen: 21.207 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.7
148	66.0	32.3	96.9

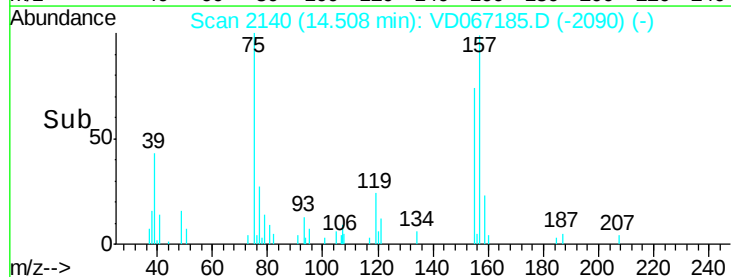
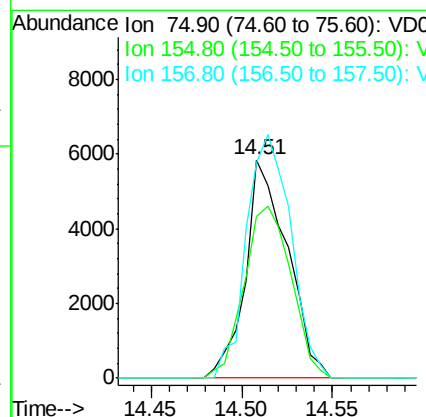
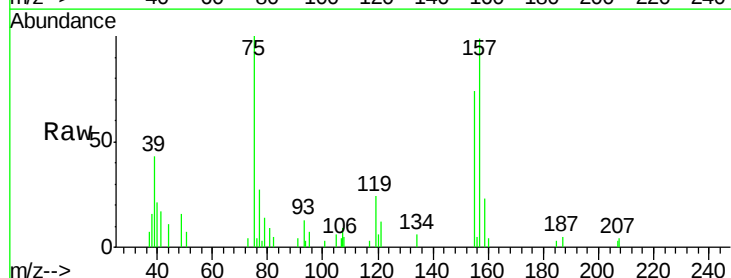
Manual Integrations
 APPROVED

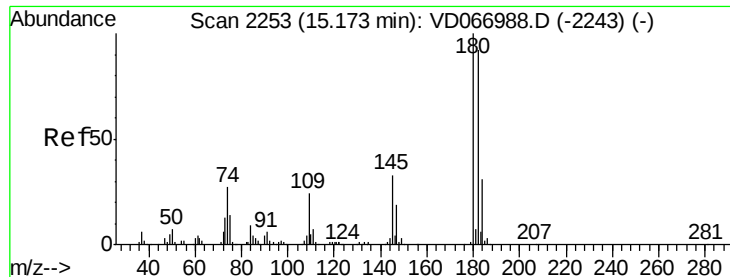
MMDadoda
 10/9/2020 4:22:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.087 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	45.2	135.6
157	118.7	56.3	168.8





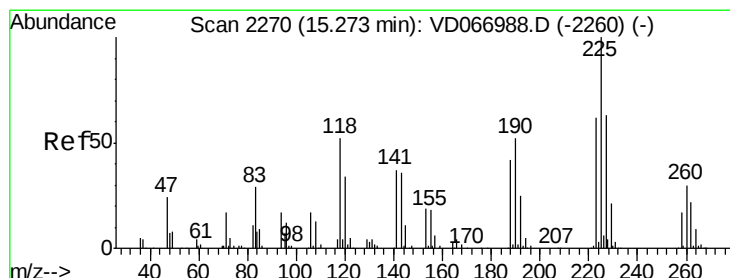
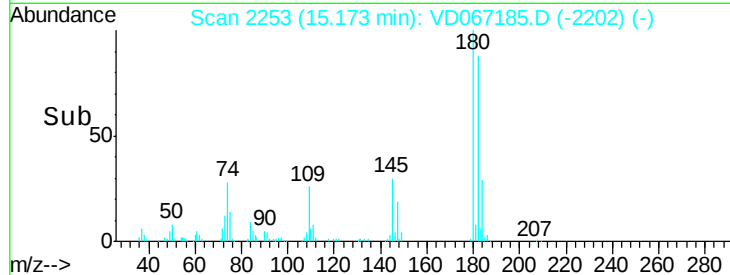
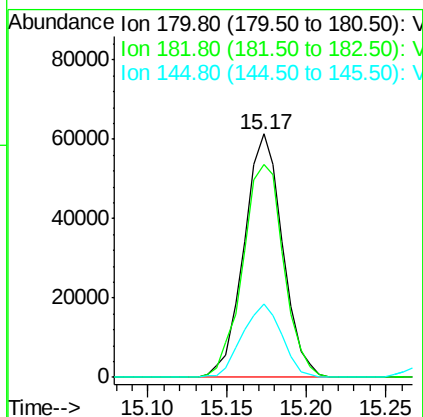
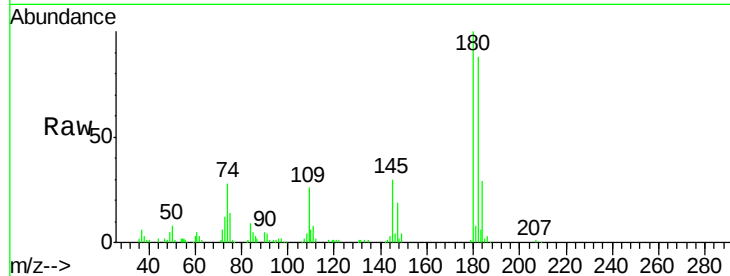
#93
 1,2,4-Trichlorobenzene
 Concen: 22.697 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.7	47.3	142.0	
145	30.9	16.4	49.1	

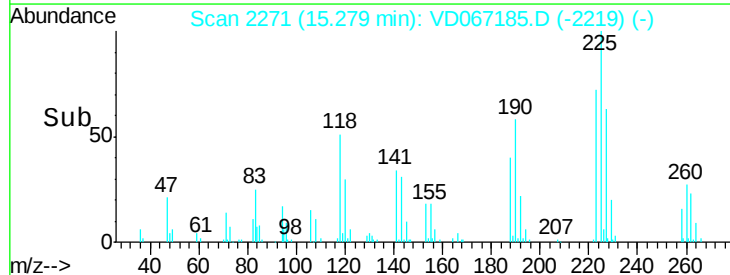
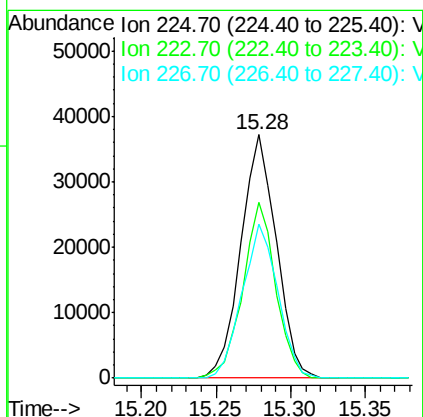
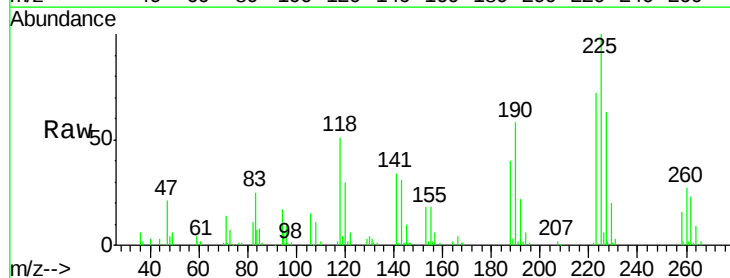
Manual Integrations
 APPROVED

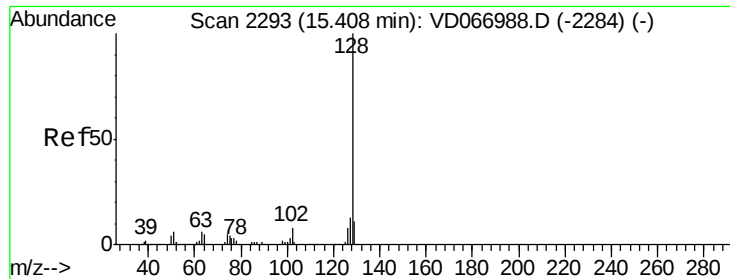
MMDadoda
 10/9/2020 4:22:28 PM



#94
 Hexachlorobutadiene
 Concen: 21.756 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067185.D
 Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.8	32.4	97.0	
227	63.6	31.6	95.0	





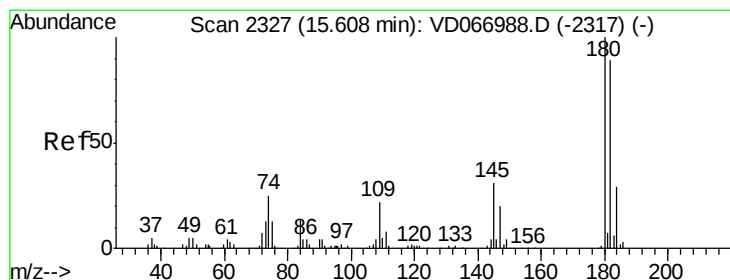
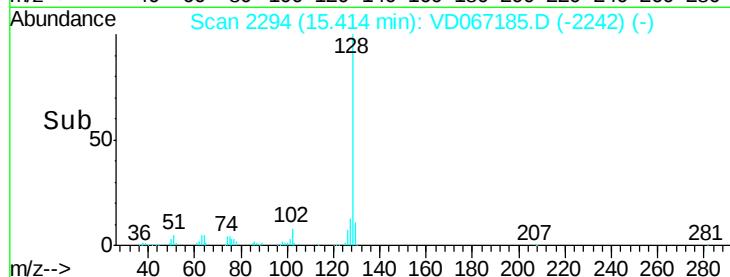
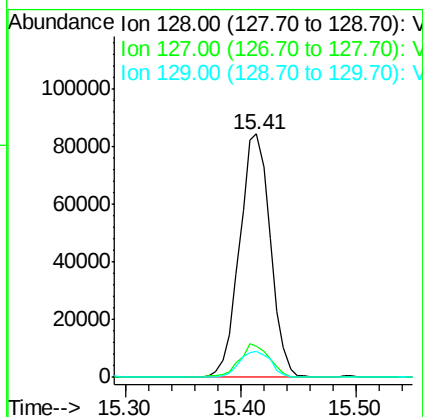
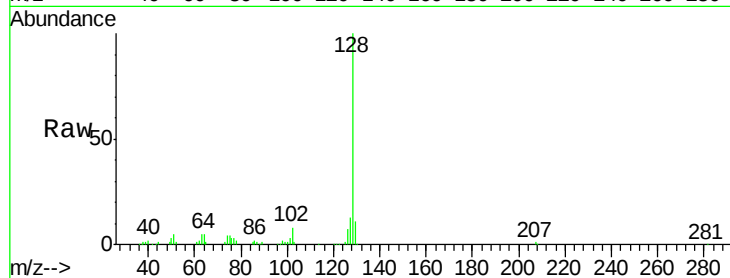
#95
Naphthalene
Concen: 20.512 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Instrument :
MSVOA_D
ClientSampleId :
VD1008SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/9/2020 4:22:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.310 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067185.D
Acq: 08 Oct 2020 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	46.4	139.1
145	34.4	16.6	49.7

