

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066432.D
 Acq On : 27 Aug 2020 13:06
 Operator : VA/SY
 Sample : VD0827SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:19:01 PM

Quant Time: Aug 27 18:07:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	171731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	243540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	221474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	120534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	100307	59.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.16%	
35) Dibromofluoromethane	7.91	113	80096	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.33	98	294103	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	12.63	95	108252	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	30682	21.015	ug/l	90
3) Chloromethane	2.21	50	18100	17.490	ug/l	97
4) Vinyl Chloride	2.35	62	21512	19.361	ug/l	95
5) Bromomethane	2.76	94	17344	20.869	ug/l	98
6) Chloroethane	2.91	64	14389	20.224	ug/l	96
7) Trichlorofluoromethane	3.27	101	66240	21.923	ug/l	96
8) Diethyl Ether	3.70	74	13472	19.900	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	29270	19.630	ug/l	96
10) Methyl Iodide	4.30	142	27112	15.942	ug/l	96
11) Tert butyl alcohol	5.19	59	19684	194.147	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	27525	19.665	ug/l	92
13) Acrolein	3.92	56	5161	69.030	ug/l	92
14) Allyl chloride	4.72	41	32361	17.322	ug/l	87
15) Acrylonitrile	5.41	53	25126	92.506	ug/l	96
16) Acetone	4.15	43	31001	102.134	ug/l	94
17) Carbon Disulfide	4.41	76	73373	17.298	ug/l	99
18) Methyl Acetate	4.72	43	9893	17.366	ug/l #	81
19) Methyl tert-butyl Ether	5.48	73	70224	20.836	ug/l	100
20) Methylene Chloride	4.96	84	35563	17.854	ug/l #	87
21) trans-1,2-Dichloroethene	5.46	96	30293	18.593	ug/l	96
22) Diisopropyl ether	6.36	45	64671	17.879	ug/l	94
23) Vinyl Acetate	6.30	43	207275	92.567	ug/l	95
24) 1,1-Dichloroethane	6.26	63	46403	18.154	ug/l	96
25) 2-Butanone	7.21	43	32589	94.574	ug/l #	87
26) 2,2-Dichloropropane	7.20	77	58927	21.509	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	33225	19.032	ug/l	96
28) Bromochloromethane	7.54	49	14336	16.282	ug/l	87
29) Tetrahydrofuran	7.56	42	17416	88.984	ug/l	92
30) Chloroform	7.70	83	61008	20.629	ug/l	97
31) Cyclohexane	7.98	56	40949	17.516	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	64781	21.403	ug/l	98
36) 1,1-Dichloropropene	8.11	75	42283	19.028	ug/l	98
37) Ethyl Acetate	7.29	43	13236	17.513	ug/l #	93
38) Carbon Tetrachloride	8.09	117	62346	21.535	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066432.D
 Acq On : 27 Aug 2020 13:06
 Operator : VA/SY
 Sample : VD0827SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0827SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2020 3:19:01 PM

Quant Time: Aug 27 18:07:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	47134	18.006	ug/l	90
40) Benzene	8.34	78	110980	18.985	ug/l	96
41) Methacrylonitrile	7.52	41	6507	13.961	ug/l #	71
42) 1,2-Dichloroethane	8.42	62	46322	22.499	ug/l	98
43) Isopropyl Acetate	8.44	43	28410	18.728	ug/l	93
44) Trichloroethene	9.11	130	37372	19.675	ug/l	90
45) 1,2-Dichloropropane	9.38	63	22742	17.160	ug/l #	87
46) Dibromomethane	9.47	93	17124	20.753	ug/l	96
47) Bromodichloromethane	9.66	83	48797	21.504	ug/l #	97
48) Methyl methacrylate	9.46	41	14875	19.016	ug/l	89
49) 1,4-Dioxane	9.45	88	3402	355.071	ug/l	93
51) 4-Methyl-2-Pentanone	10.22	43	70434	95.979	ug/l	98
52) Toluene	10.40	92	80131	20.233	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	44295	20.572	ug/l #	87
54) cis-1,3-Dichloropropene	10.08	75	48605	20.111	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	22342	20.001	ug/l #	91
56) Ethyl methacrylate	10.66	69	25666	19.848	ug/l	95
57) 1,3-Dichloropropane	10.94	76	36666	19.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	54795	102.026	ug/l	96
59) 2-Hexanone	10.98	43	48707	94.096	ug/l	97
60) Dibromochloromethane	11.14	129	35308	20.970	ug/l	100
61) 1,2-Dibromoethane	11.24	107	22178	20.175	ug/l	98
64) Tetrachloroethene	10.87	164	33657	20.033	ug/l	93
65) Chlorobenzene	11.67	112	91619	20.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	37201	20.659	ug/l	100
67) Ethyl Benzene	11.74	91	160255	20.662	ug/l	94
68) m/p-Xylenes	11.85	106	124154	41.997	ug/l	99
69) o-Xylene	12.18	106	56344	20.487	ug/l	97
70) Styrene	12.20	104	100982	21.384	ug/l	97
71) Bromoform	12.36	173	21568	21.112	ug/l #	98
73) Isopropylbenzene	12.48	105	159757	19.785	ug/l	99
74) N-amyl acetate	12.29	43	26540	18.199	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	21743	18.850	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	19246m	22.697	ug/l	
77) Bromobenzene	12.76	156	42962	20.963	ug/l	94
78) n-propylbenzene	12.82	91	181790	19.636	ug/l	97
79) 2-Chlorotoluene	12.91	91	105153	19.886	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	141920	20.357	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	7309	18.296	ug/l	87
82) 4-Chlorotoluene	13.01	91	113672	20.291	ug/l	99
83) tert-Butylbenzene	13.23	119	121825	20.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	143046	20.890	ug/l	98
85) sec-Butylbenzene	13.40	105	156666	19.746	ug/l	98
86) p-Isopropyltoluene	13.52	119	159303	20.823	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	79081	20.672	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	80531	20.965	ug/l	98
89) n-Butylbenzene	13.84	91	130209	19.288	ug/l	97
90) Hexachloroethane	14.12	117	29784	19.709	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	66791	20.281	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5125	21.184	ug/l	87

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082720\
Data File : VD066432.D
Acq On : 27 Aug 2020 13:06
Operator : VA/SY
Sample : VD0827SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

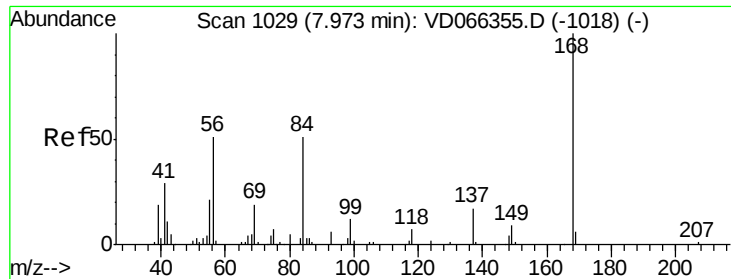
Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM

Quant Time: Aug 27 18:07:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53746	20.904	ug/l	98
94) Hexachlorobutadiene	15.27	225	32906	20.595	ug/l	96
95) Naphthalene	15.41	128	82087	20.328	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	44851	20.364	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:168 Resp: 171731

Ion Ratio Lower Upper

168 100

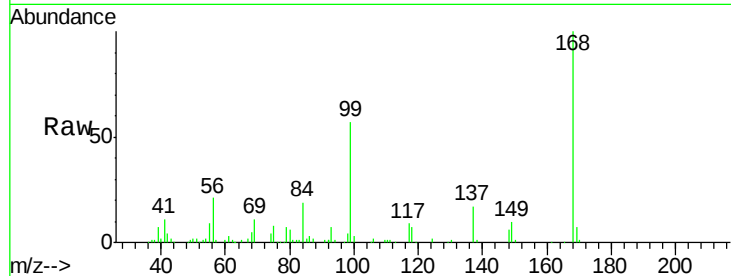
99 57.0 45.4 68.0

Manual Integrations

APPROVED

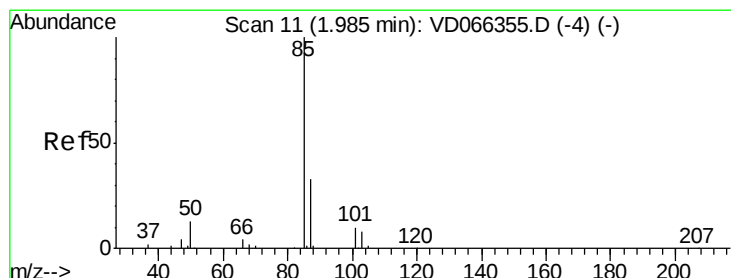
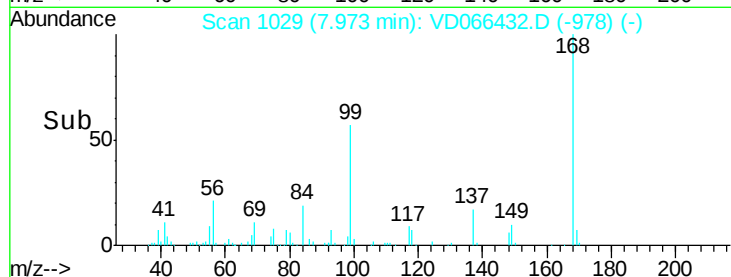
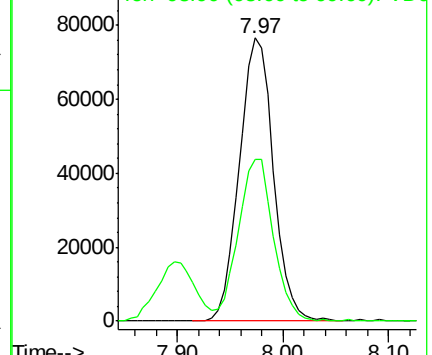
MMDadoda

8/28/2020 3:19:01 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.015 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066432.D

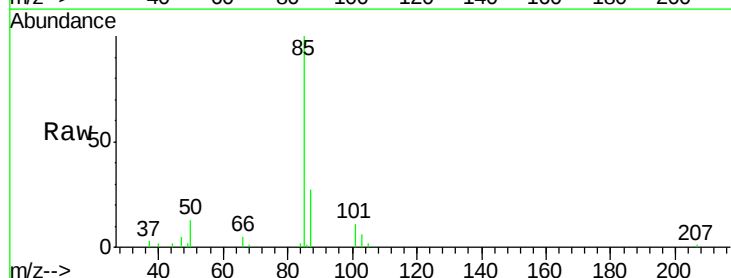
Acq: 27 Aug 2020 13:06

Tgt Ion: 85 Resp: 30682

Ion Ratio Lower Upper

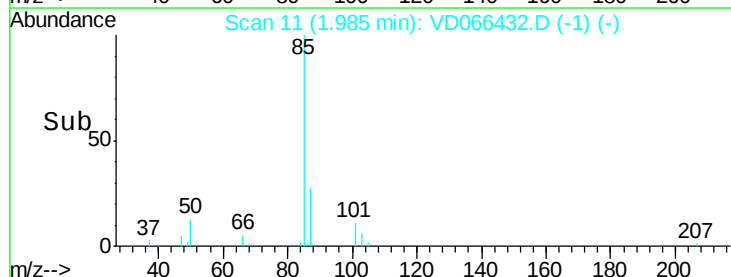
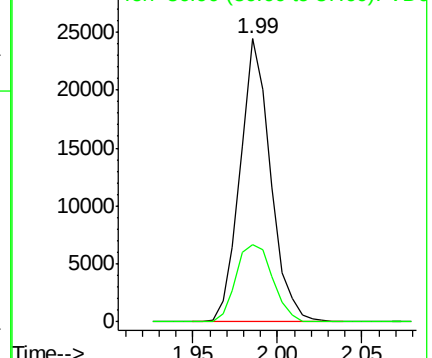
85 100

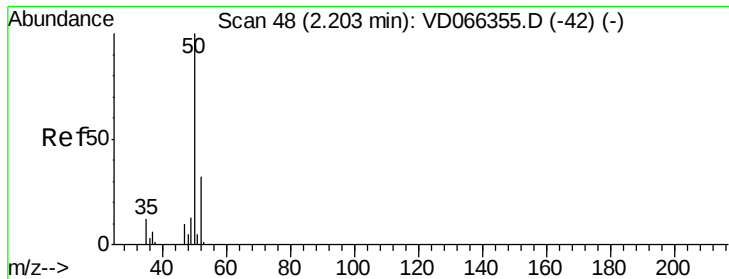
87 27.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.490 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBSD01

Tot Ion: 50 Resp: 18100

Ion Ratio Lower Upper

50 100

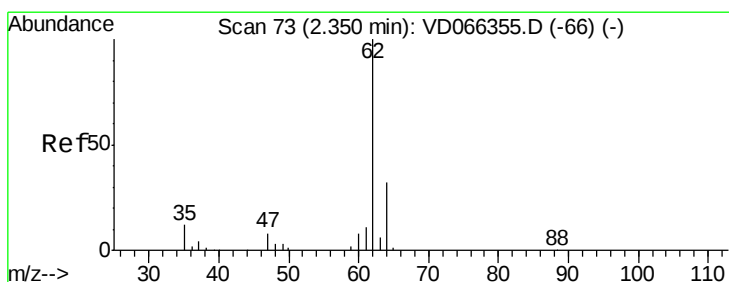
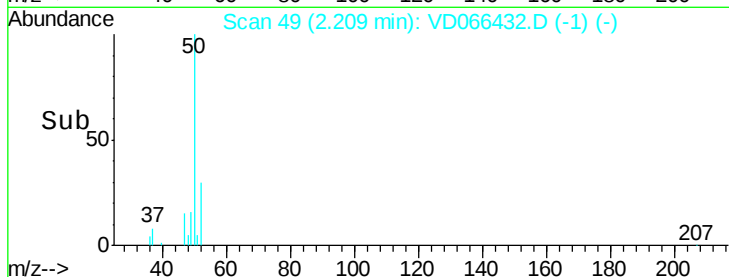
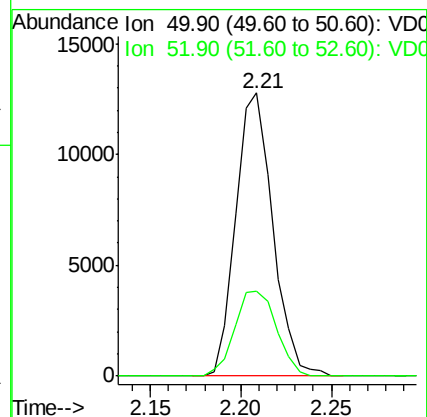
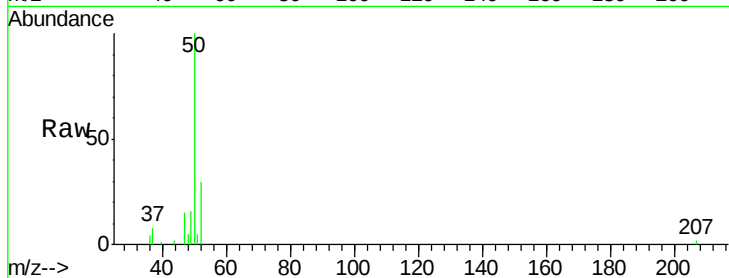
52 30.2 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:19:01 PM



#4

Vinyl Chloride

Concen: 19.361 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066432.D

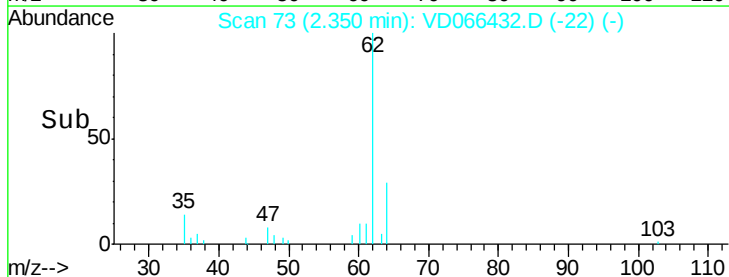
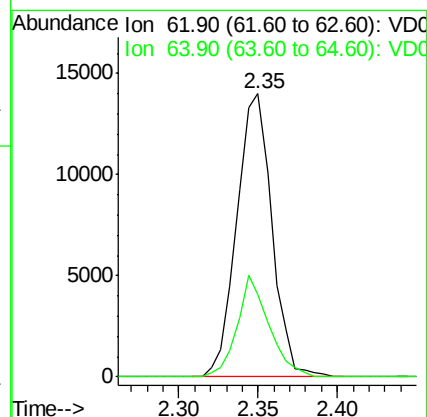
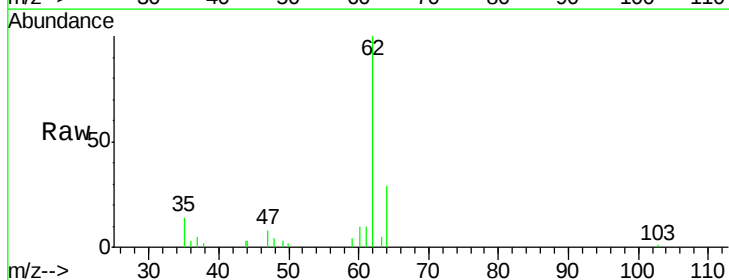
Acq: 27 Aug 2020 13:06

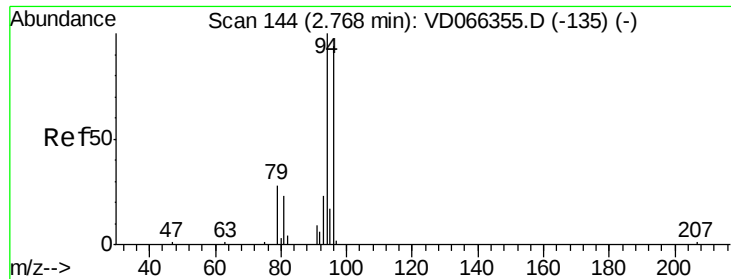
Tgt Ion: 62 Resp: 21512

Ion Ratio Lower Upper

62 100

64 29.2 25.4 38.2





#5

Bromomethane

Concen: 20.869 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 94 Resp: 17344

Ion Ratio Lower Upper

94 100

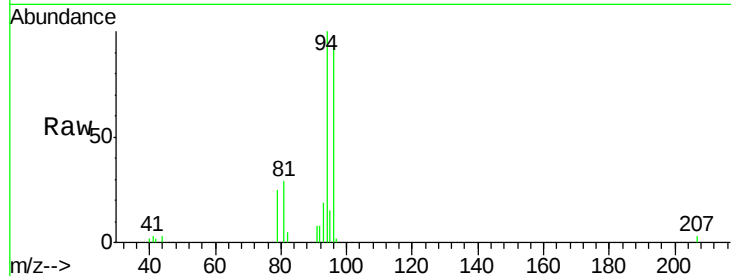
96 91.7 75.0 112.4

Manual Integrations

APPROVED

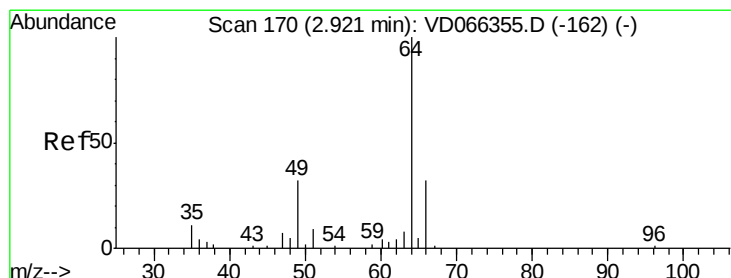
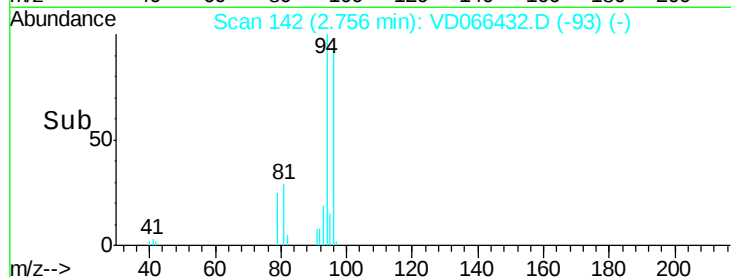
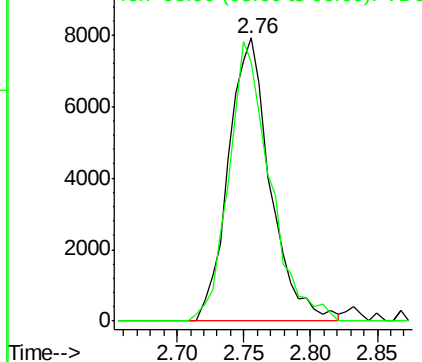
MMDadoda

8/28/2020 3:19:01 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.224 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066432.D

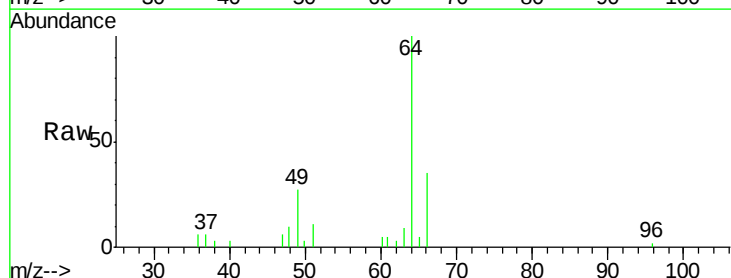
Acq: 27 Aug 2020 13:06

Tgt Ion: 64 Resp: 14389

Ion Ratio Lower Upper

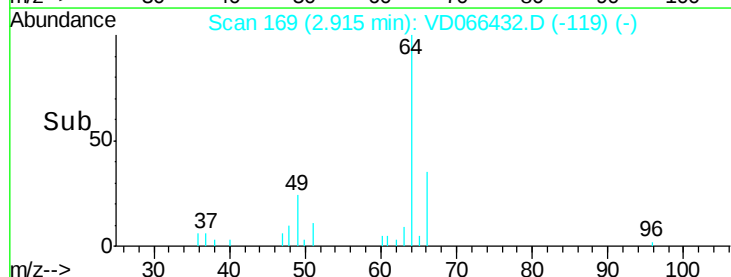
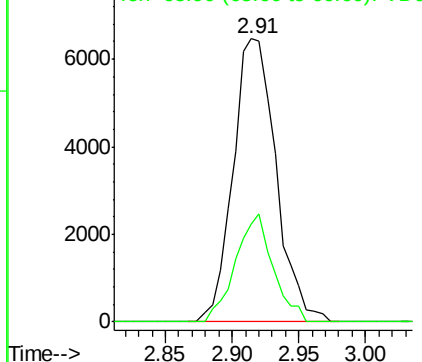
64 100

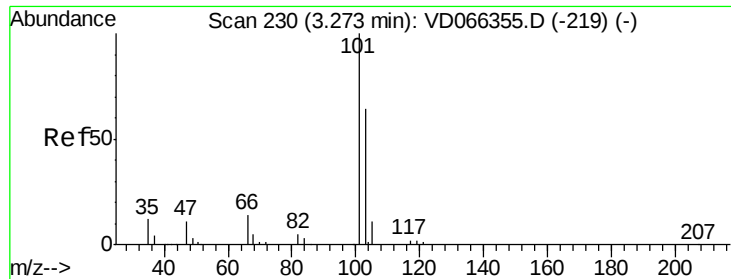
66 34.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

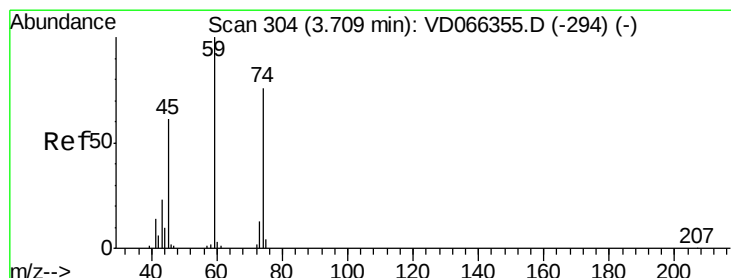
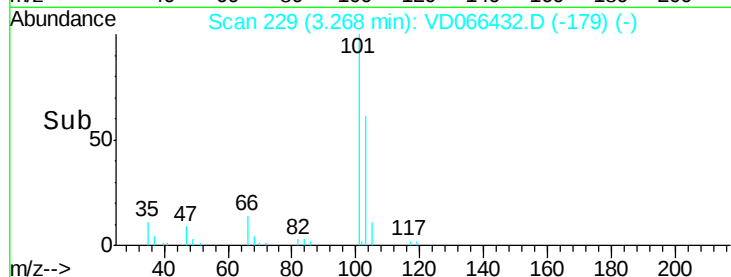
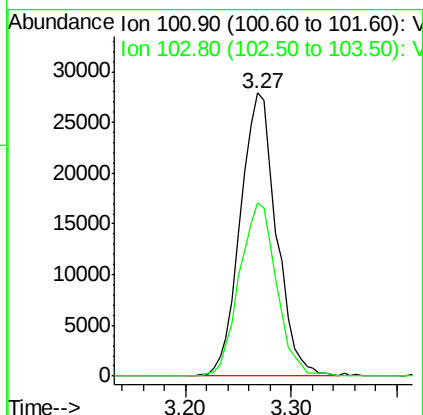
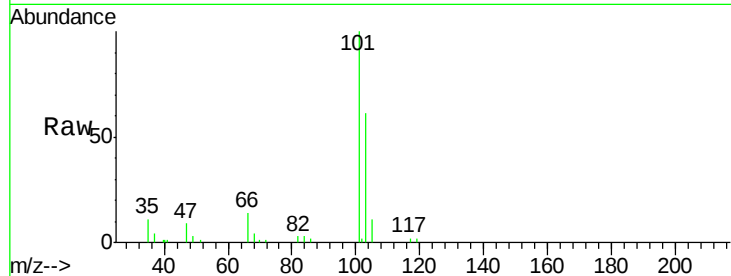
Trichlorofluoromethane
Concen: 21.923 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		66240		
103	61.1	51.4	77.0		

Manual Integrations
APPROVED

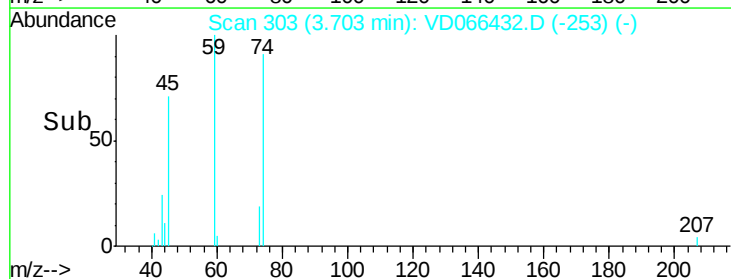
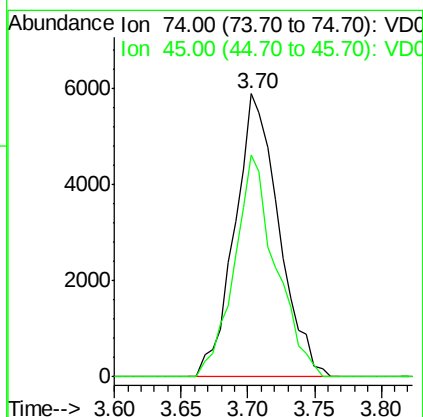
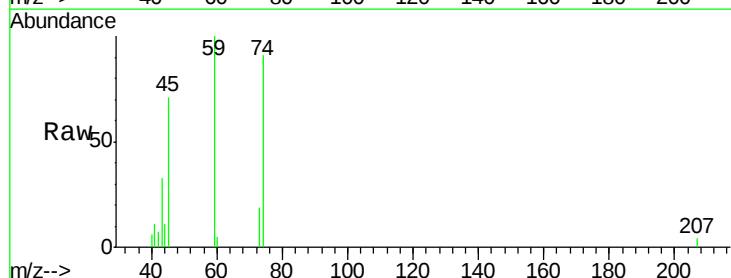
MMDadoda
8/28/2020 3:19:01 PM

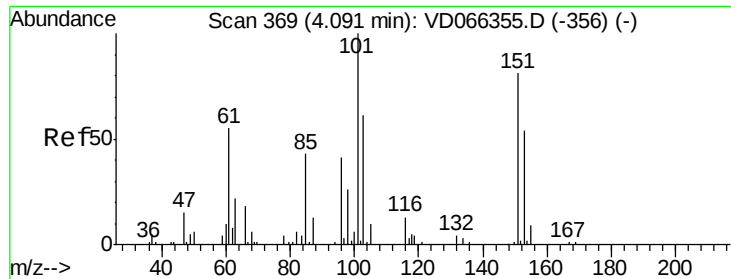


#8

Diethyl Ether
Concen: 19.900 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		13472		
45	73.8	42.8	128.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.630 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

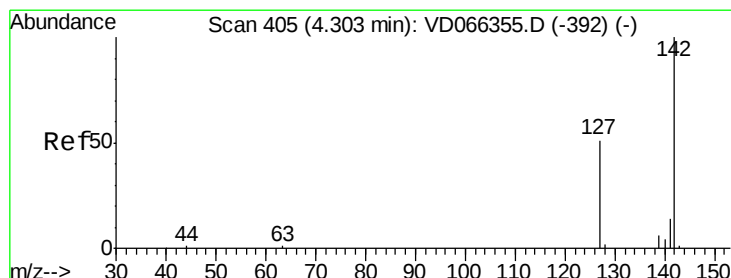
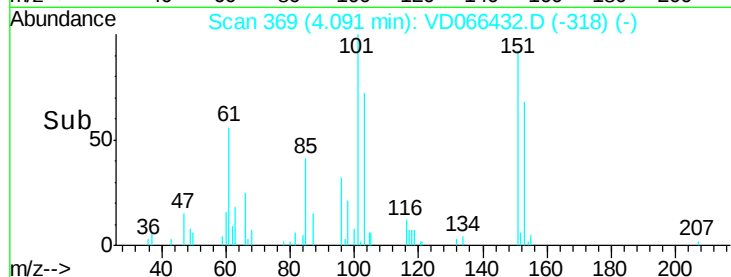
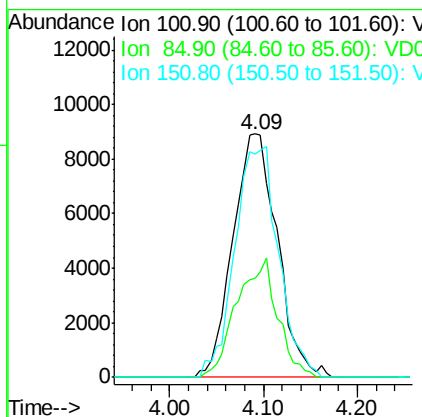
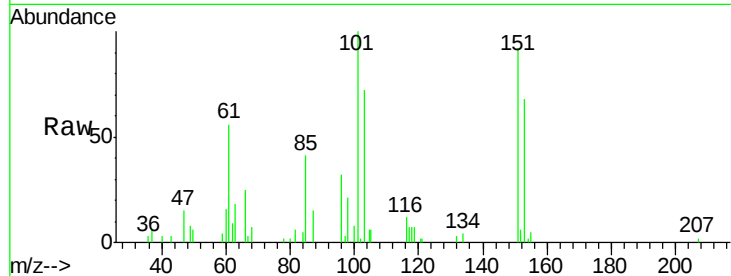
ClientSampleId :

VD0827SBS01

Tot Ion:	101	Resp:	29270
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.4	54.6
151	93.0	70.5	105.7

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#10

Methyl Iodide

Concen: 15.942 ug/l

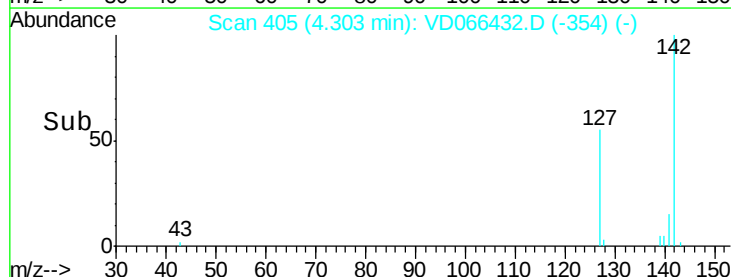
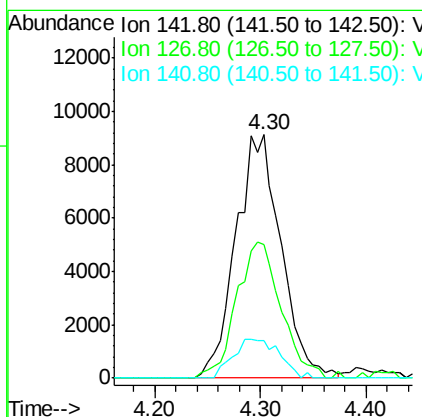
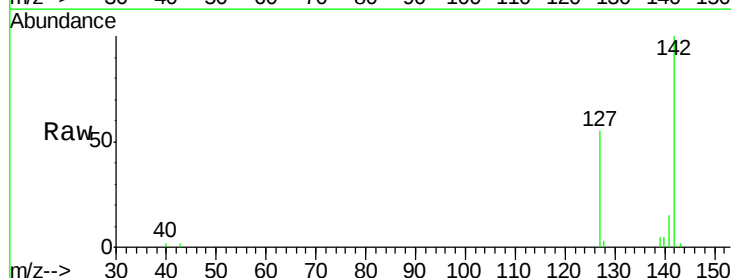
RT: 4.30 min Scan# 405

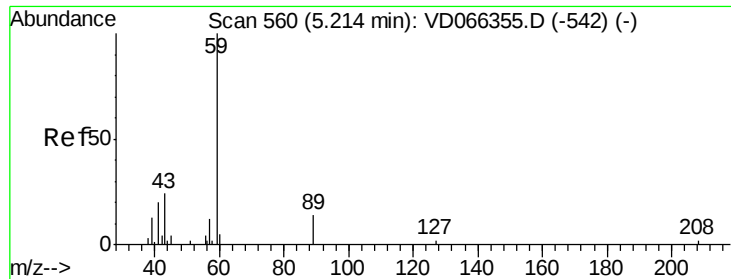
Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	142	Resp:	27112
Ion Ratio	Lower	Upper	
142	100		
127	54.9	41.8	62.8
141	16.3	11.8	17.6





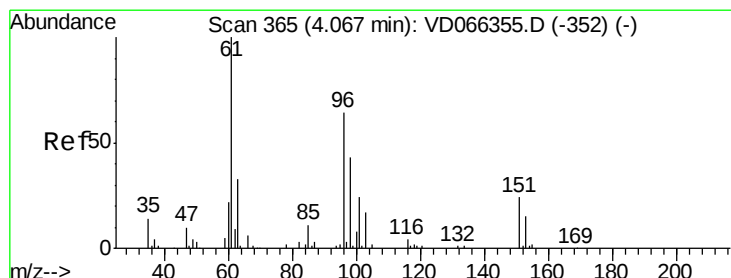
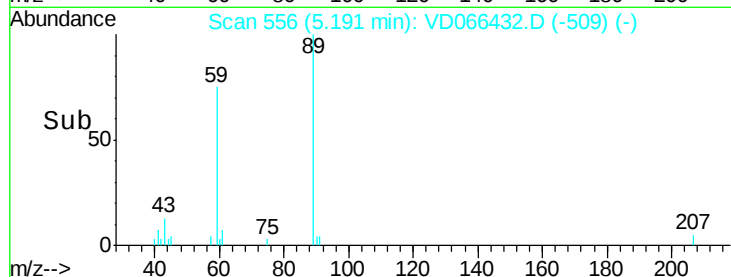
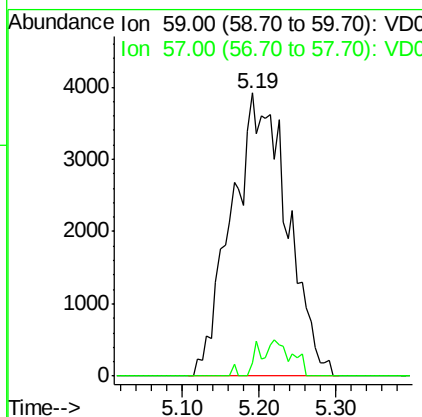
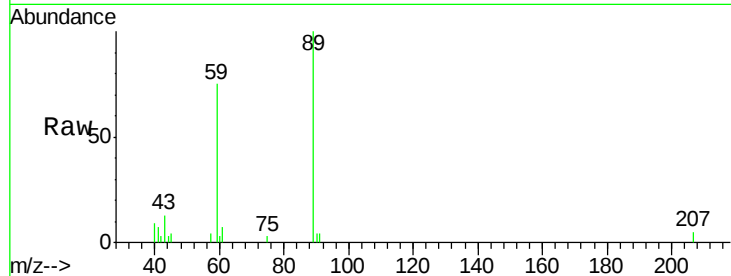
#11
Tert butyl alcohol
Concen: 194.147 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.02 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion: 59 Resp: 19684
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

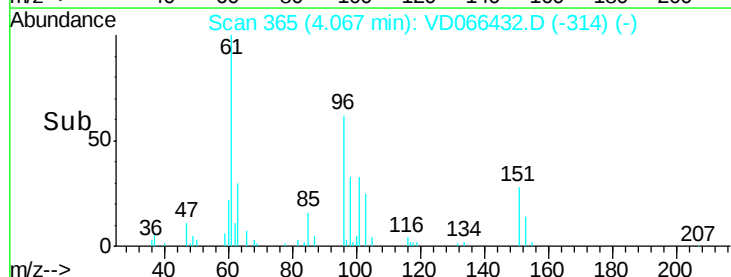
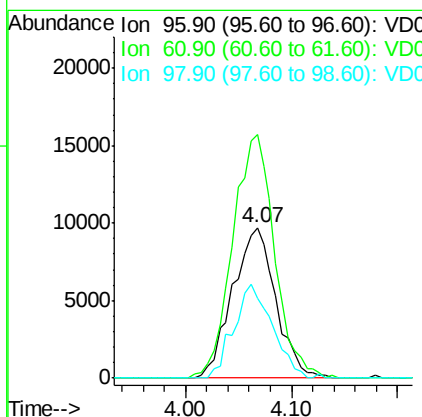
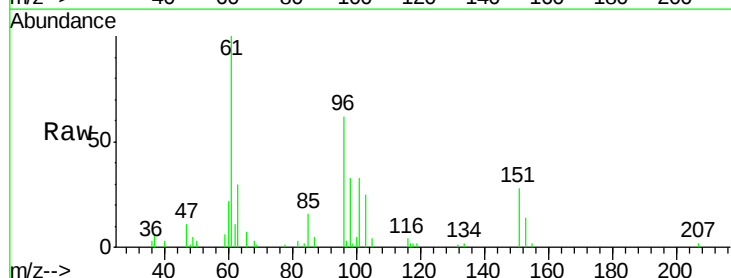
Manual Integrations
APPROVED

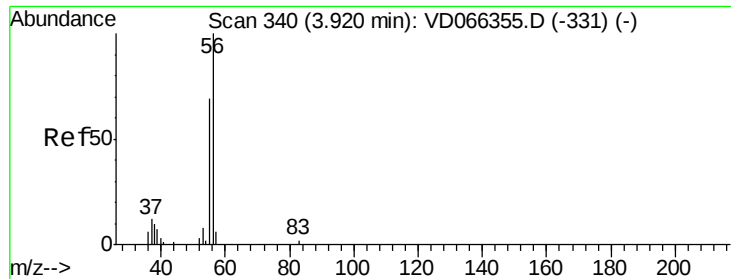
MMDadoda
8/28/2020 3:19:01 PM



#12
1,1-Dichloroethene
Concen: 19.665 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion: 96 Resp: 27525
Ion Ratio Lower Upper
96 100
61 161.7 124.3 186.5
98 53.2 53.2 79.8





#13

Acrolein

Concen: 69.030 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 56 Resp: 5161

Ion Ratio Lower Upper

56 100

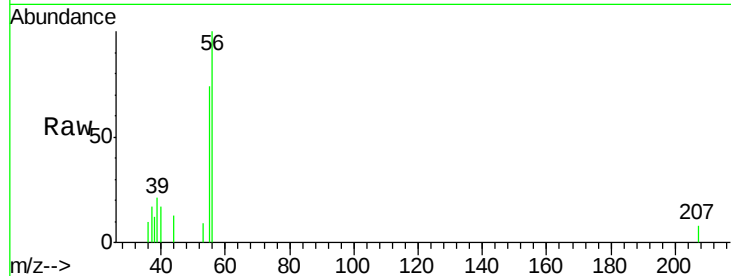
55 76.2 55.5 83.3

Manual Integrations

APPROVED

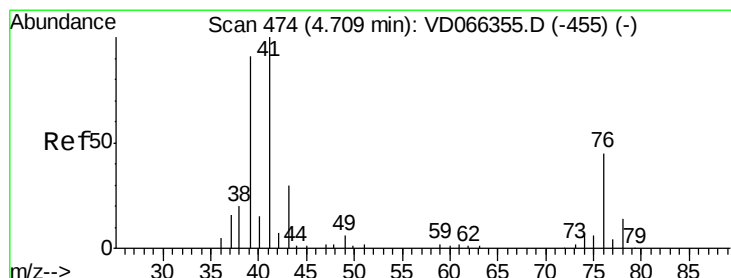
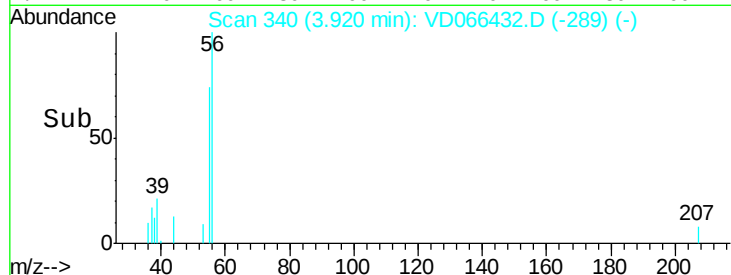
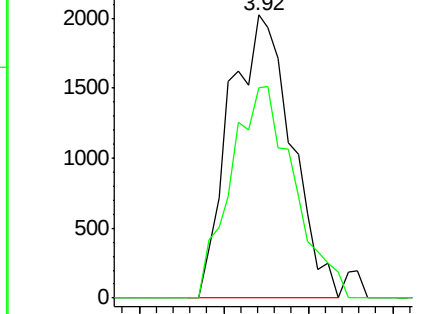
MMDadoda

8/28/2020 3:19:01 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.322 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

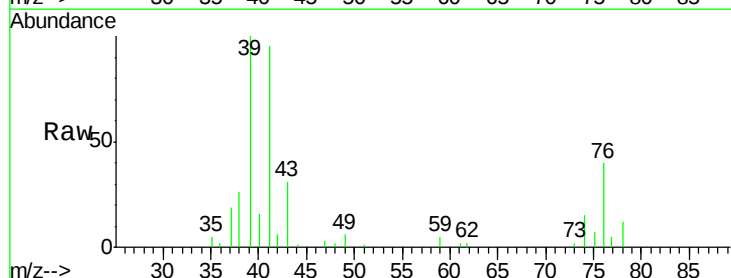
Tgt Ion: 41 Resp: 32361

Ion Ratio Lower Upper

41 100

39 108.1 72.8 109.2

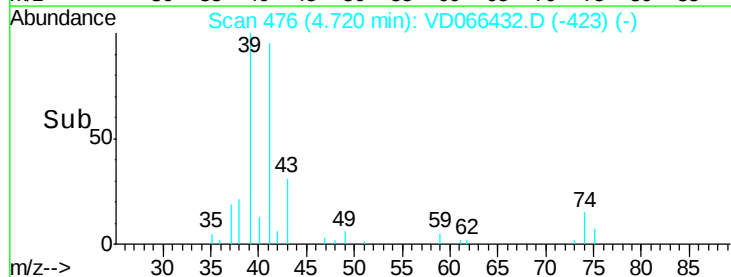
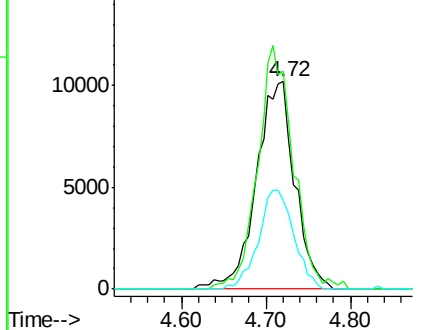
76 43.7 34.0 51.0

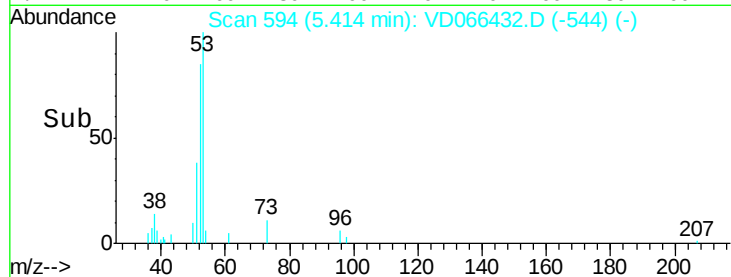
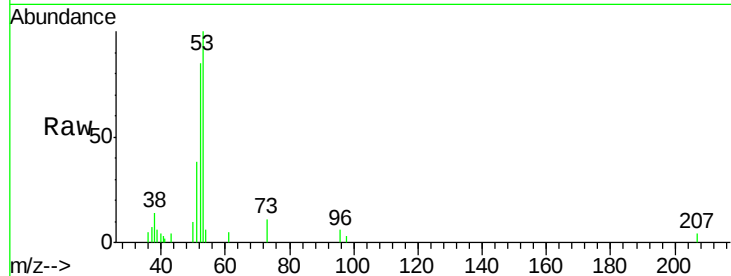
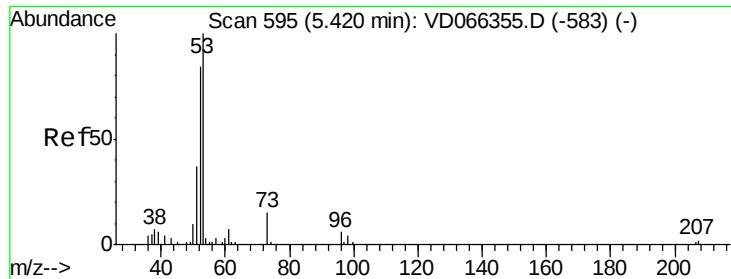


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 92.506 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tot Ion:	53	Resp:	25126
Ion Ratio	Lower	Upper	
53	100		
52	88.8	68.1	102.1
51	43.9	33.8	50.6

Instrument :

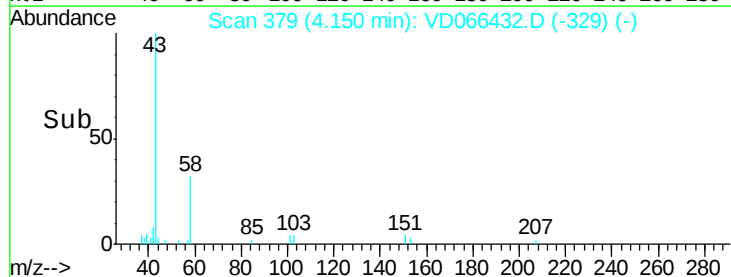
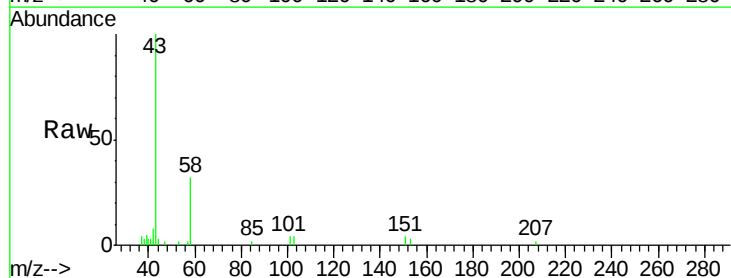
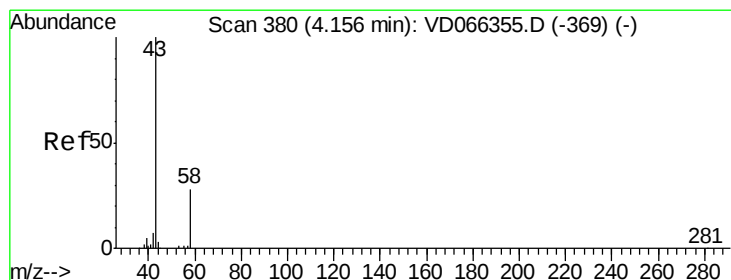
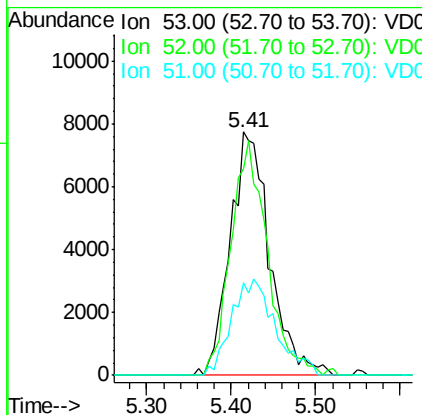
MSVOA_D

ClientSampleId :

VD0827SBS01

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#16

Acetone

Concen: 102.134 ug/l

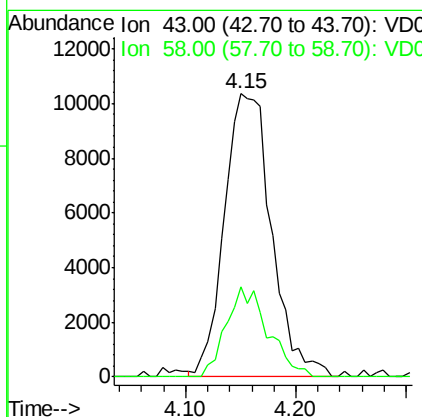
RT: 4.15 min Scan# 379

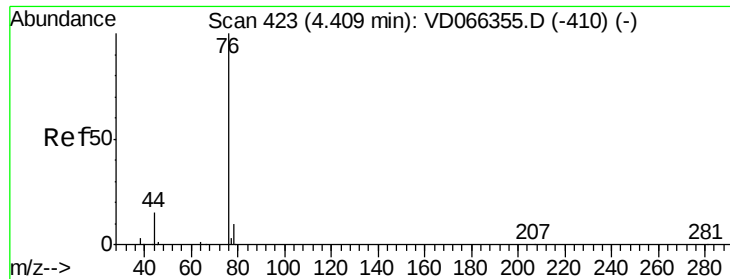
Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	43	Resp:	31001
Ion Ratio	Lower	Upper	
43	100		
58	31.6	22.7	34.1





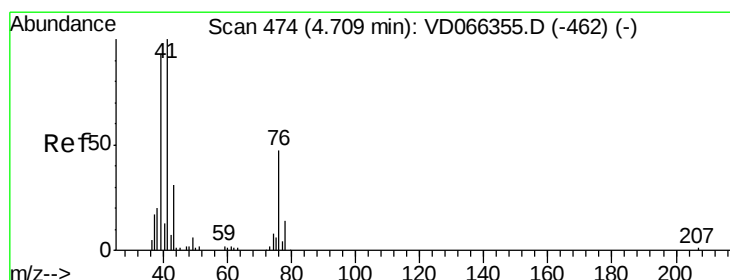
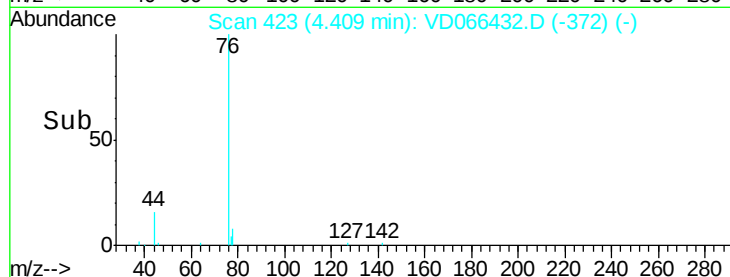
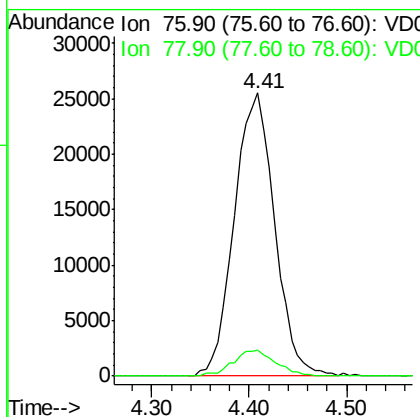
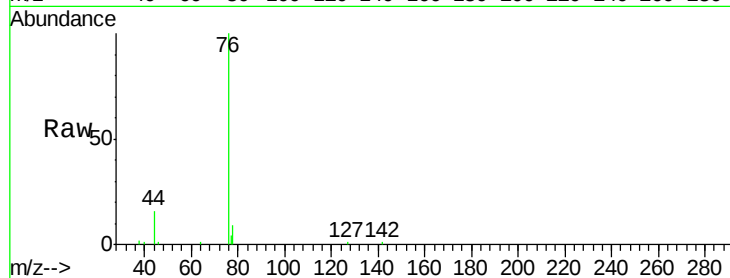
#17
Carbon Disulfide
Concen: 17.298 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion: 76 Resp: 73373
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5

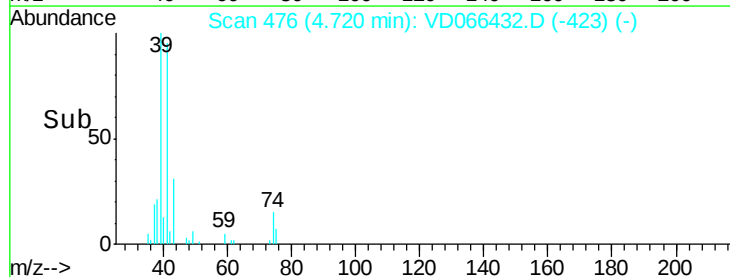
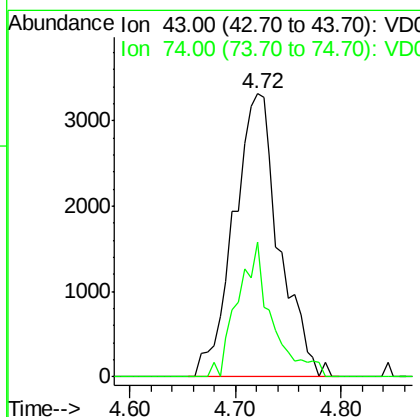
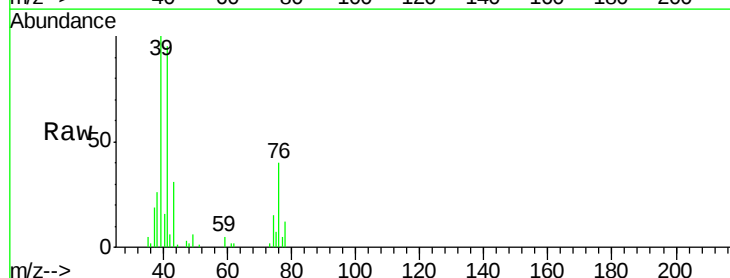
Manual Integrations
APPROVED

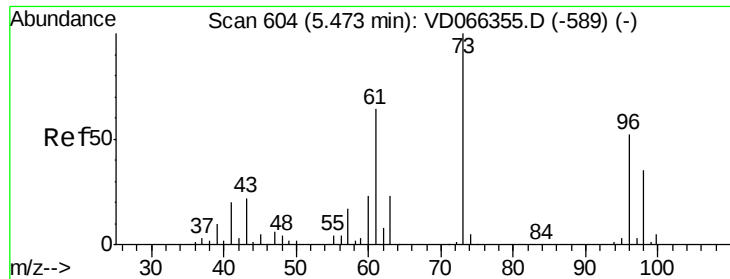
MMDadoda
8/28/2020 3:19:01 PM



#18
Methyl Acetate
Concen: 17.366 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion: 43 Resp: 9893
Ion Ratio Lower Upper
43 100
74 35.8 21.0 31.6#





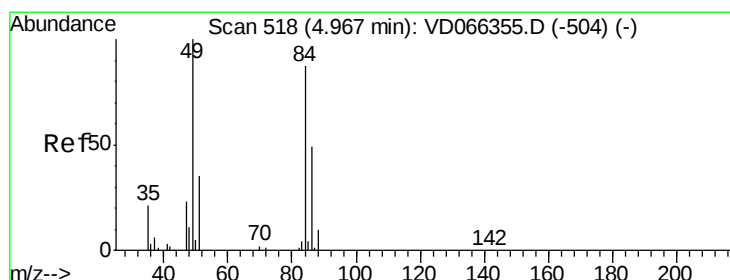
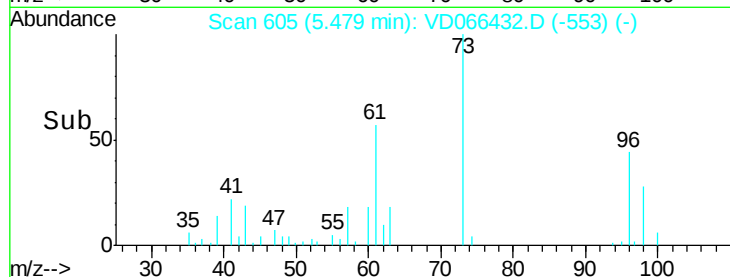
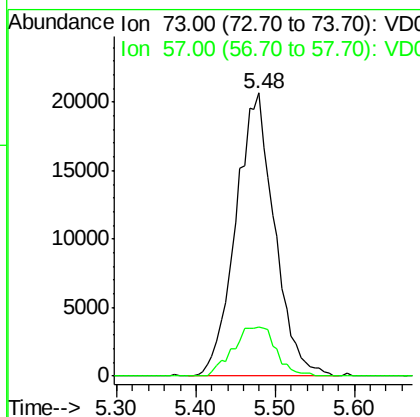
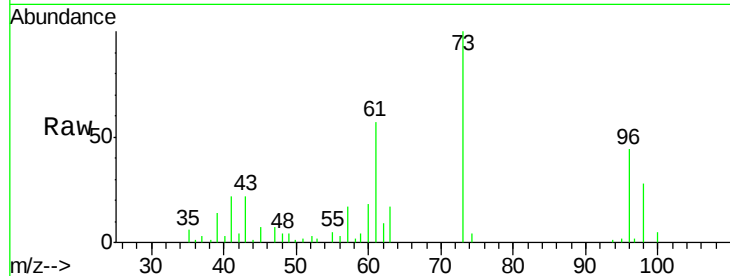
#19
Methyl tert-butyl Ether
Concen: 20.836 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 73 Resp: 70224
Ion Ratio Lower Upper
73 100
57 17.3 13.8 20.6

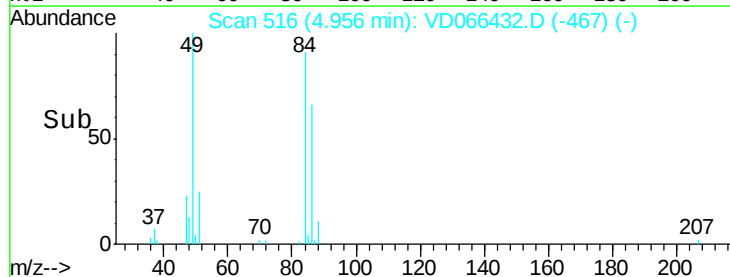
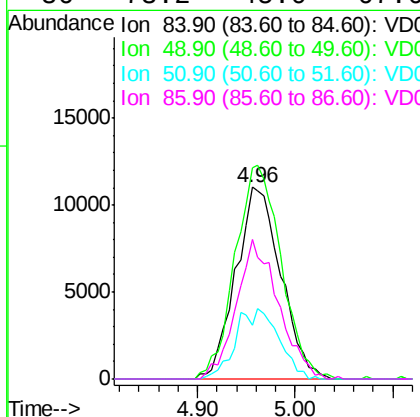
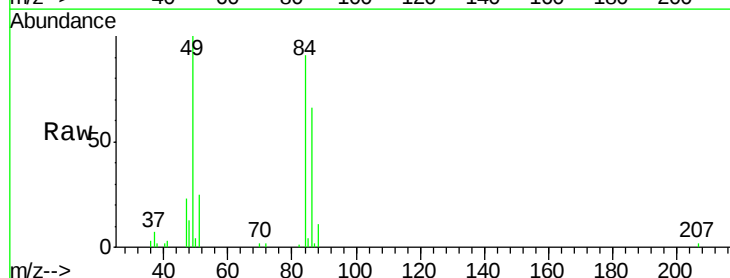
Manual Integrations
APPROVED

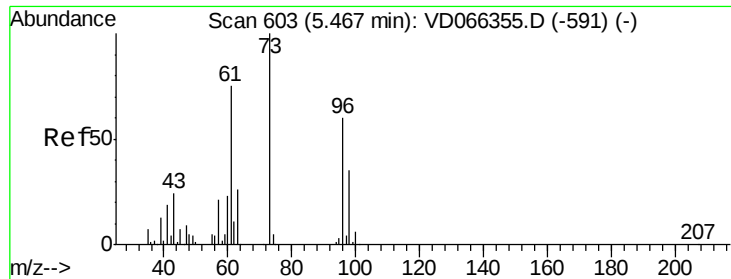
MMDadoda
8/28/2020 3:19:01 PM



#20
Methylene Chloride
Concen: 17.854 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion: 84 Resp: 35563
Ion Ratio Lower Upper
84 100
49 110.1 92.5 138.7
51 27.8 32.5 48.7#
86 73.2 45.0 67.6#





#21

trans-1,2-Dichloroethene

Concen: 18.593 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBSD01

Tot Ion: 96 Resp: 30293

Ion Ratio Lower Upper

96 100

61 129.2 101.1 151.7

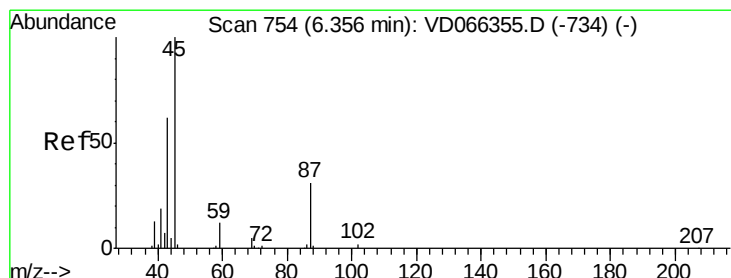
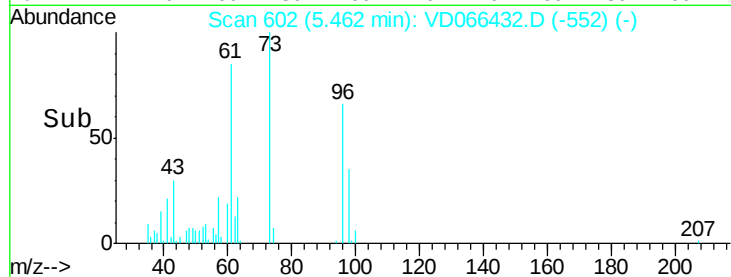
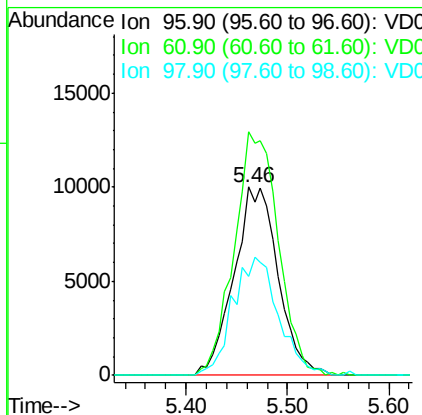
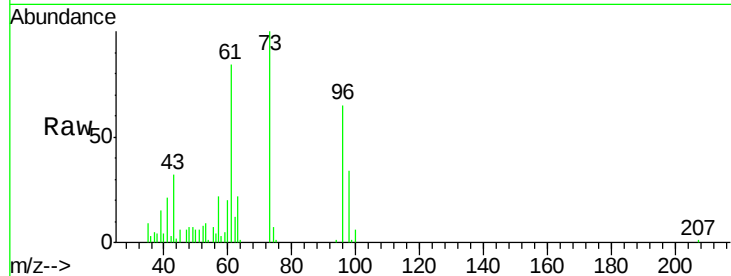
98 52.3 47.0 70.6

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:19:01 PM



#22

Diisopropyl ether

Concen: 17.879 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion: 45 Resp: 64671

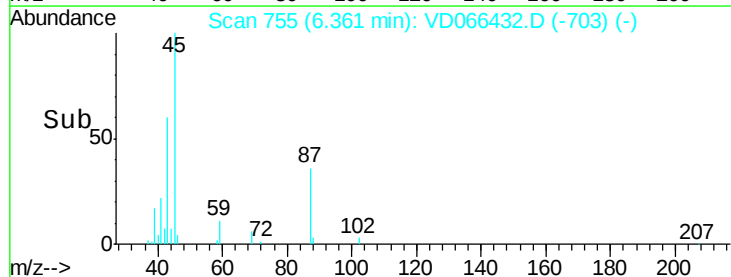
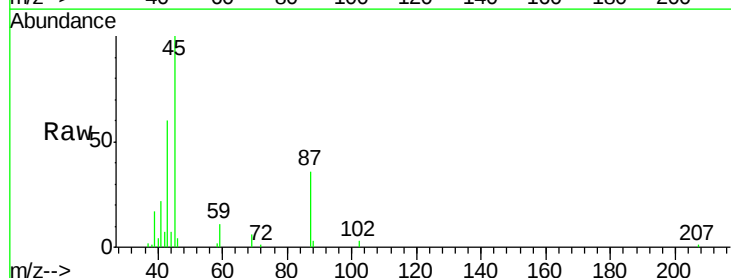
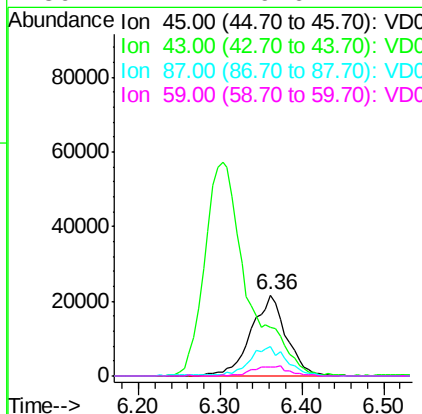
Ion Ratio Lower Upper

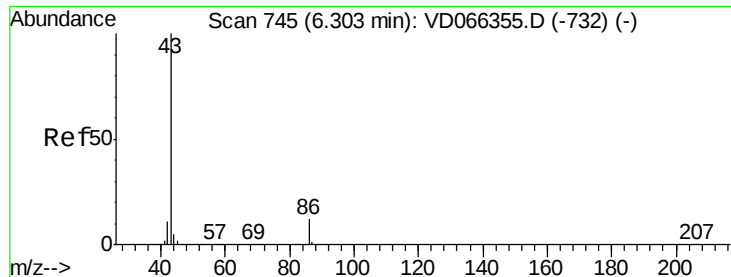
45 100

43 58.0 49.8 74.8

87 35.7 25.0 37.6

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 92.567 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 207275

Ion Ratio Lower Upper

43 100

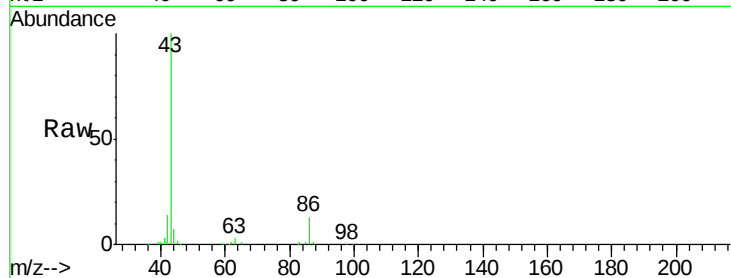
86 13.5 9.4 14.0

Manual Integrations

APPROVED

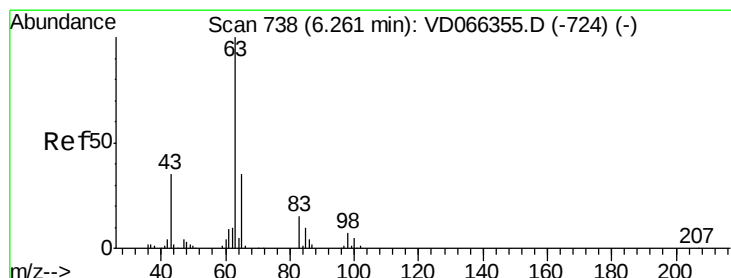
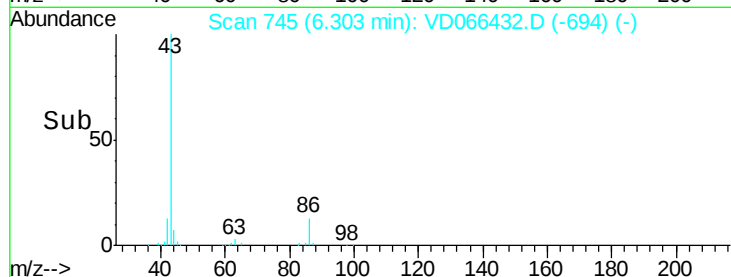
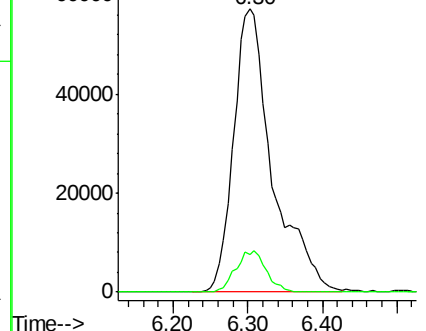
MMDadoda

8/28/2020 3:19:01 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: 18.154 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

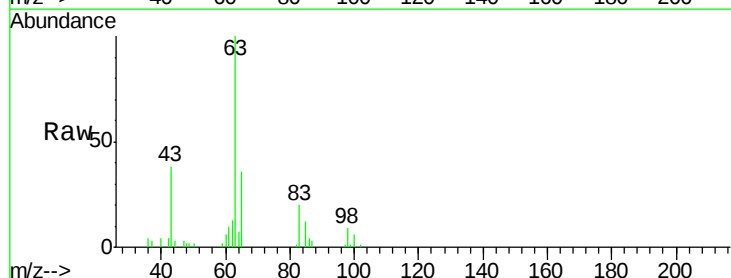
Tgt Ion: 63 Resp: 46403

Ion Ratio Lower Upper

63 100

98 8.9 3.5 10.6

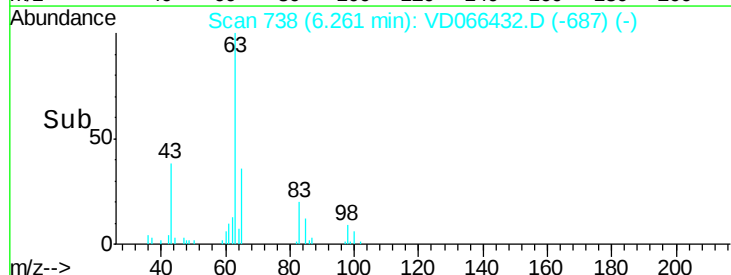
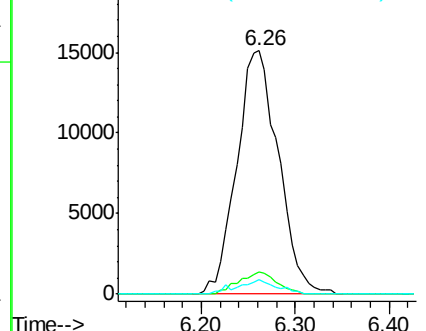
100 6.2 2.5 7.6



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: 94.574 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 32589

Ion Ratio Lower Upper

43 100

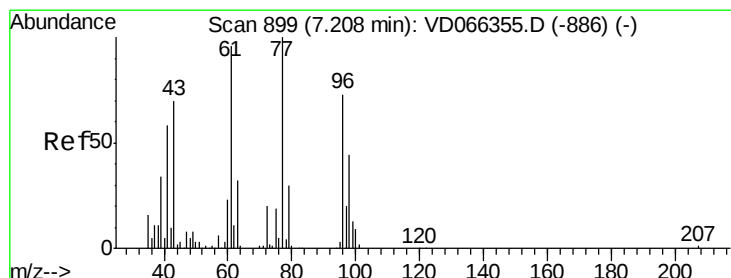
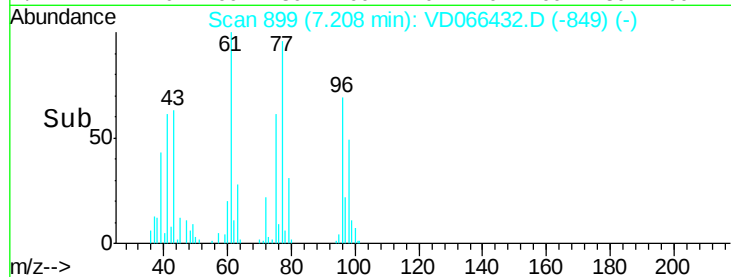
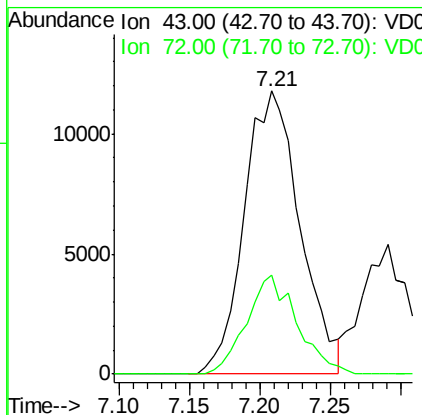
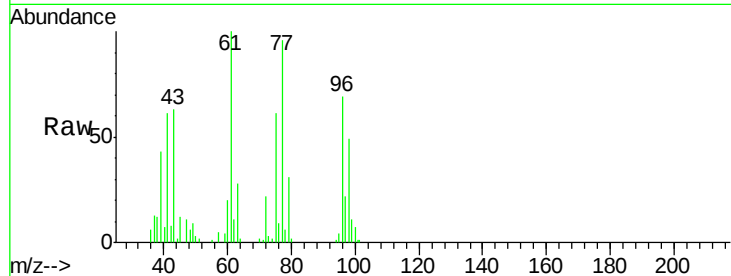
72 35.2 22.5 33.7#

Manual Integrations

APPROVED

MMDadoda

8/28/2020 3:19:01 PM



#26

2,2-Dichloropropane

Concen: 21.509 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066432.D

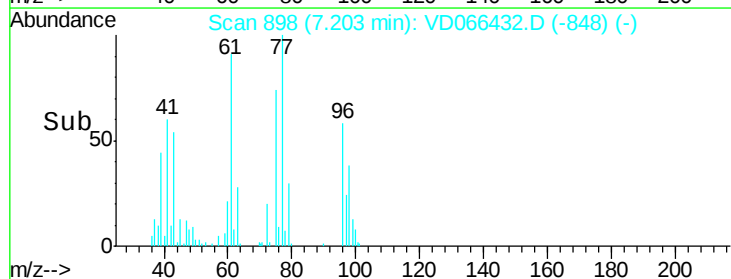
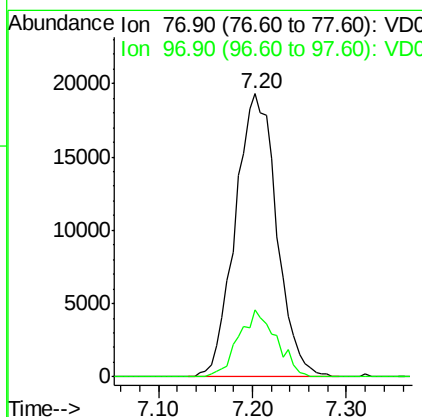
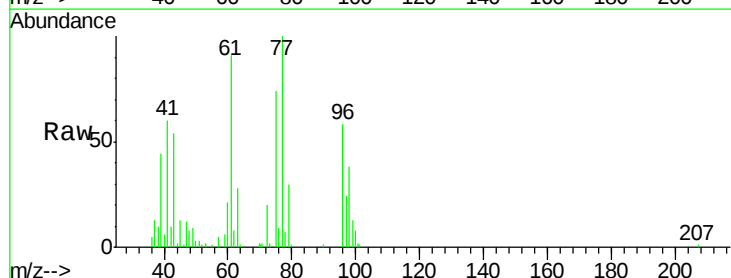
Acq: 27 Aug 2020 13:06

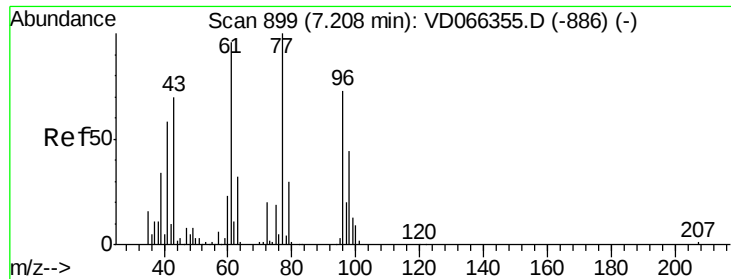
Tgt Ion: 77 Resp: 58927

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9





#27

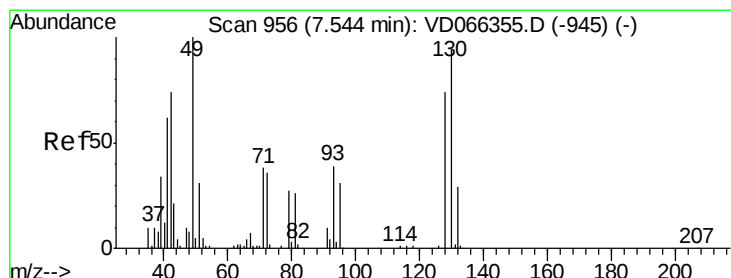
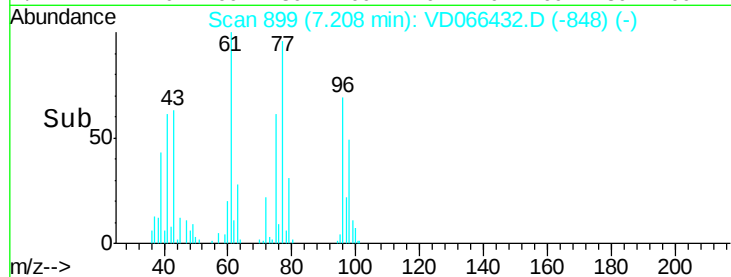
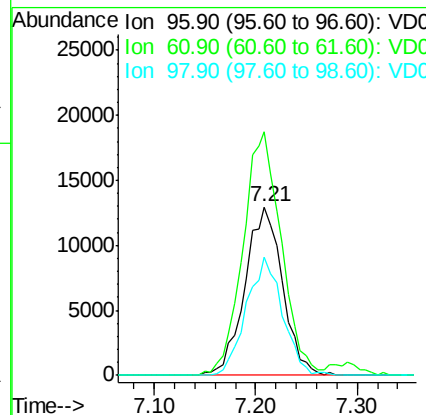
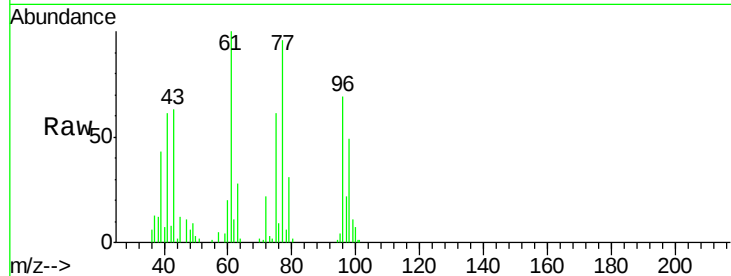
cis-1,2-Dichloroethene
 Concen: 19.032 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	33225		
61	146.9		0.0	281.4
98	68.0		0.0	132.2

Manual Integrations
 APPROVED

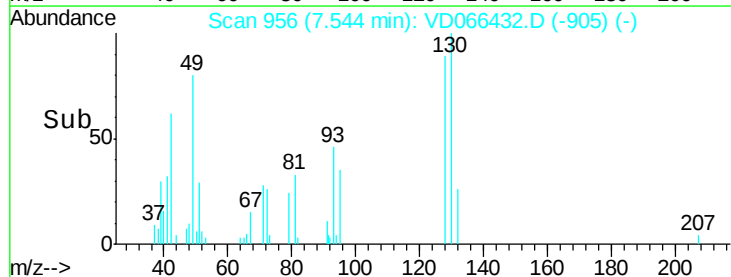
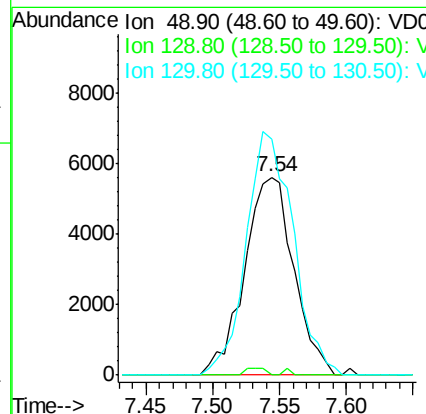
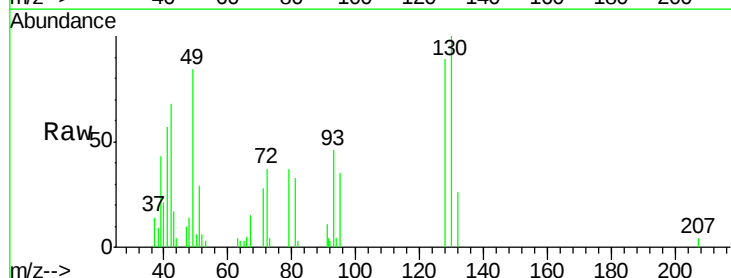
MMDadoda
 8/28/2020 3:19:01 PM

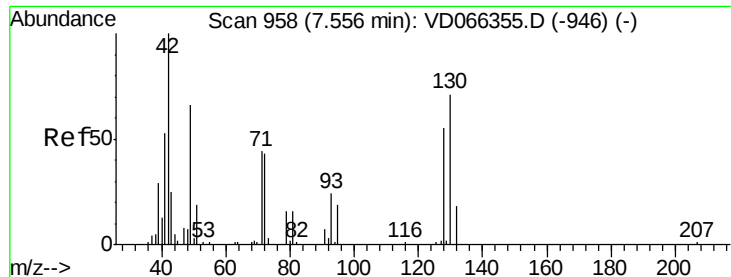


#28

Bromochloromethane
 Concen: 16.282 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14336		
129	1.5		0.0	3.0
130	117.0		82.6	124.0





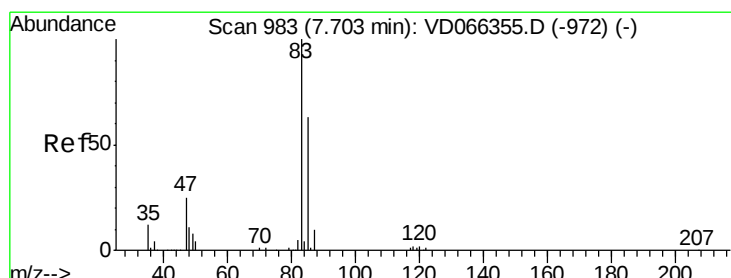
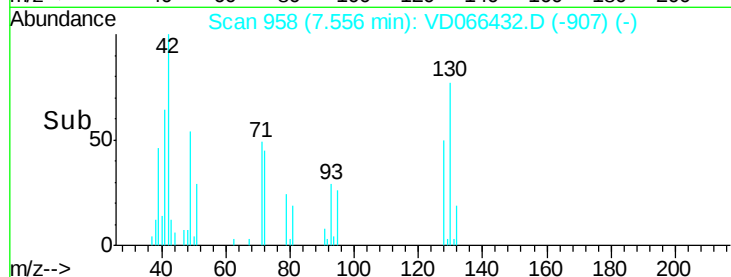
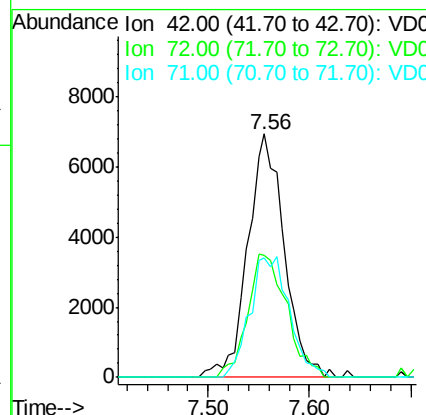
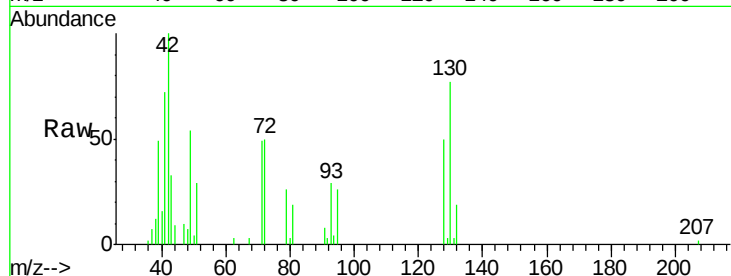
#29
Tetrahydrofuran
Concen: 88.984 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.2	41.0	61.4
71	53.9	37.2	55.8

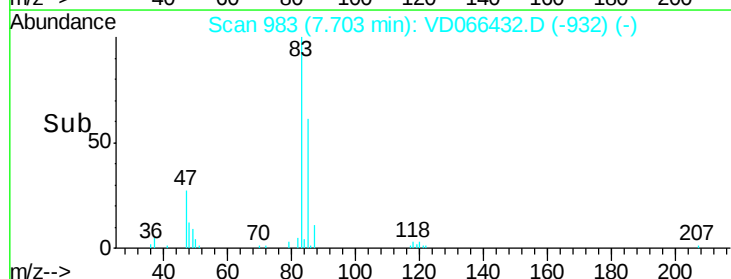
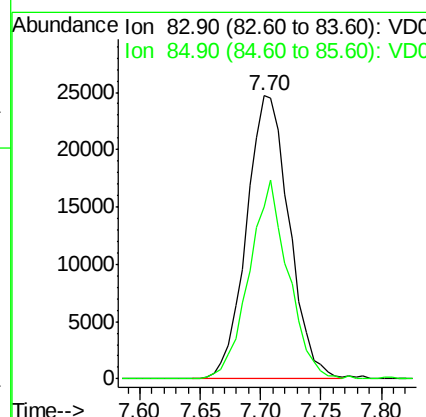
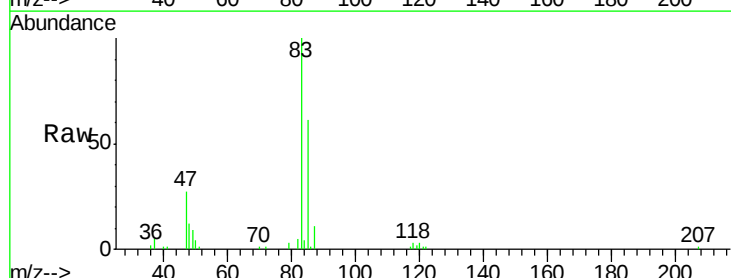
Manual Integrations
APPROVED

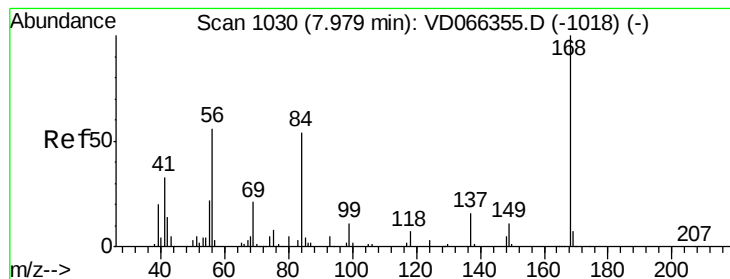
MMDadoda
8/28/2020 3:19:01 PM



#30
Chloroform
Concen: 20.629 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.3	75.5





#31

Cyclohexane

Concen: 17.516 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

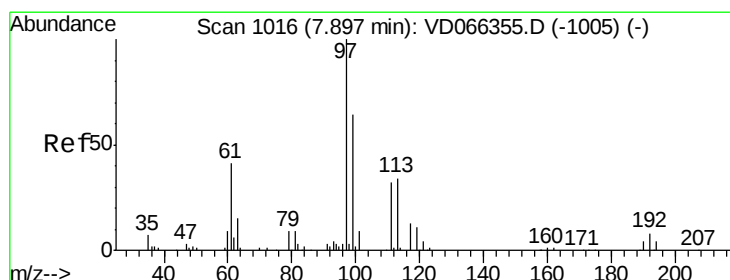
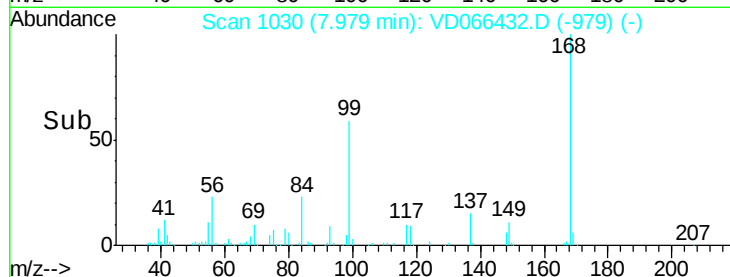
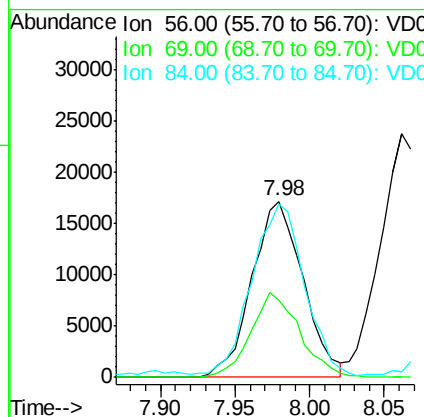
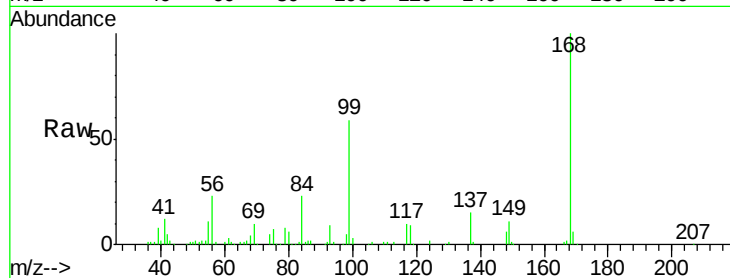
ClientSampleId :

VD0827SBS01

Tot Ion:	56	Resp:	40949
Ion	Ratio	Lower	Upper
56	100		
69	43.7	29.6	44.4
84	96.8	76.6	115.0

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#32

1,1,1-Trichloroethane

Concen: 21.403 ug/l

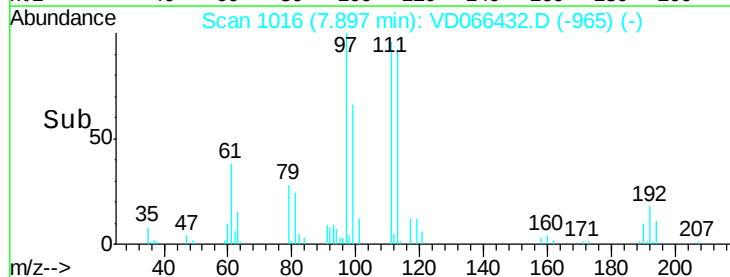
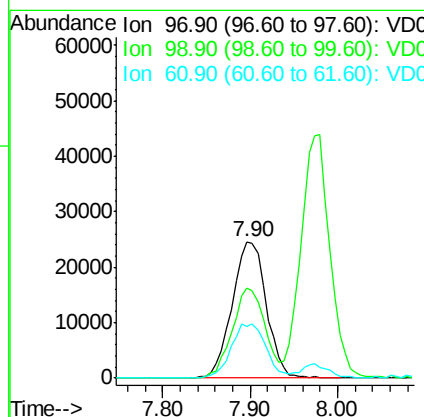
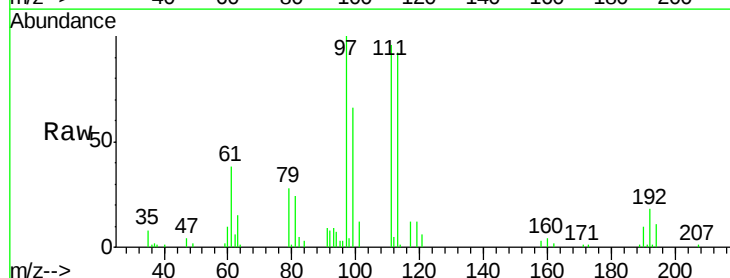
RT: 7.90 min Scan# 1016

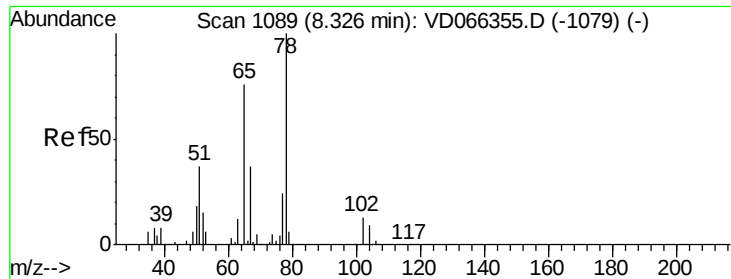
Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	97	Resp:	64781
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.5	77.3
61	40.5	33.3	49.9





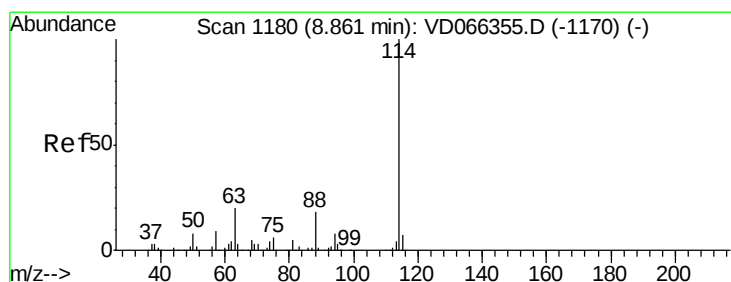
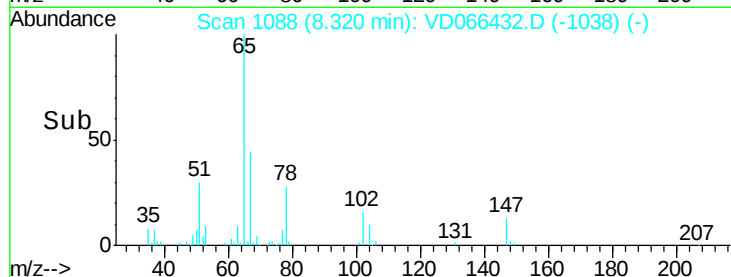
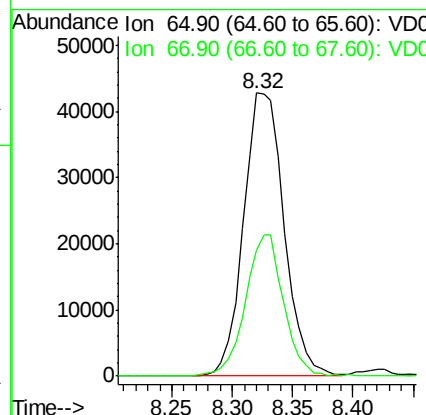
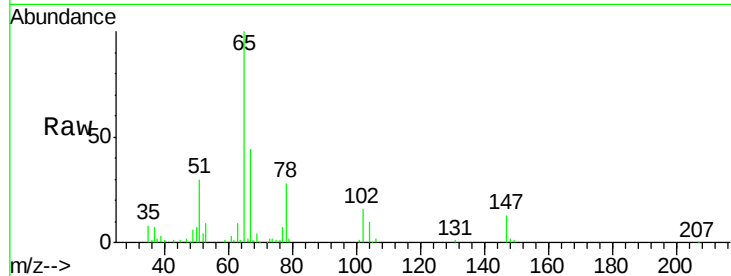
#33
 1,2-Dichloroethane-d4
 Concen: 59.577 ug/l
 RT: 8.32 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100307		
67	46.7	0.0	101.6	

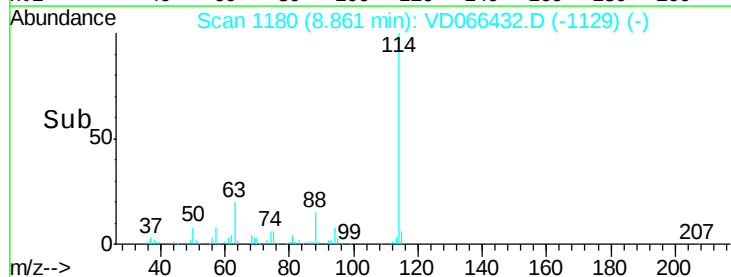
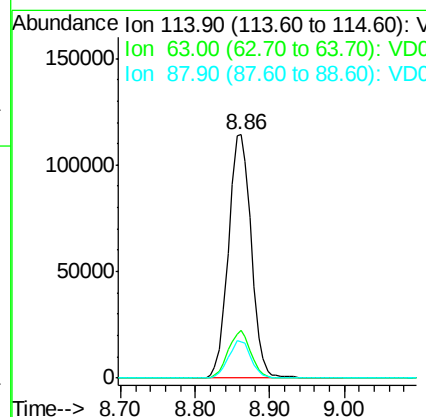
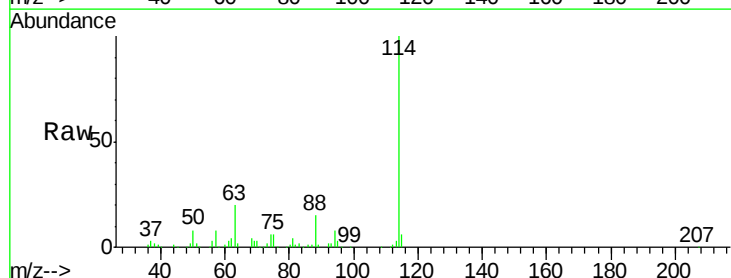
Manual Integrations
 APPROVED

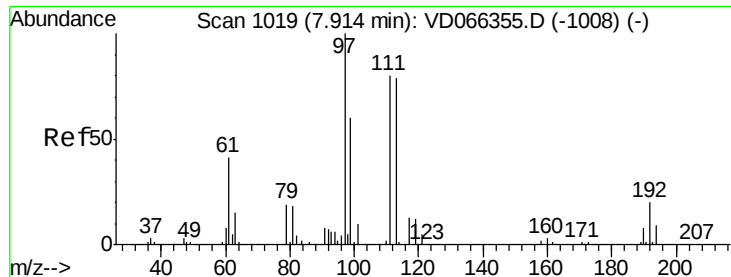
MMDadoda
 8/28/2020 3:19:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	243540		
63	19.6	0.0	40.8	
88	15.0	0.0	35.4	





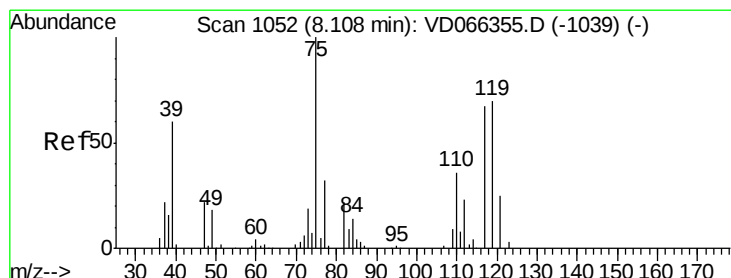
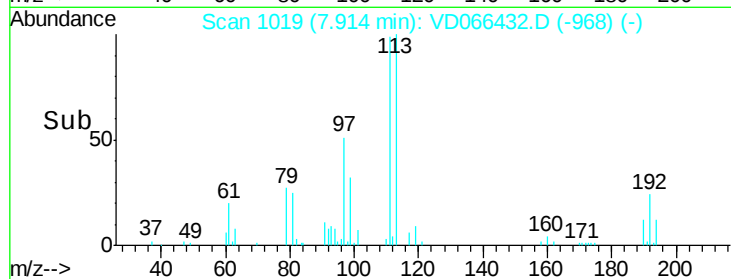
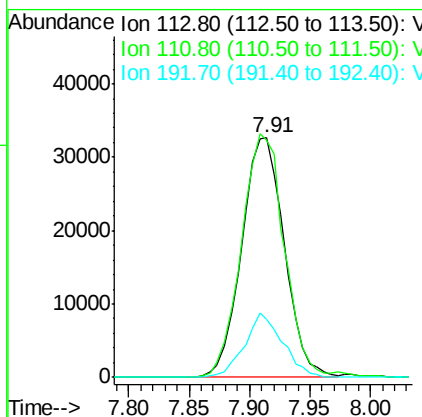
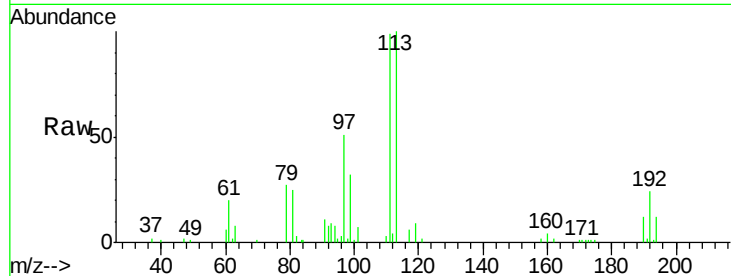
#35
 Dibromofluoromethane
 Concen: 52.595 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	80.3	120.5
192	23.9	19.0	28.6

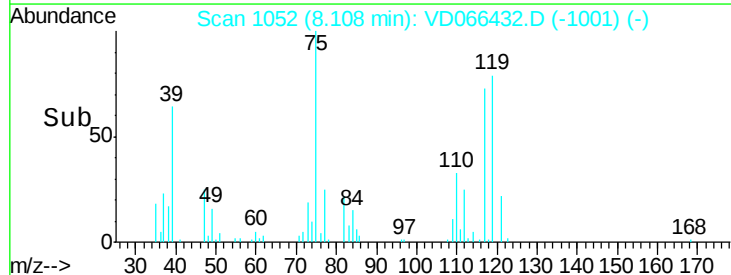
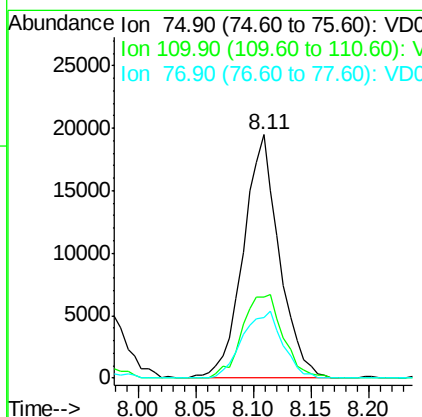
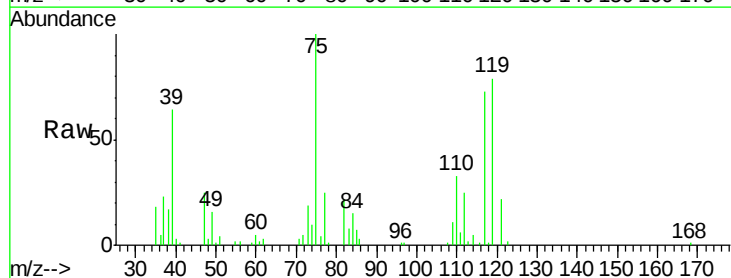
Manual Integrations
 APPROVED

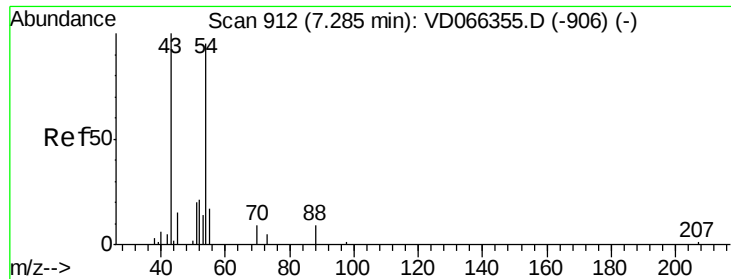
MMDadoda
 8/28/2020 3:19:01 PM



#36
 1,1-Dichloropropene
 Concen: 19.028 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.9	18.7	56.1
77	30.5	25.2	37.8





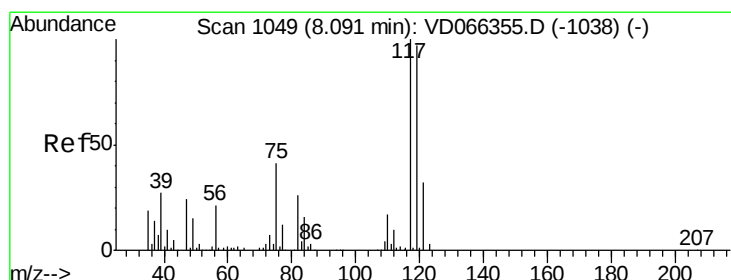
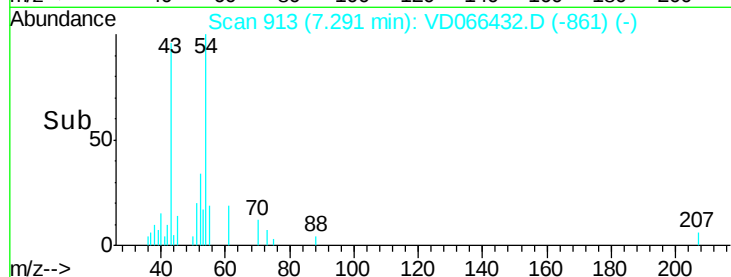
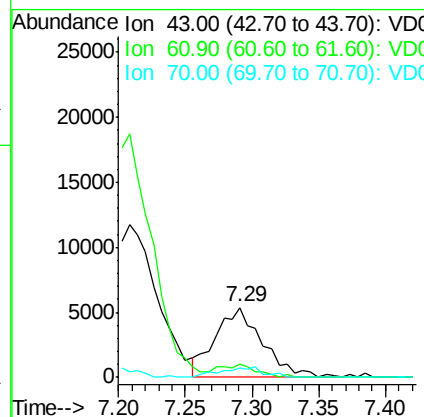
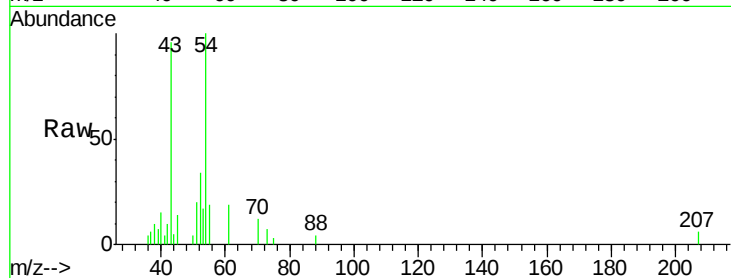
#37
Ethyl Acetate
Concen: 17.513 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	13.3	19.9
70	13.4	3.5	5.3

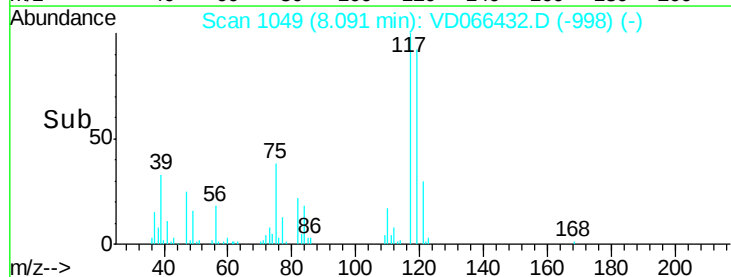
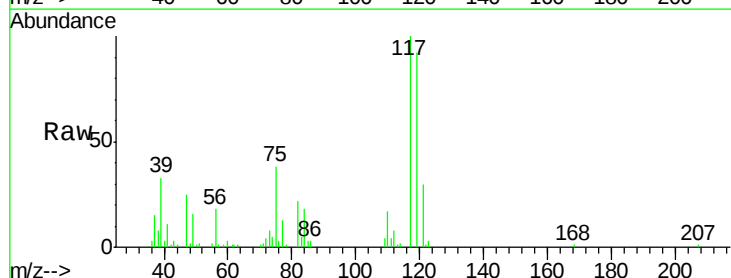
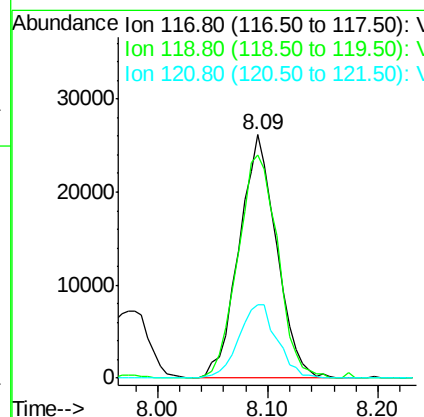
Manual Integrations
APPROVED

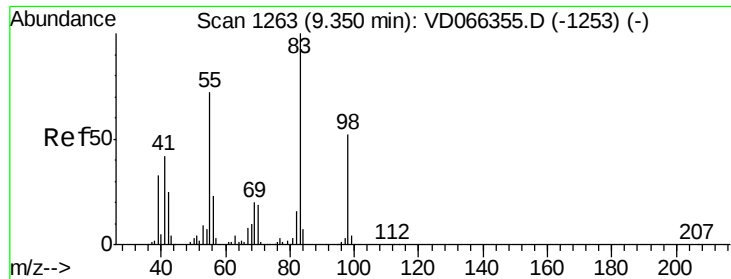
MMDadoda
8/28/2020 3:19:01 PM



#38
Carbon Tetrachloride
Concen: 21.535 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	77.2	115.8
121	30.0	25.8	38.8





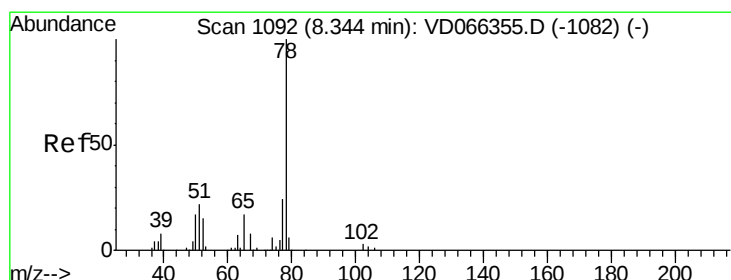
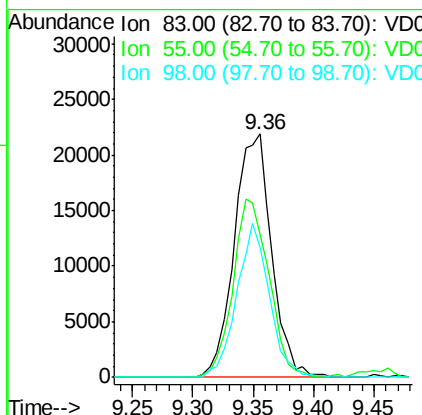
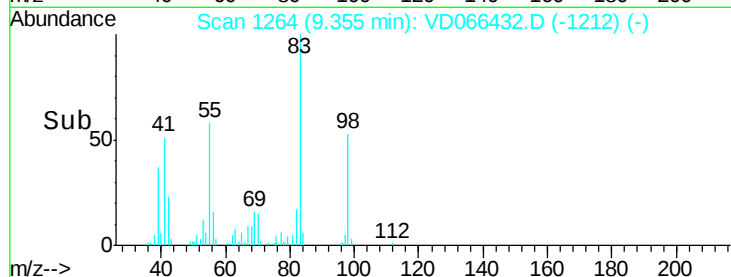
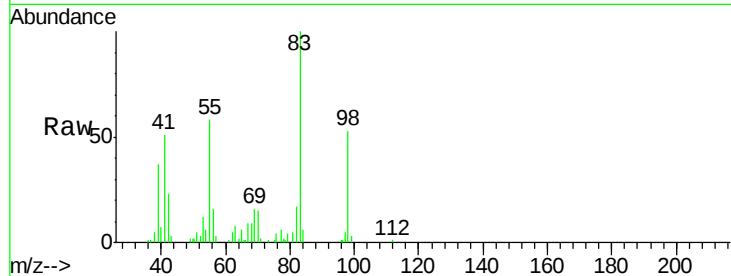
#39
Methvlcvclohexane
Concen: 18.006 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.4	58.0	87.0
98	53.3	41.9	62.9

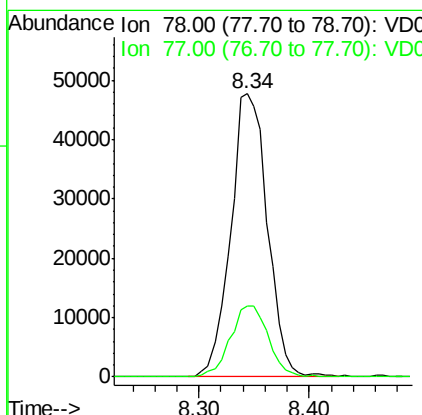
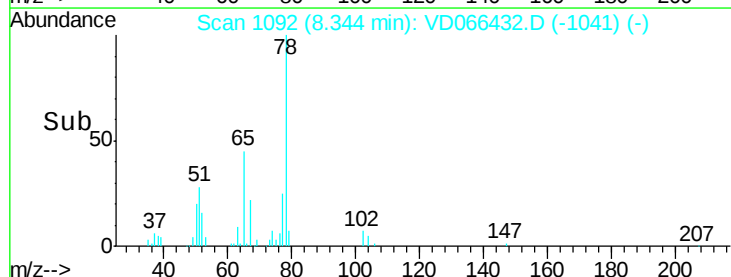
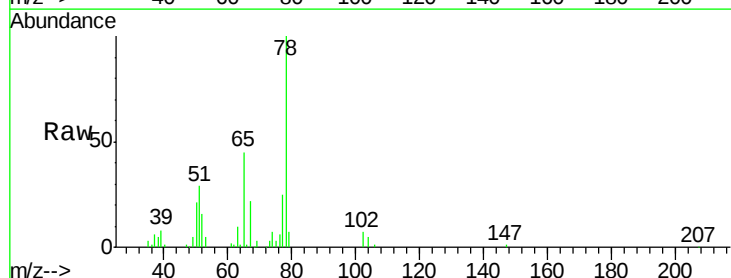
Manual Integrations
APPROVED

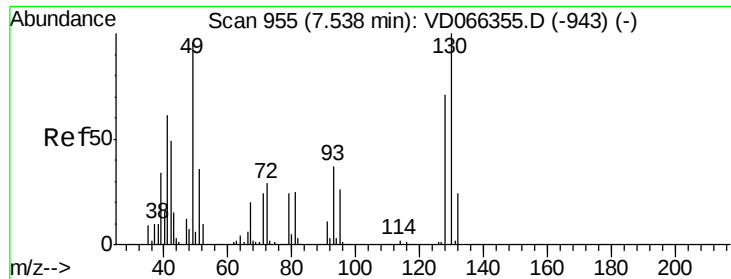
MMDadoda
8/28/2020 3:19:01 PM



#40
Benzene
Concen: 18.985 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.8	28.2





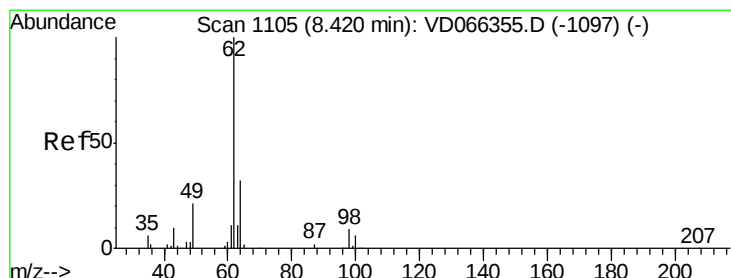
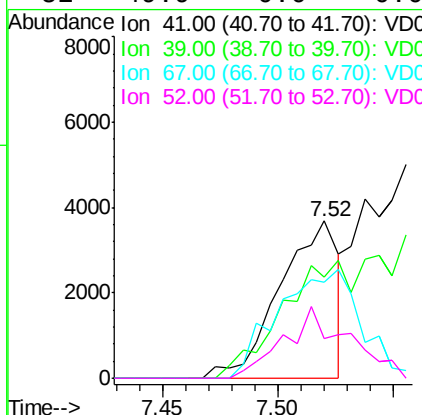
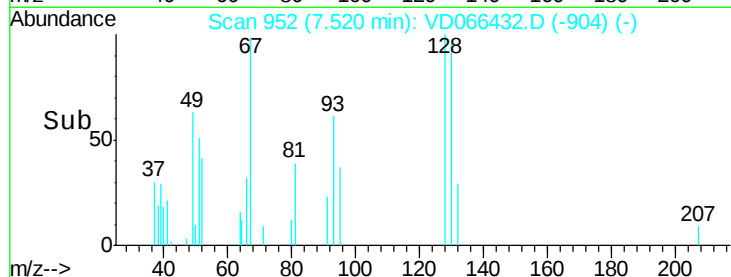
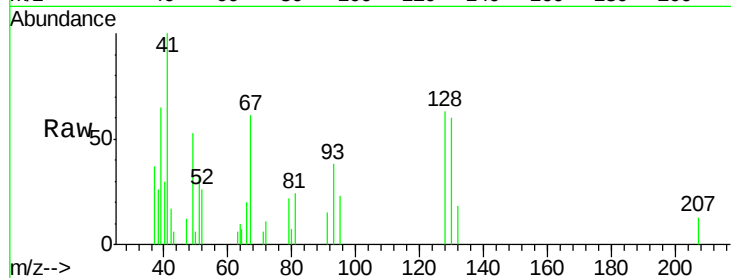
#41
Methacrylonitrile
Concen: 13.961 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.02 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	87.4	51.8	77.8#
67	98.0	0.0	0.0#
52	49.9	0.0	0.0#

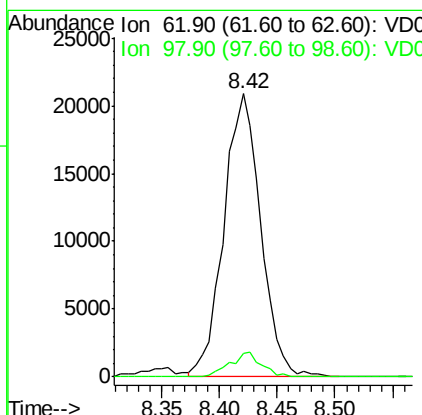
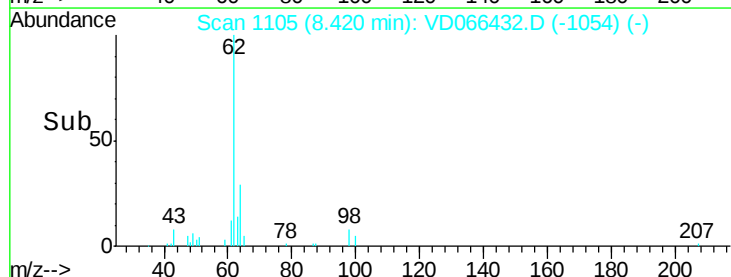
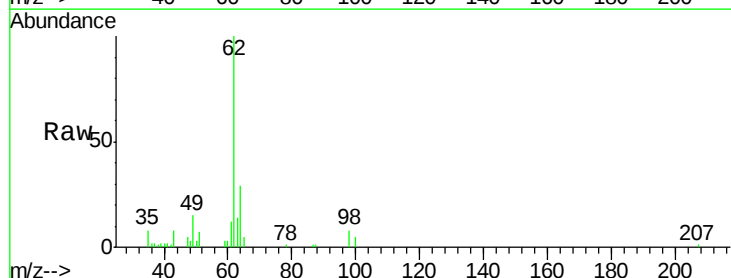
Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#42
1,2-Dichloroethane
Concen: 22.499 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 18.728 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

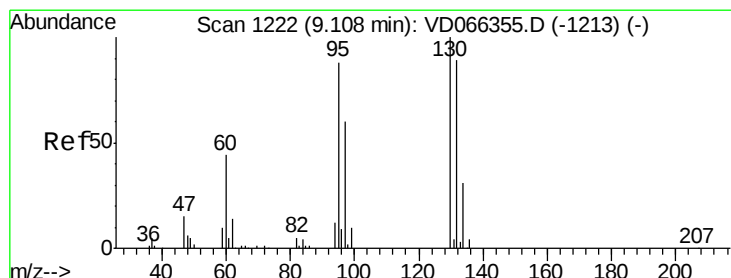
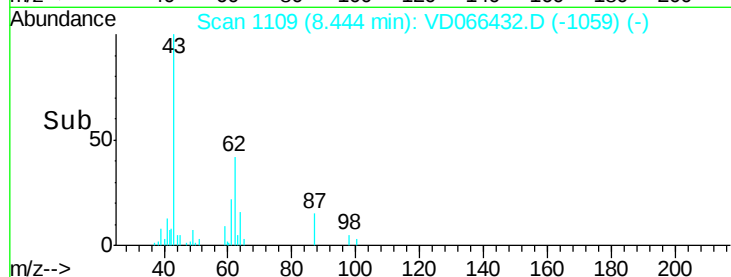
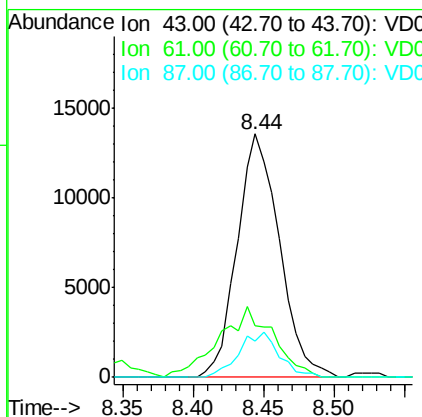
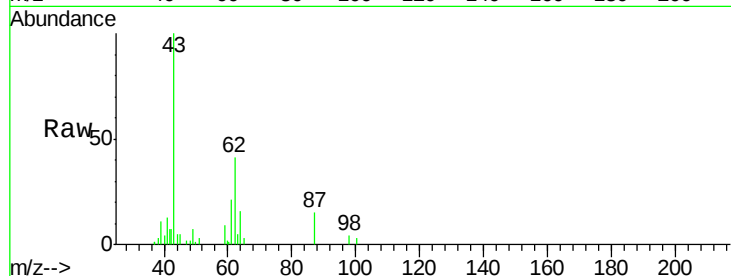
ClientSampleId :

VD0827SBS01

Tot Ion:	43	Resp:	28410
Ion	Ratio	Lower	Upper
43	100		
61	37.2	26.5	39.7
87	17.8	11.9	17.9

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#44

Trichloroethene

Concen: 19.675 ug/l

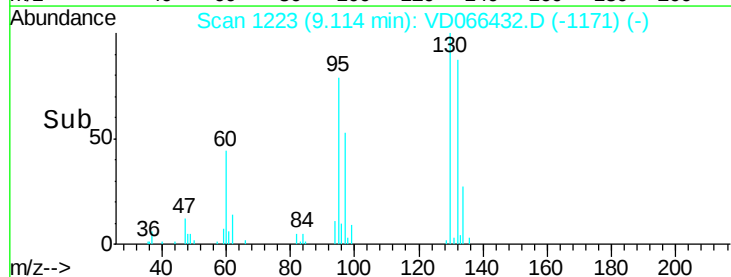
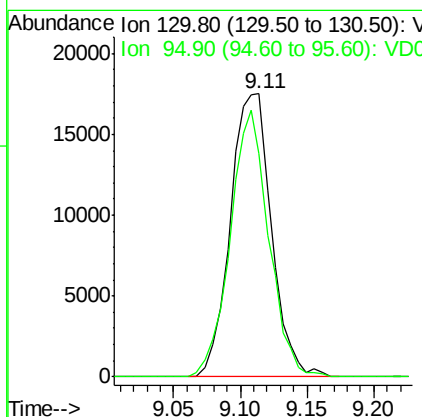
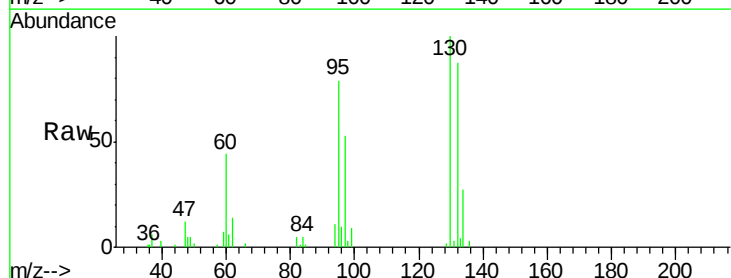
RT: 9.11 min Scan# 1223

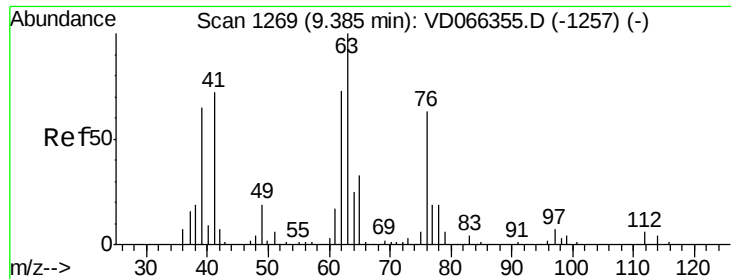
Delta R.T. 0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	130	Resp:	37372
Ion	Ratio	Lower	Upper
130	100		
95	78.8	0.0	175.6





#45

1,2-Dichloropropane

Concen: 17.160 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 63 Resp: 22742

Ion Ratio Lower Upper

63 100

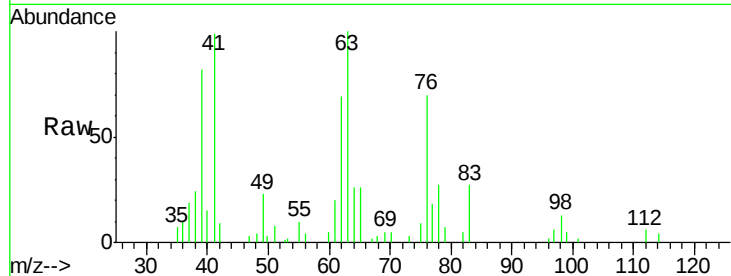
65 25.5 26.4 39.6#

Manual Integrations

APPROVED

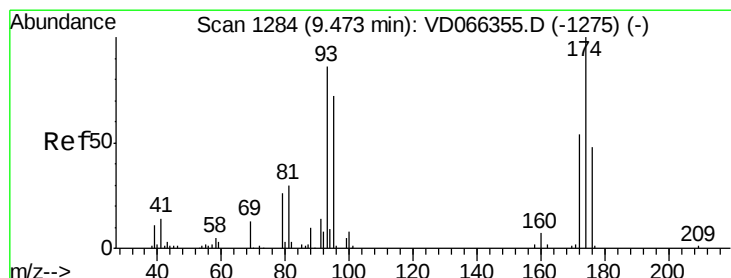
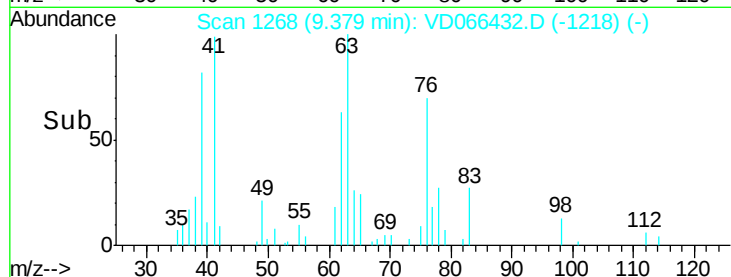
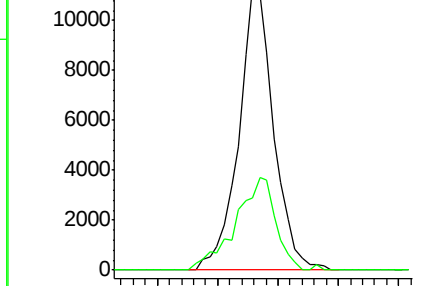
MMDadoda

8/28/2020 3:19:01 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.753 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

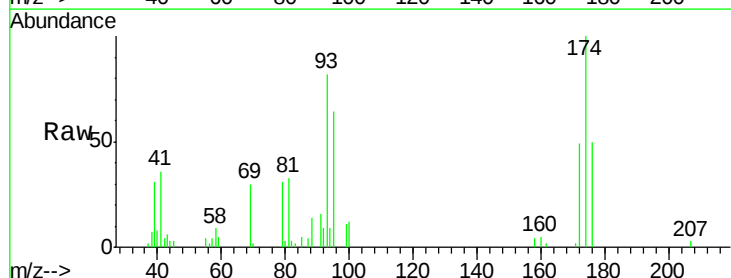
Tgt Ion: 93 Resp: 17124

Ion Ratio Lower Upper

93 100

95 75.8 66.0 99.0

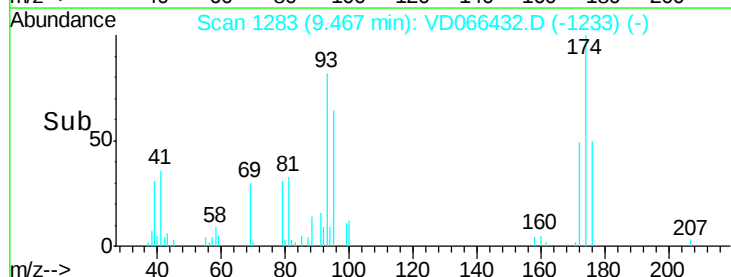
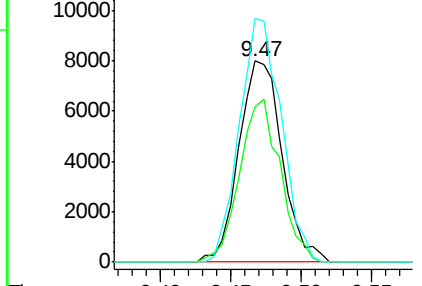
174 117.3 94.6 141.8

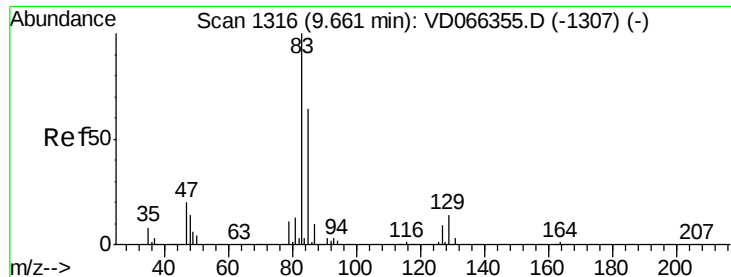


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.504 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

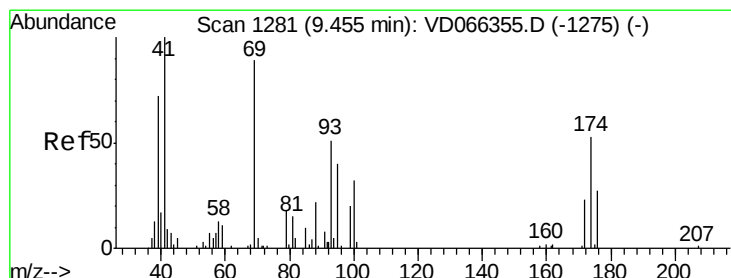
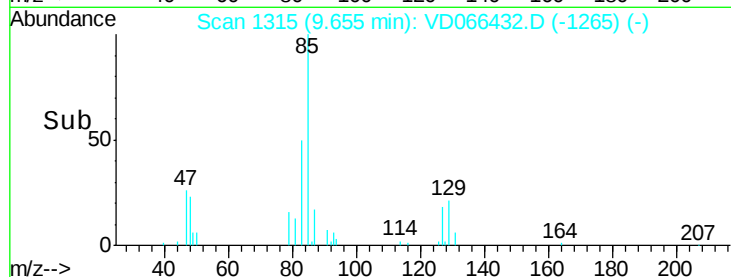
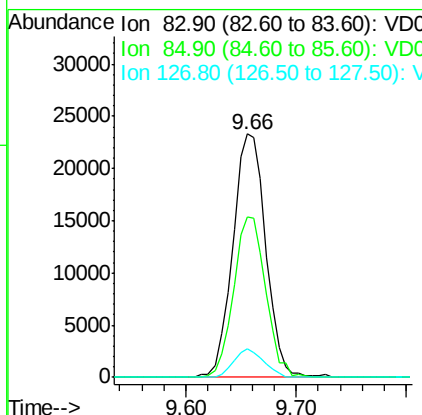
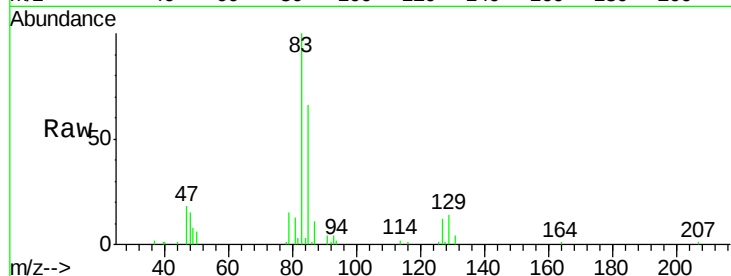
ClientSampleId :

VD0827SBS01

Tot Ion:	83	Resp:	48797
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.4	77.0
127	11.6	7.4	11.0#

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#48

Methyl methacrylate

Concen: 19.016 ug/l

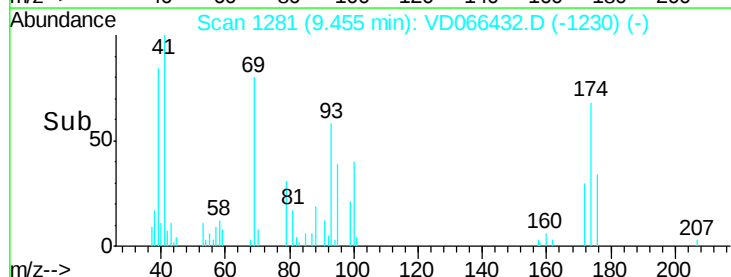
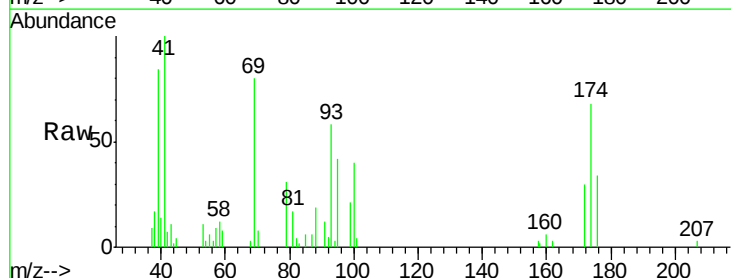
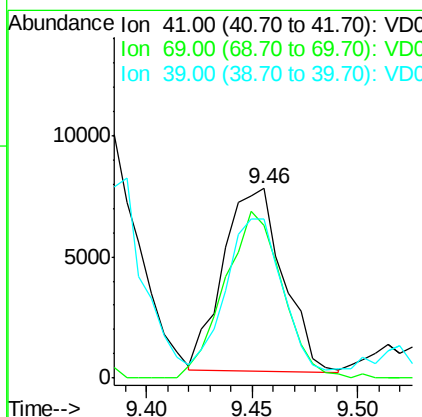
RT: 9.46 min Scan# 1281

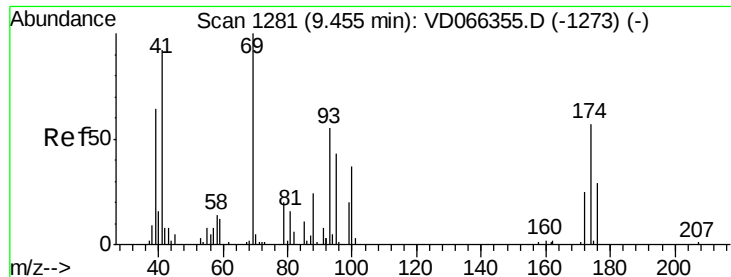
Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	41	Resp:	14875
Ion	Ratio	Lower	Upper
41	100		
69	88.1	75.5	113.3
39	84.8	57.0	85.4





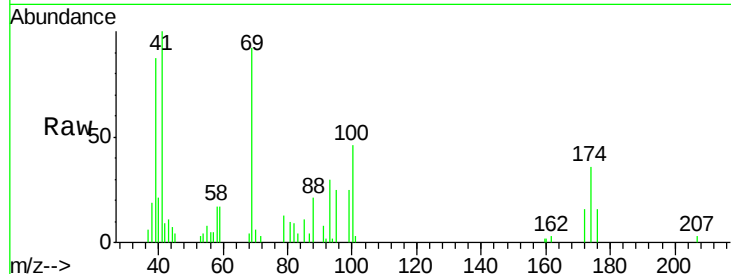
#49
1,4-Dioxane
Concen: 355.071 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

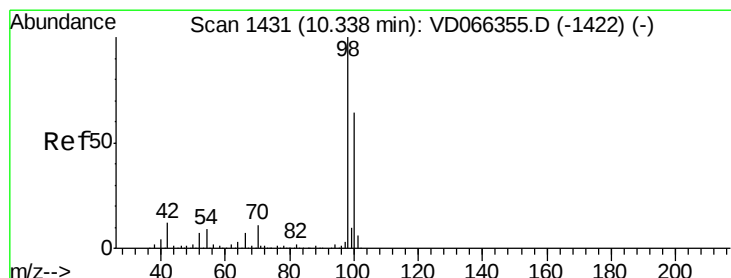
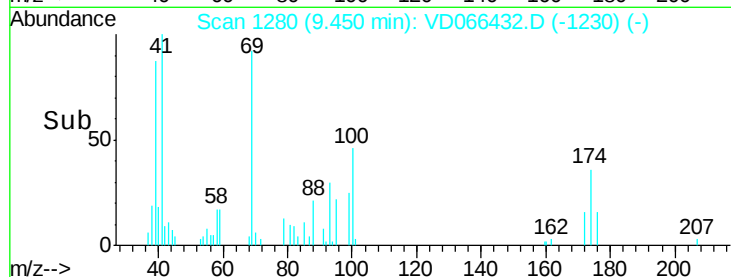
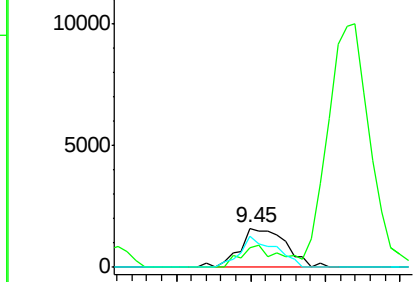
Tot Ion	Ratio	Lower	Upper
88	100		
43	41.7	29.4	44.0
58	61.4	45.4	68.2

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM

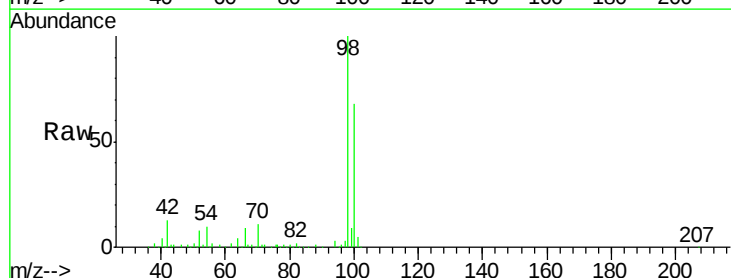


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

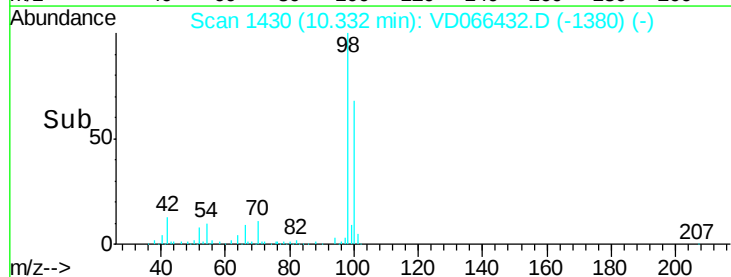
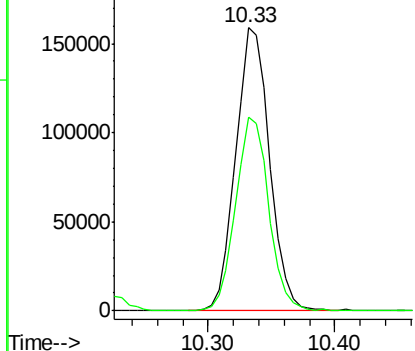


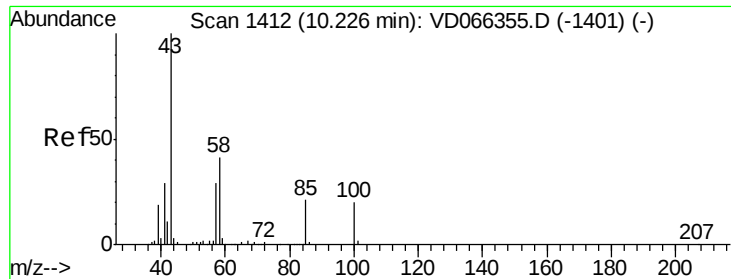
#50
Toluene-d8
Concen: 52.782 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 95.979 ug/l

RT: 10.22 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 70434

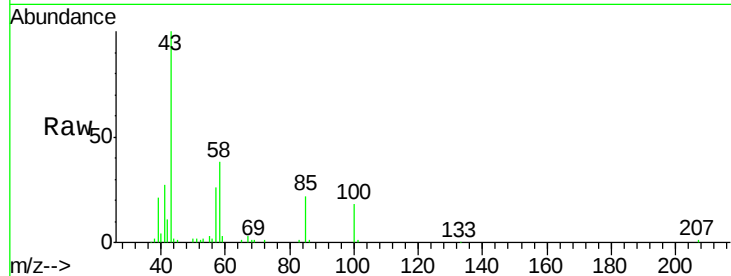
Ion Ratio Lower Upper

43 100

58 37.8 31.4 47.2

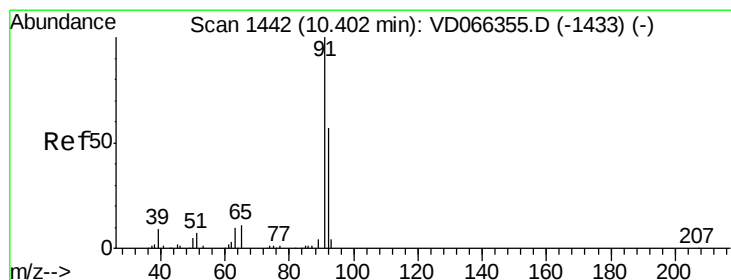
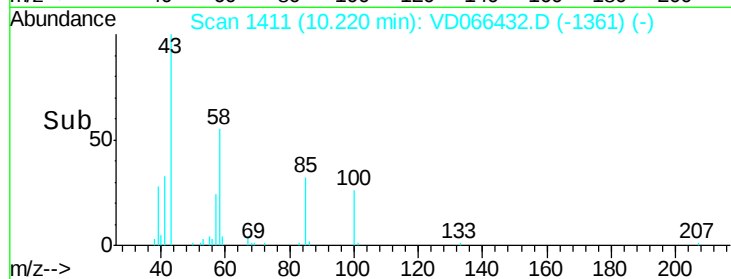
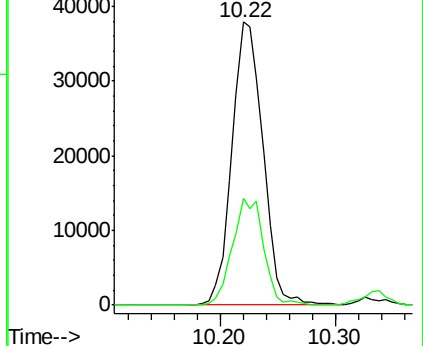
Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.233 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066432.D

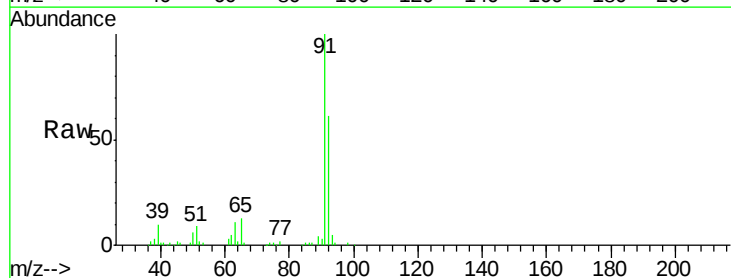
Acq: 27 Aug 2020 13:06

Tgt Ion: 92 Resp: 80131

Ion Ratio Lower Upper

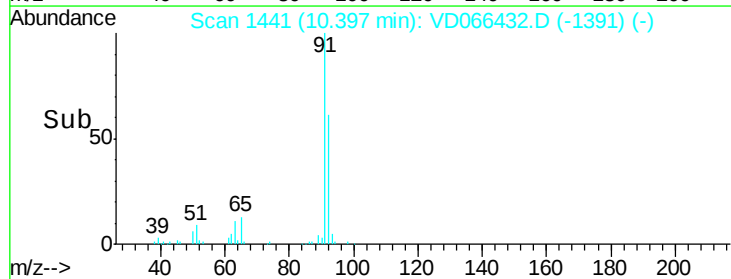
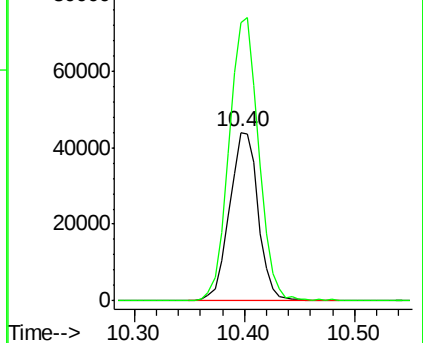
92 100

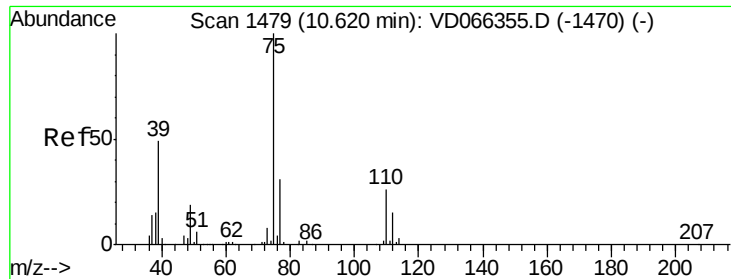
91 173.6 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





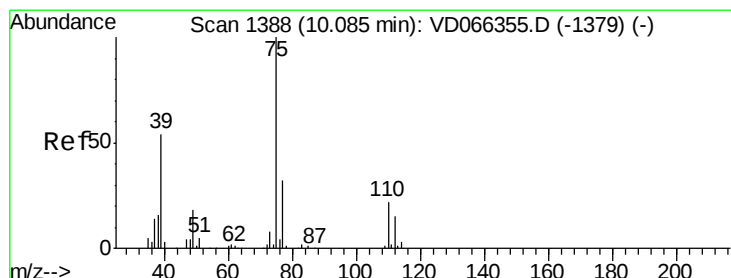
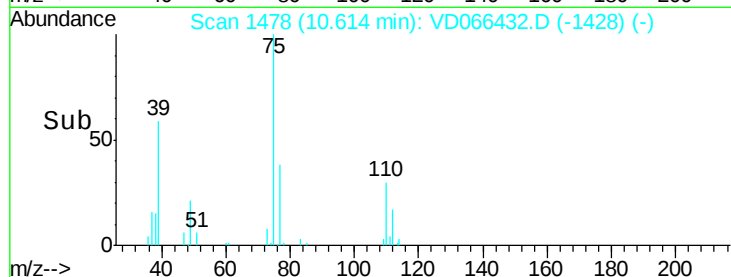
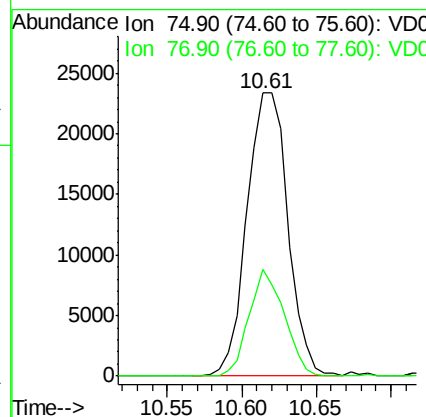
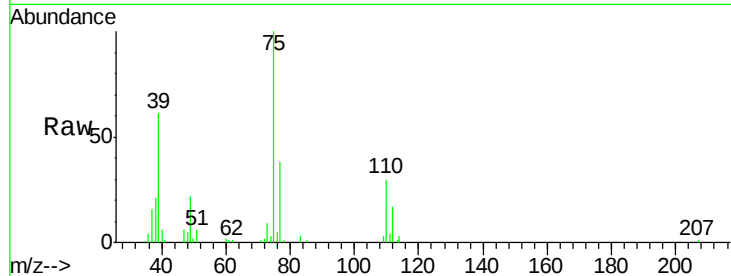
#53
 t-1,3-Dichloropropene
 Concen: 20.572 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion: 75 Resp: 44295
 Ion Ratio Lower Upper
 75 100
 77 37.6 24.5 36.7#

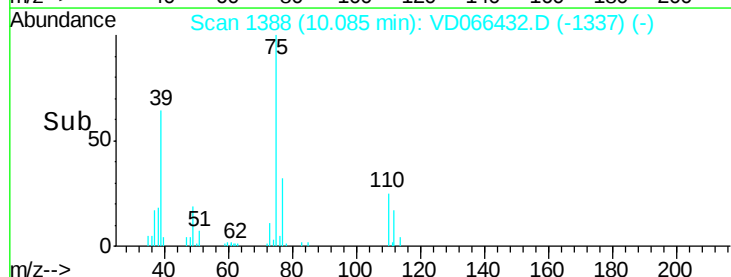
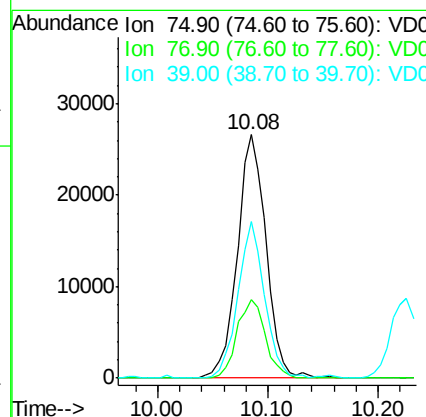
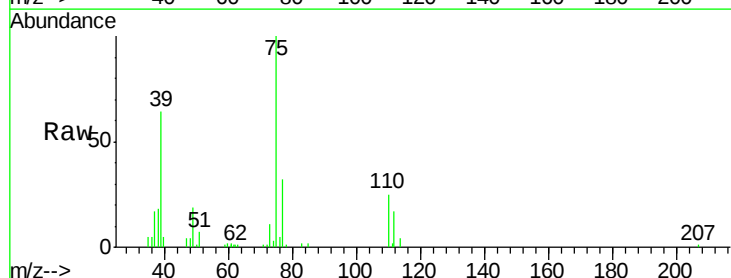
Manual Integrations
 APPROVED

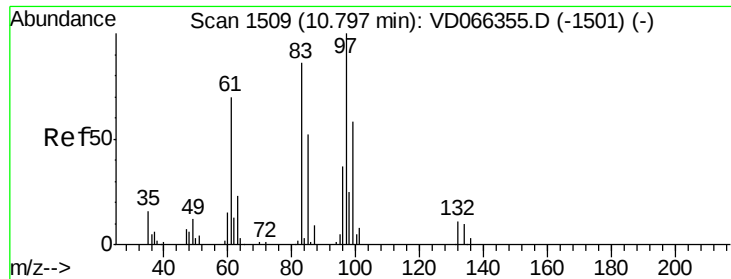
MMDadoda
 8/28/2020 3:19:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.111 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion: 75 Resp: 48605
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4
 39 64.3 43.4 65.0





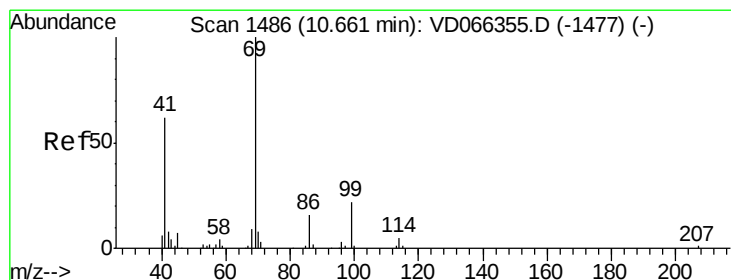
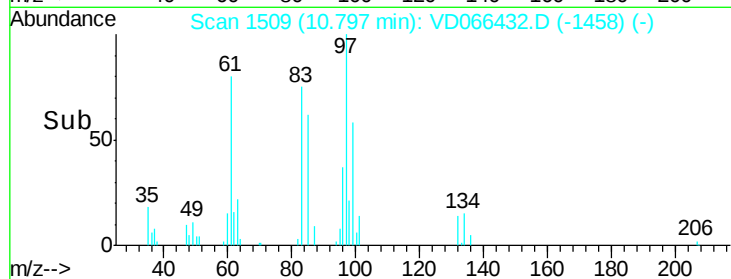
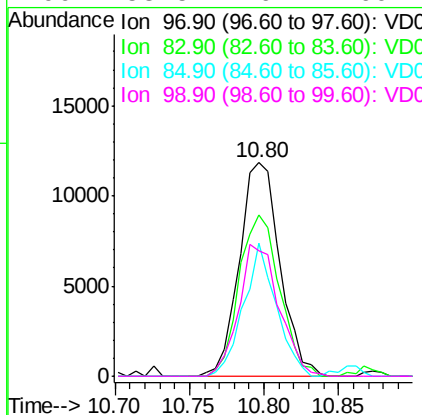
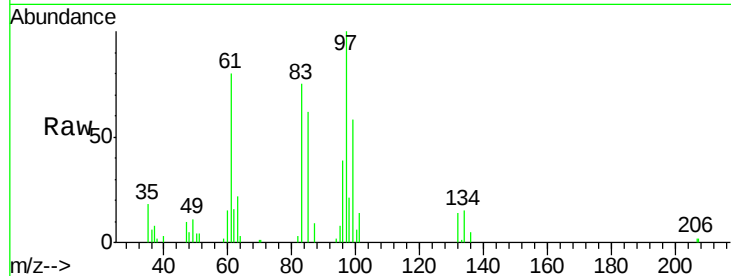
#55
 1,1,2-Trichloroethane
 Concen: 20.001 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion:	97	Resp:	22342
Ion	Ratio	Lower	Upper
97	100		
83	75.3	68.4	102.6
85	62.4	41.3	61.9#
99	58.5	46.1	69.1

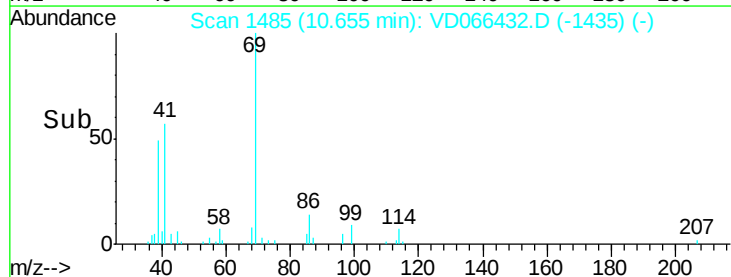
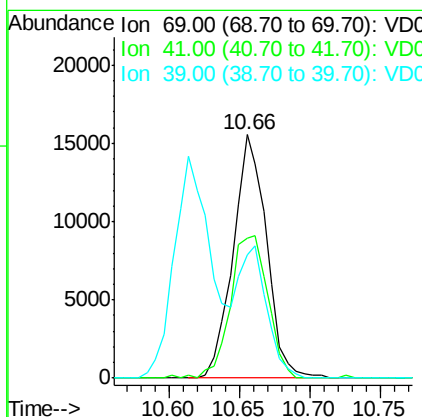
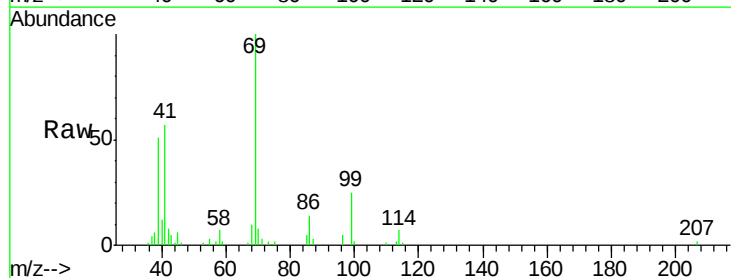
Manual Integrations
 APPROVED

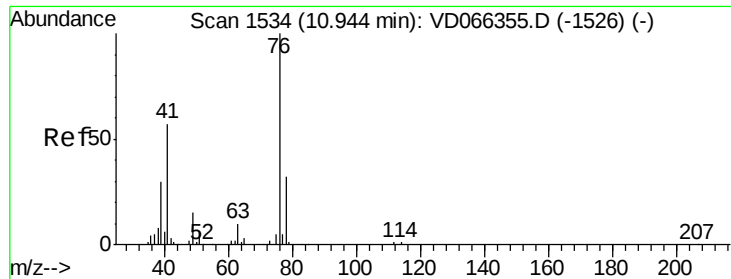
MMDadoda
 8/28/2020 3:19:01 PM



#56
 Ethyl methacrylate
 Concen: 19.848 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion:	69	Resp:	25666
Ion	Ratio	Lower	Upper
69	100		
41	65.4	50.8	76.2
39	46.1	32.9	49.3





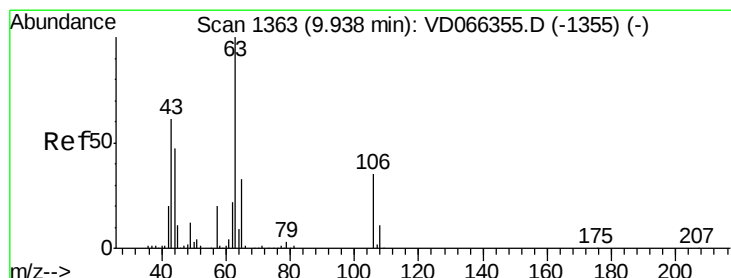
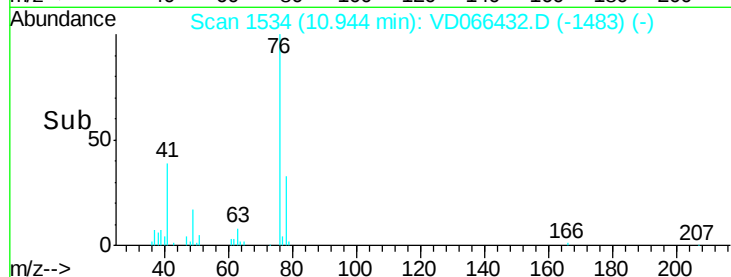
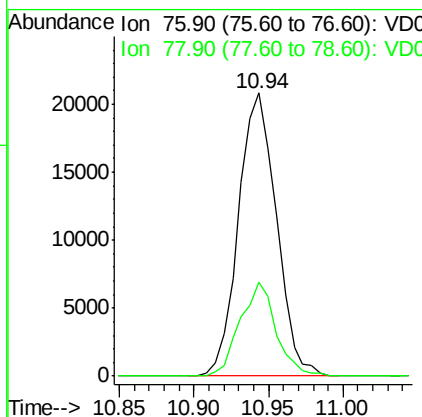
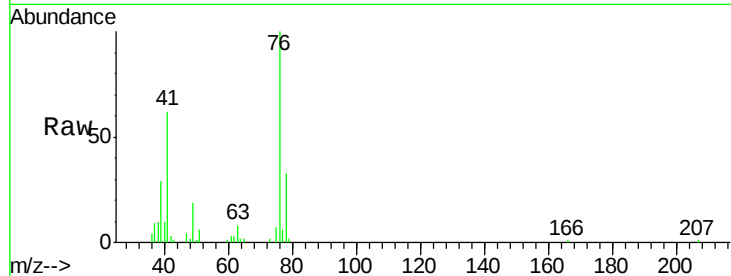
#57
 1,3-Dichloropropane
 Concen: 19.844 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion: 76 Resp: 36666
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.6 38.4

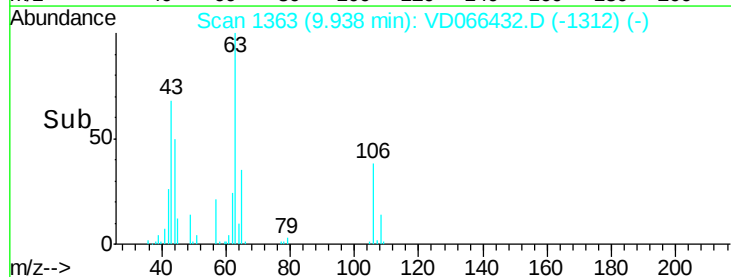
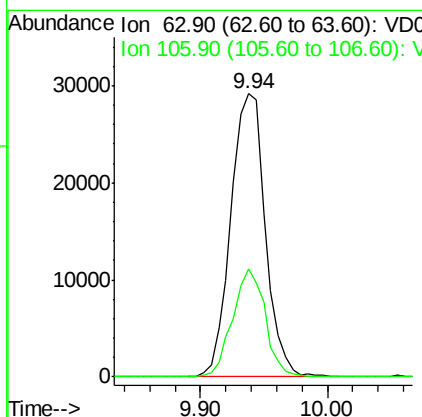
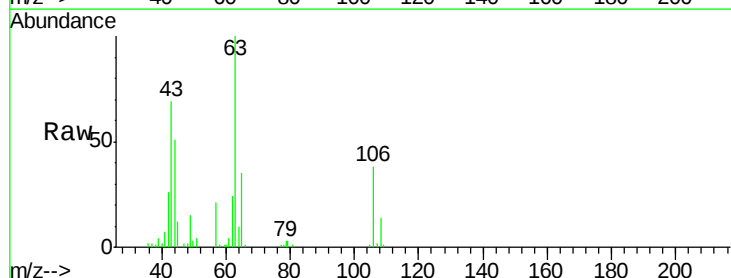
Manual Integrations
 APPROVED

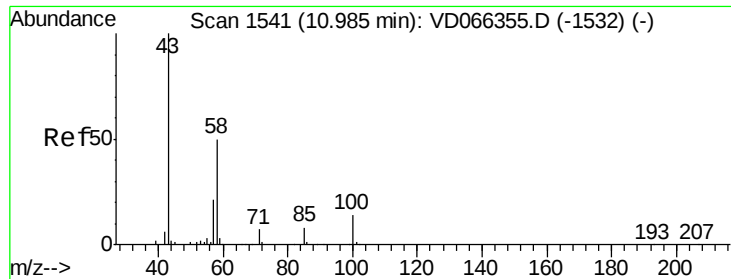
MMDadoda
 8/28/2020 3:19:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.026 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion: 63 Resp: 54795
 Ion Ratio Lower Upper
 63 100
 106 36.1 27.1 40.7





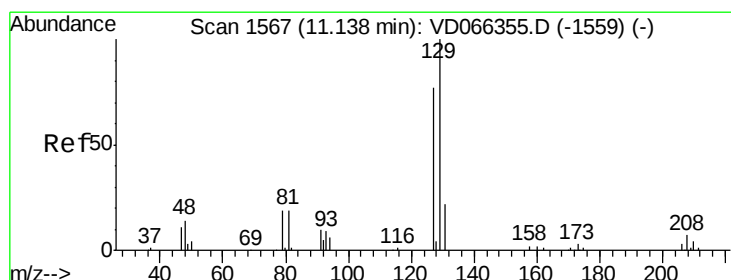
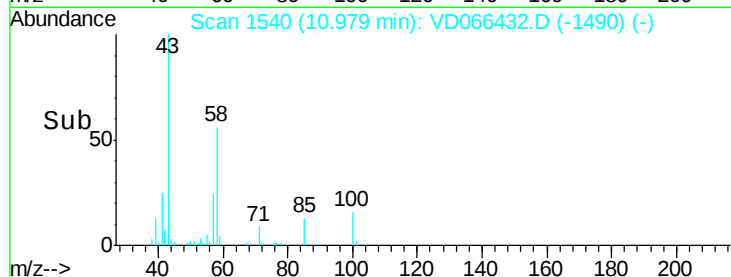
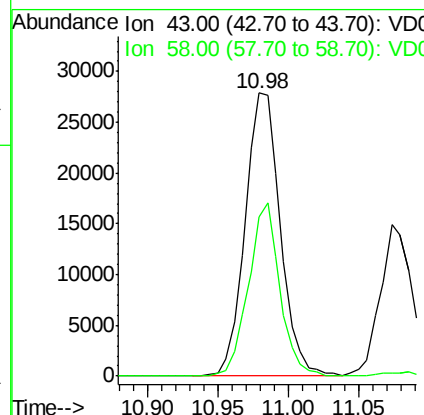
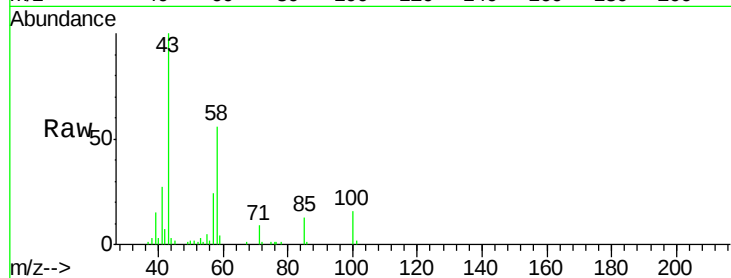
#59
2-Hexanone
Concen: 94.096 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	43	Resp	48707
Ion Ratio	100	Lower	Upper
43	100		
58	54.4	26.3	78.8

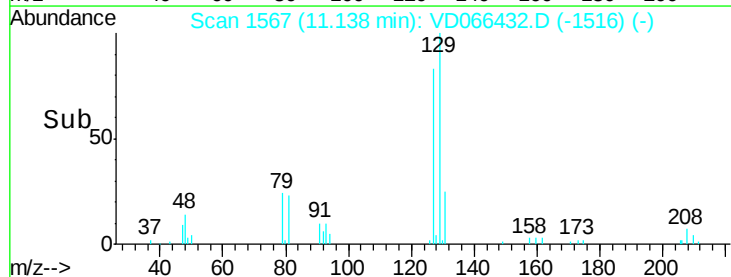
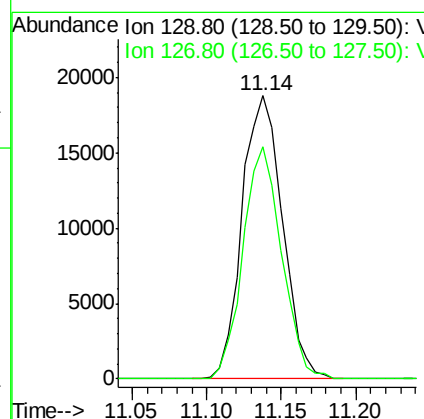
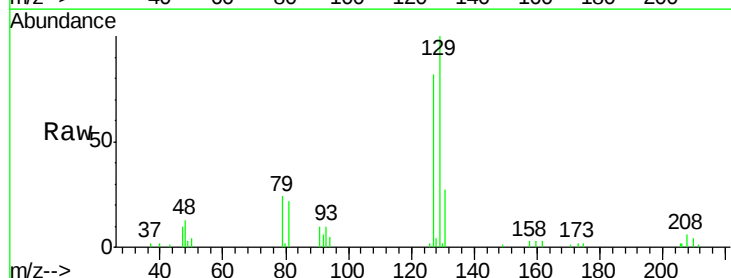
Manual Integrations
APPROVED

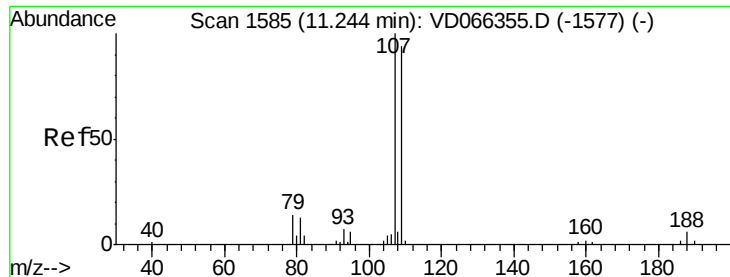
MMDadoda
8/28/2020 3:19:01 PM



#60
Dibromochloromethane
Concen: 20.970 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	129	Resp	35308	
Ion Ratio	129	100	Lower	Upper
129	100			
127	78.1	39.0	117.0	





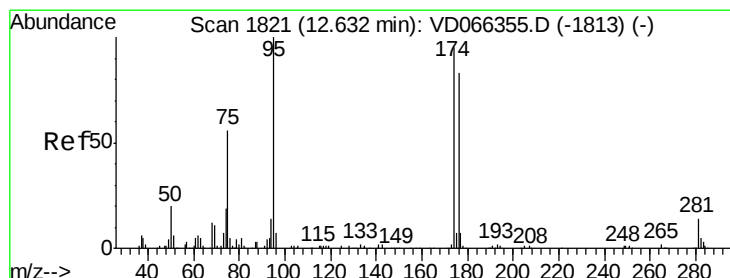
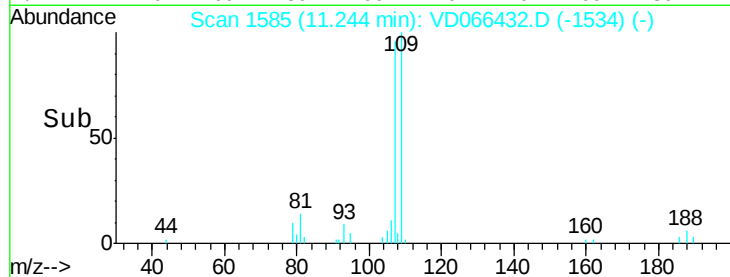
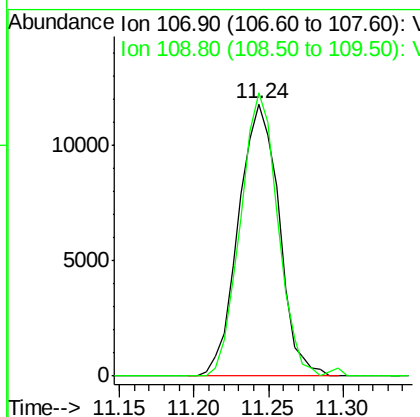
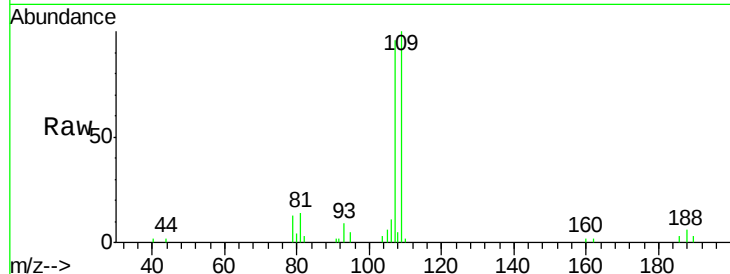
#61
 1,2-Dibromoethane
 Concen: 20.175 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	77.8	116.8

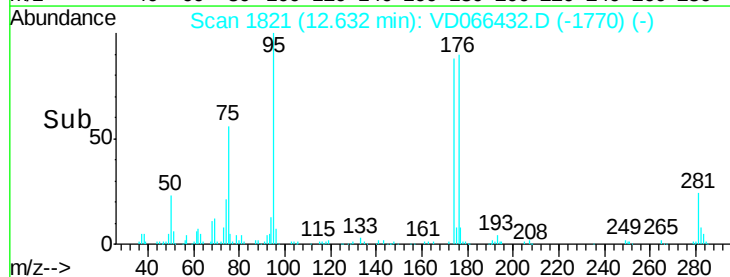
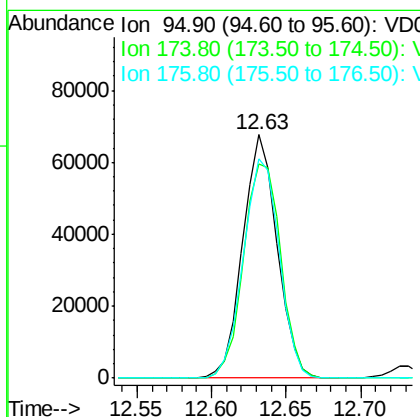
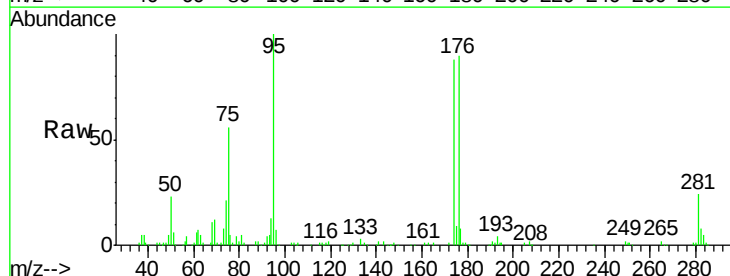
Manual Integrations
 APPROVED

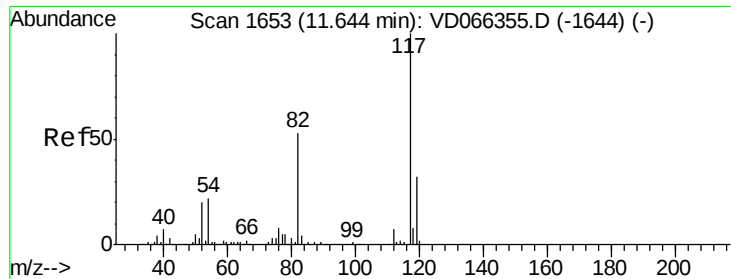
MMDadoda
 8/28/2020 3:19:01 PM



#62
 4-Bromofluorobenzene
 Concen: 54.751 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	183.4
176	93.7	0.0	173.8





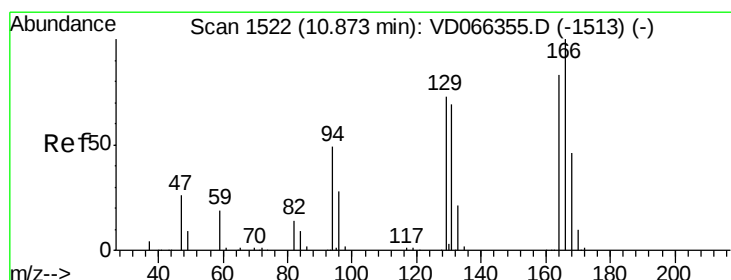
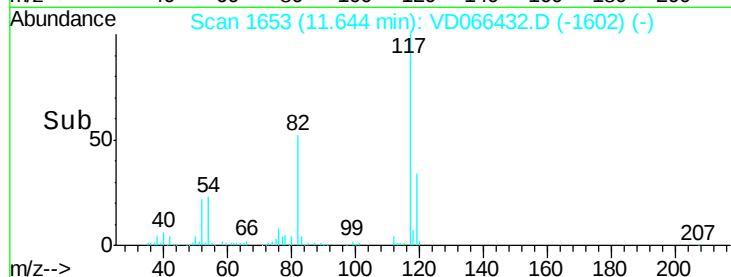
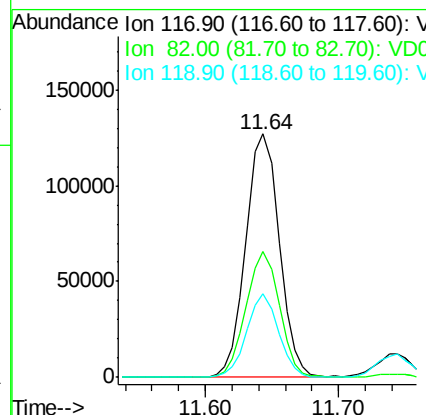
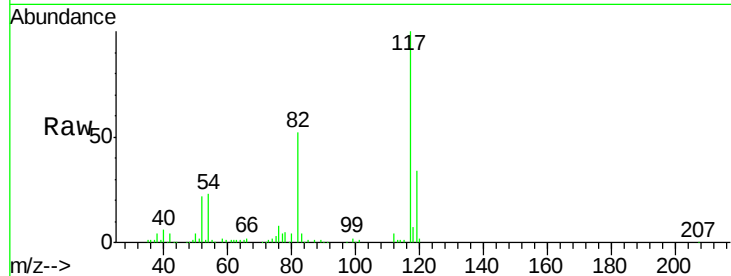
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	221474		
82	51.9	42.8	64.2	
119	34.3	25.8	38.8	

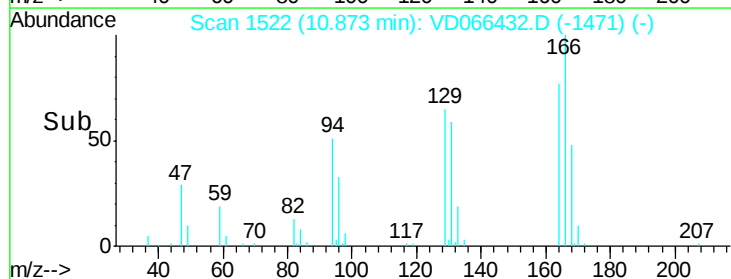
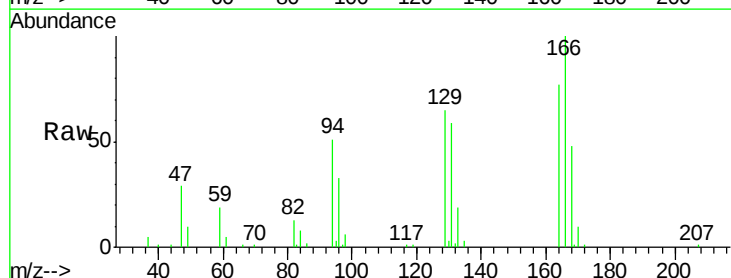
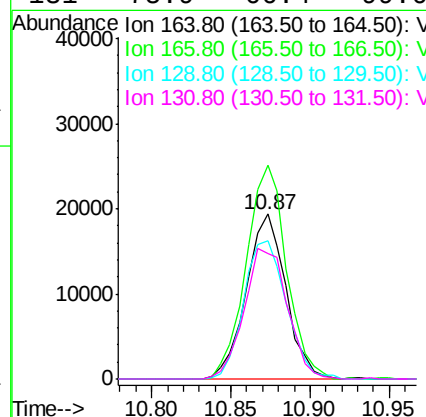
Manual Integrations
APPROVED

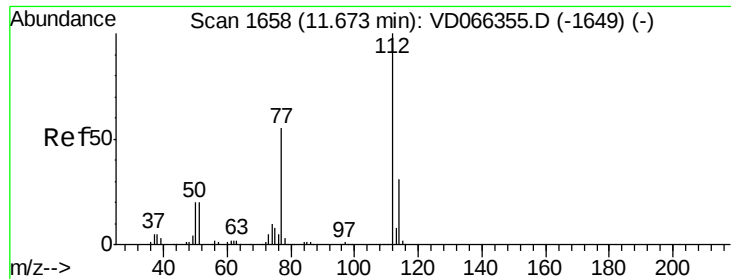
MMDadoda
8/28/2020 3:19:01 PM



#64
Tetrachloroethene
Concen: 20.033 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33657		
166	129.6	96.2	144.4	
129	83.8	70.3	105.5	
131	75.9	66.4	99.6	





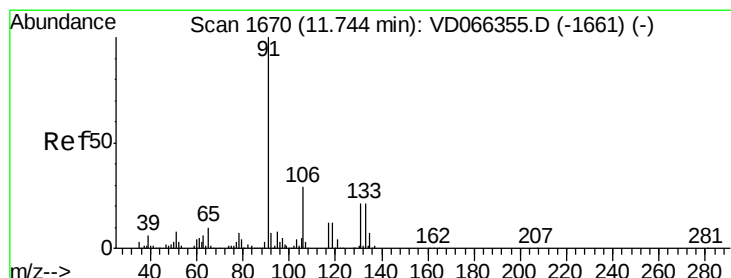
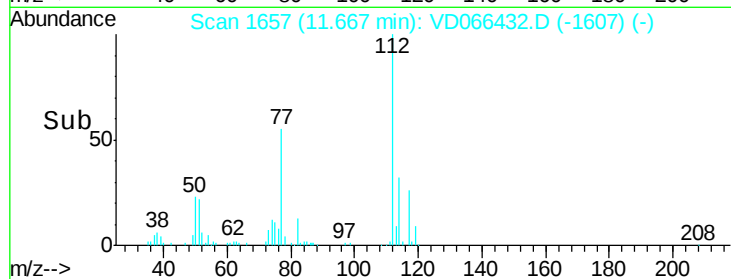
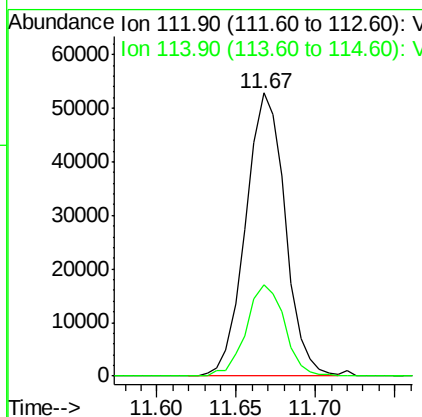
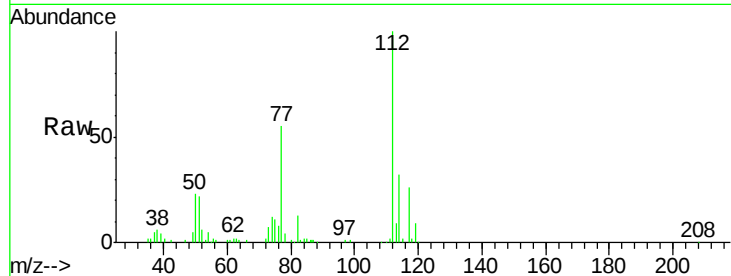
#65
Chlorobenzene
Concen: 20.793 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.1	37.7

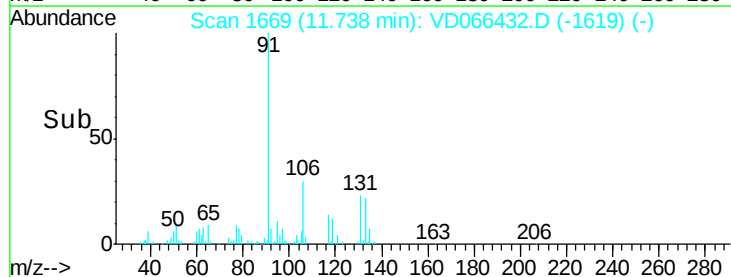
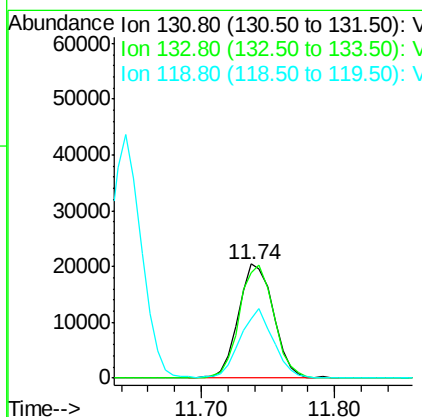
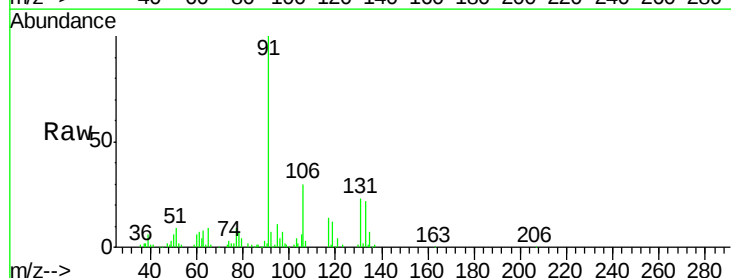
Manual Integrations
APPROVED

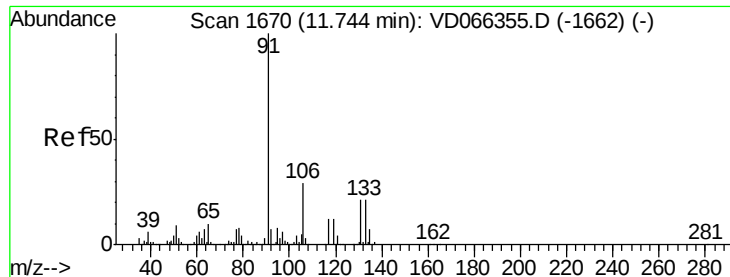
MMDadoda
8/28/2020 3:19:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.659 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	48.6	145.9
119	58.0	29.0	87.1





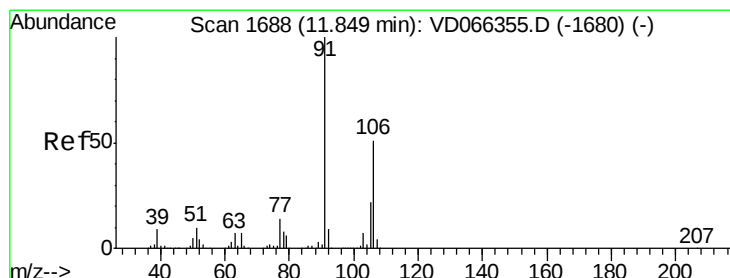
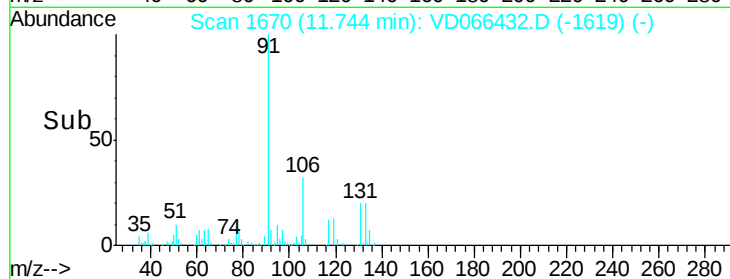
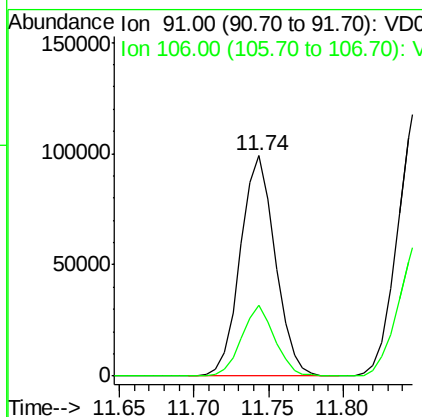
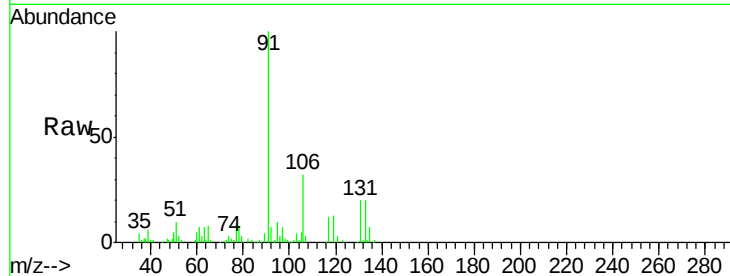
#67
Ethyl Benzene
Concen: 20.662 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		160255		
106	32.3		23.4	35.2	

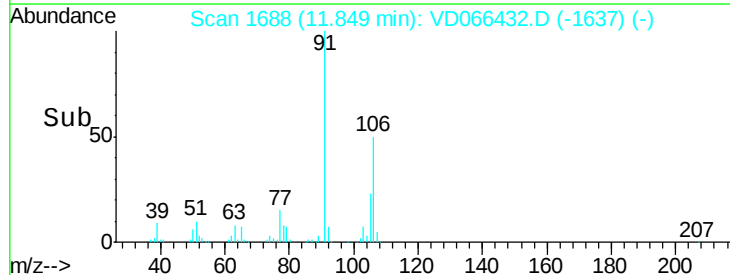
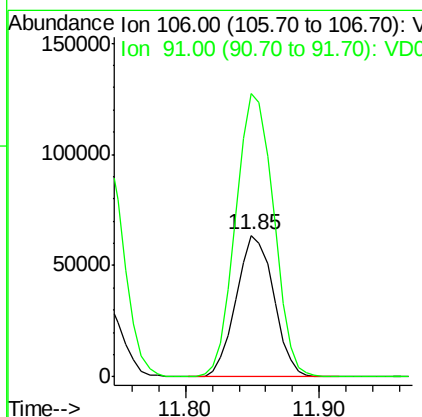
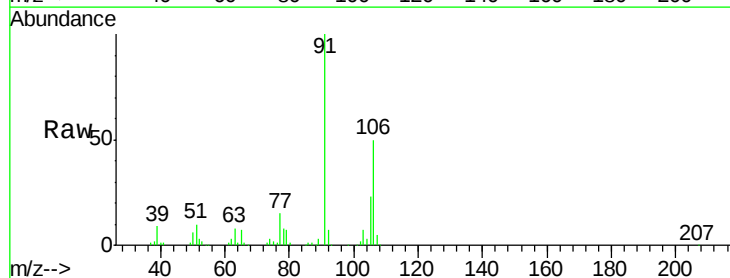
Manual Integrations
APPROVED

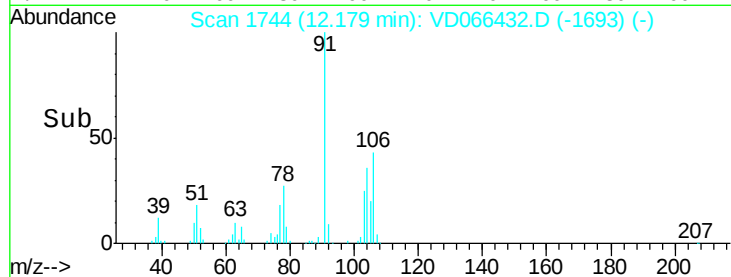
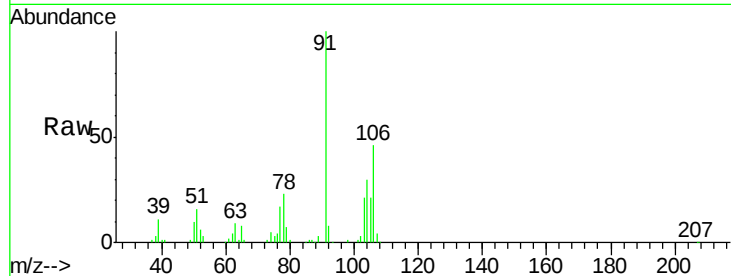
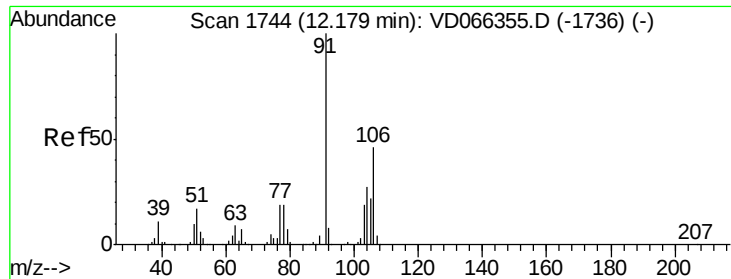
MMDadoda
8/28/2020 3:19:01 PM



#68
m/p-Xylenes
Concen: 41.997 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		124154		
91	202.7		160.7	241.1	





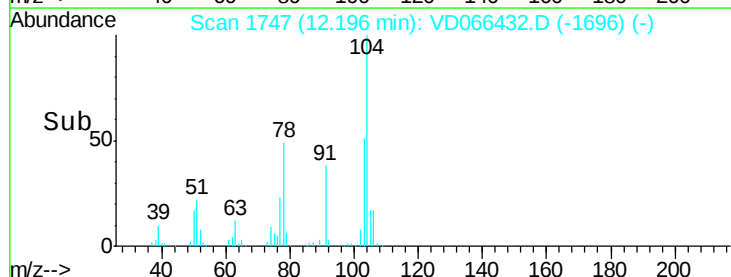
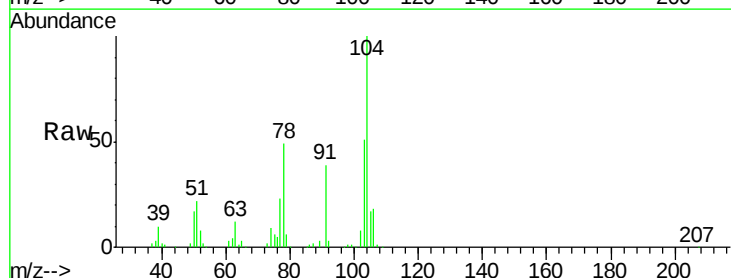
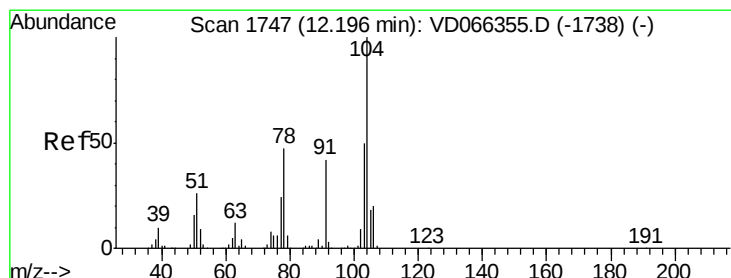
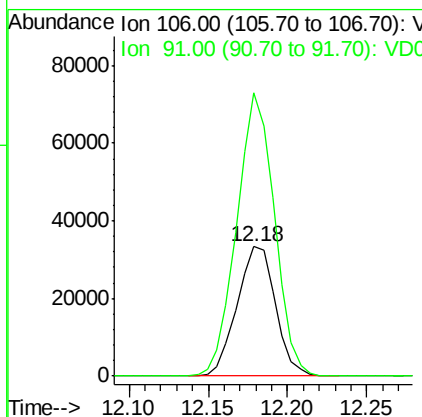
#69
o-Xylene
Concen: 20.487 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tot Ion:106 Resp: 56344
Ion Ratio Lower Upper
106 100
91 213.7 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

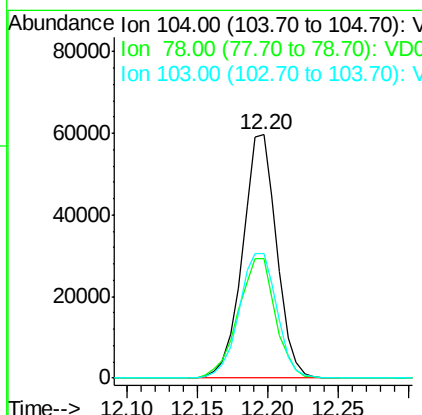
Manual Integrations
APPROVED

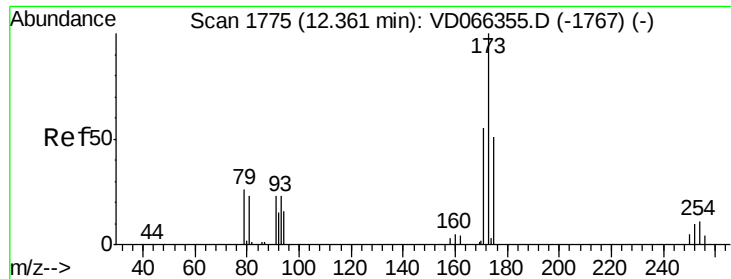
MMDadoda
8/28/2020 3:19:01 PM



#70
Styrene
Concen: 21.384 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion:104 Resp: 100982
Ion Ratio Lower Upper
104 100
78 53.9 41.7 62.5
103 56.6 43.5 65.3





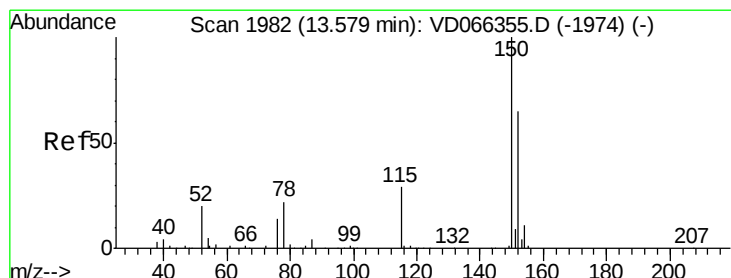
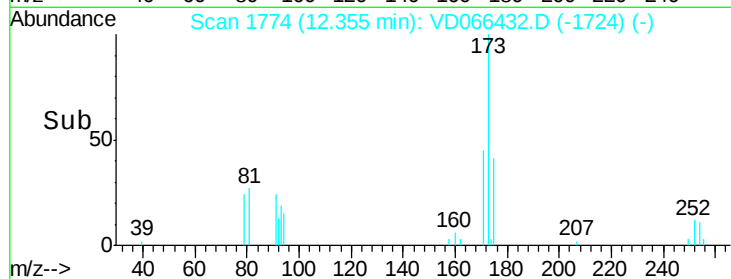
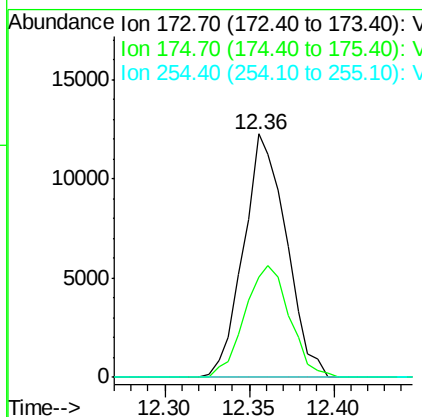
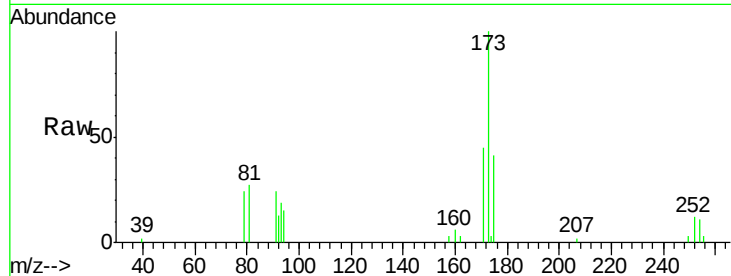
#71
Bromoform
Concen: 21.112 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.0	0.0	0.0

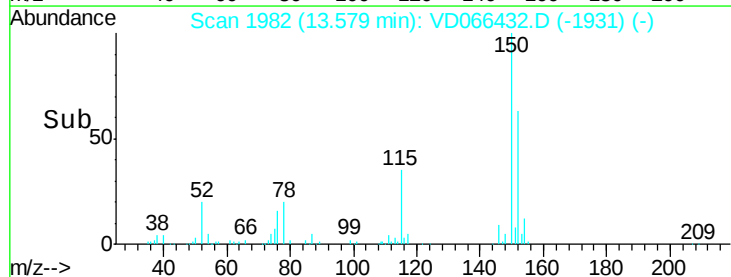
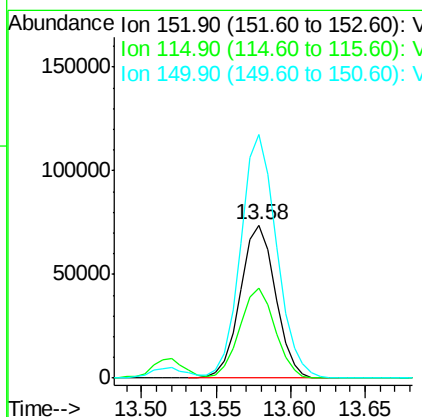
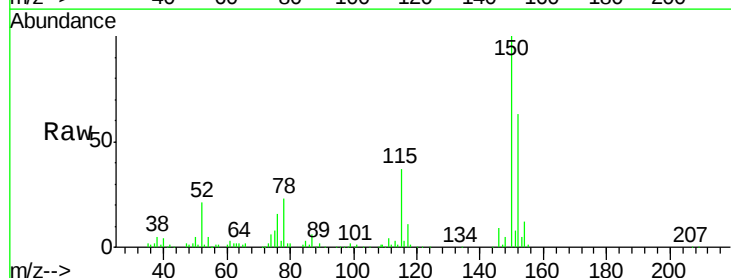
Manual Integrations
APPROVED

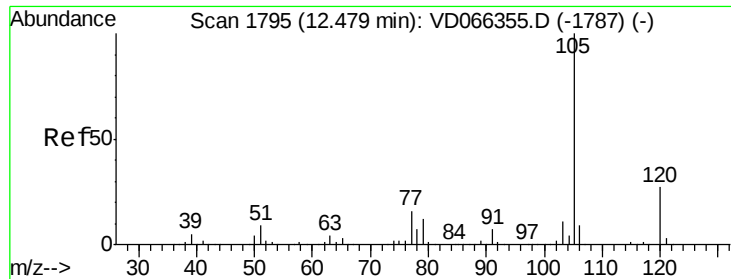
MMDadoda
8/28/2020 3:19:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	28.3	85.0
150	163.0	0.0	343.2





#73

Isopropylbenzene

Concen: 19.785 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 105 Resp: 159757

Ion Ratio Lower Upper

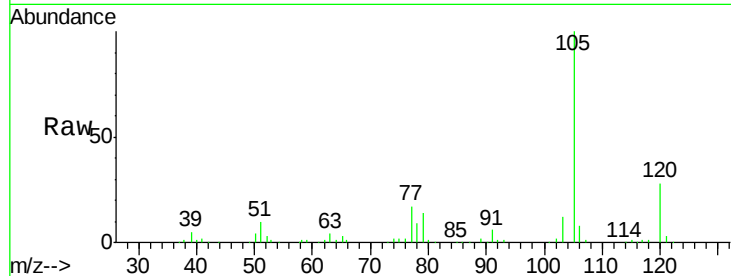
105 100

120 27.5 13.6 40.8

Manual Integrations
APPROVED

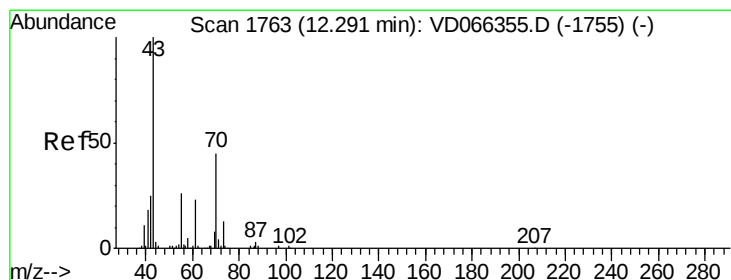
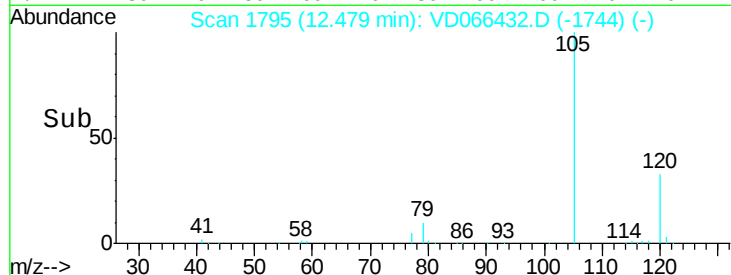
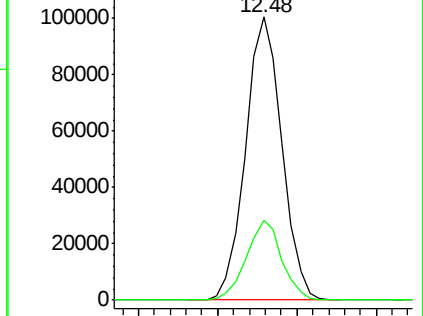
MMDadoda

8/28/2020 3:19:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.199 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion: 43 Resp: 26540

Ion Ratio Lower Upper

43 100

70 46.0 34.8 52.2

55 26.0 20.3 30.5

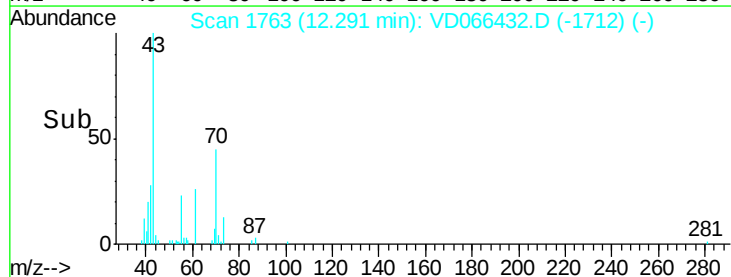
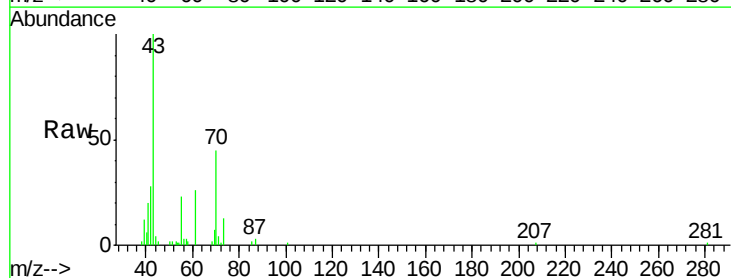
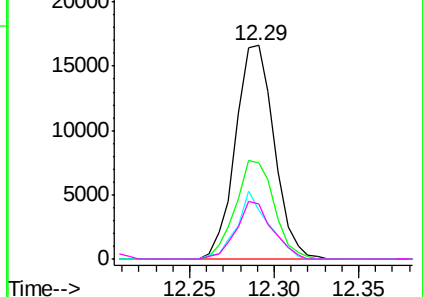
61 25.2 19.0 28.6

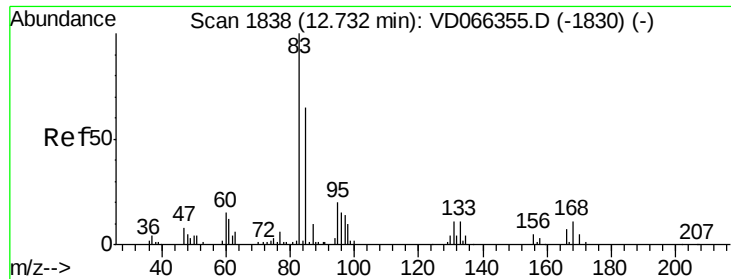
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.850 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

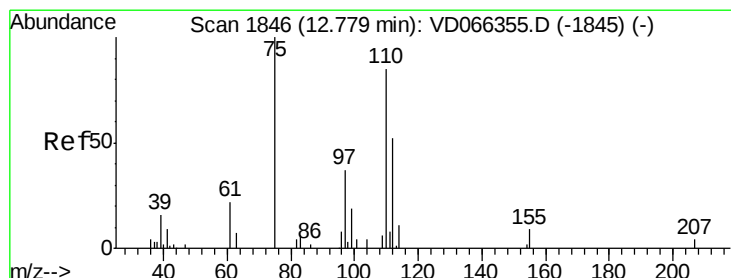
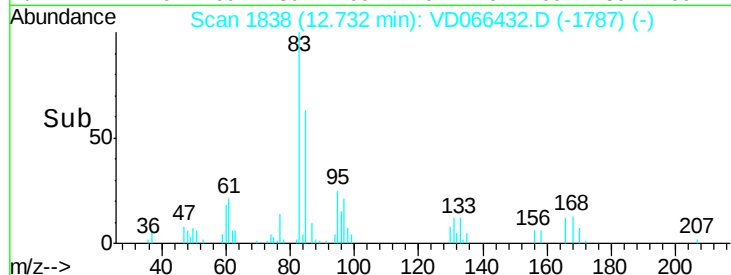
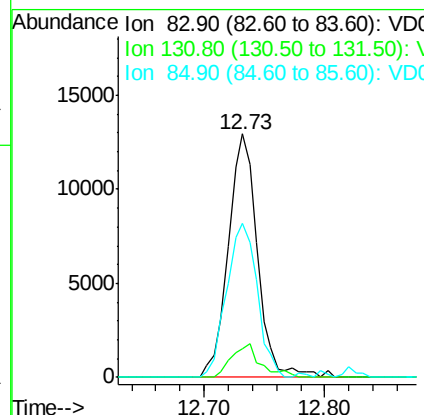
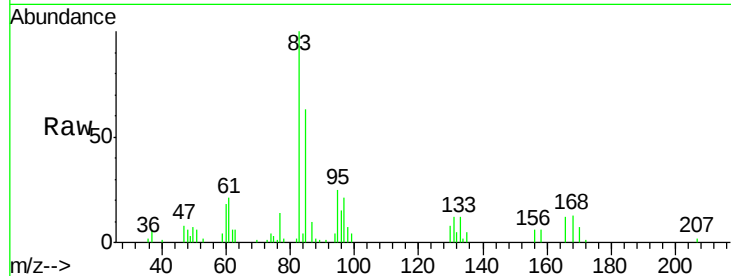
ClientSampleId :

VD0827SBS01

Tot Ion	83	Resp	21743
Ion Ratio	100	Lower	Upper
83	100		
131	13.7	7.0	20.9
85	66.4	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#76

1,2,3-Trichloropropane

Concen: 22.697 ug/l m

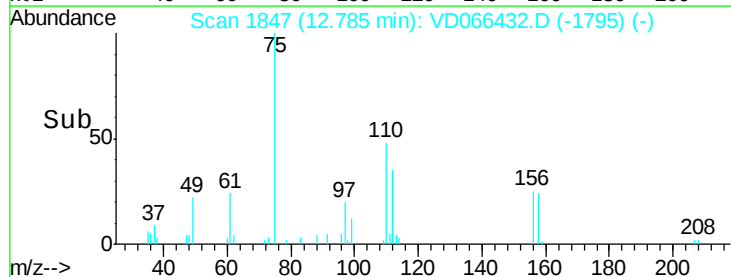
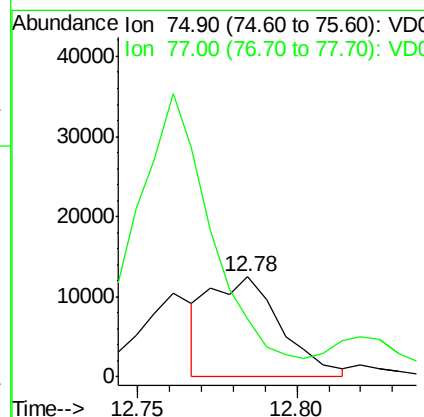
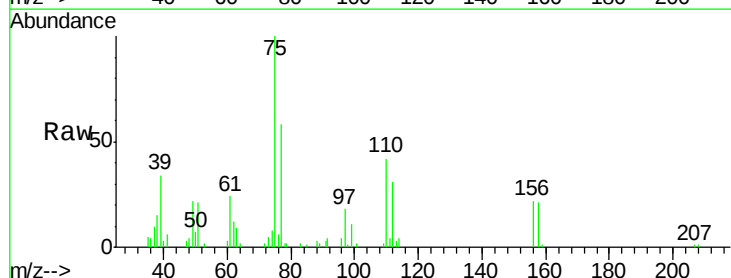
RT: 12.78 min Scan# 1847

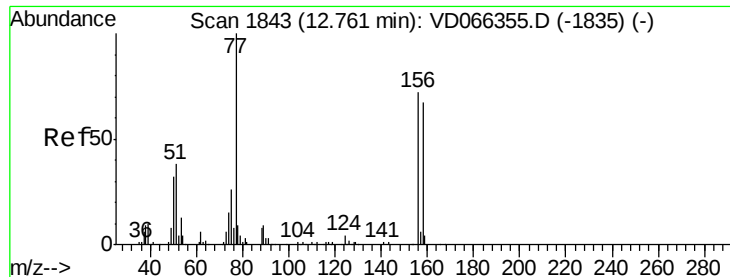
Delta R.T. 0.01 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion	75	Resp	19246
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 20.963 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:156 Resp: 42962

Ion Ratio Lower Upper

156 100

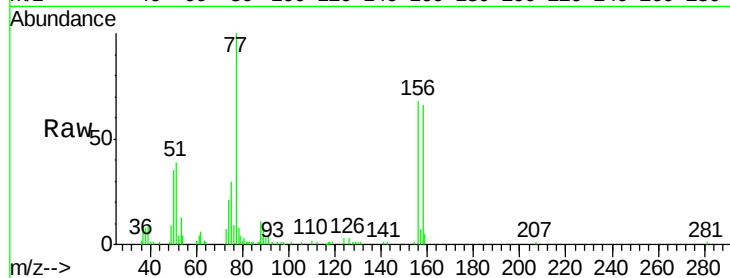
77 143.6 76.1 228.3

158 90.5 47.6 142.9

Manual Integrations
APPROVED

MMDadoda

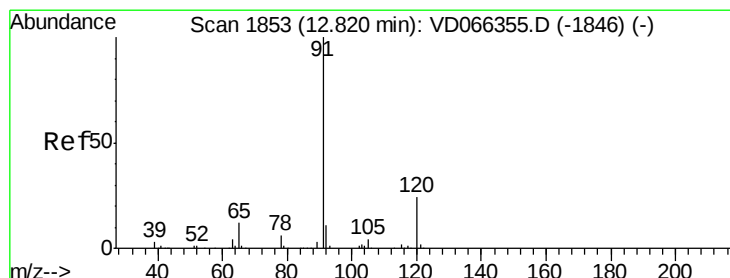
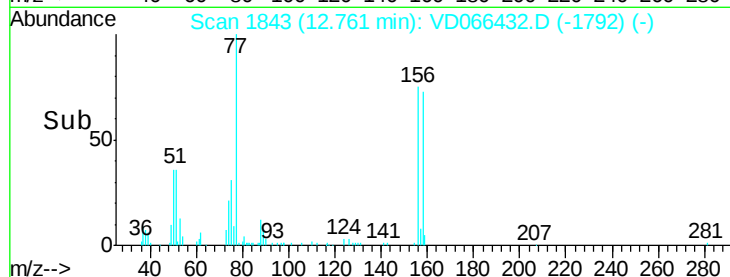
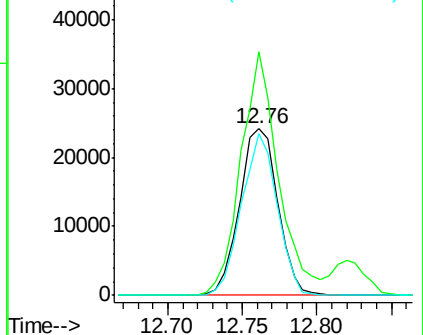
8/28/2020 3:19:01 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.636 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066432.D

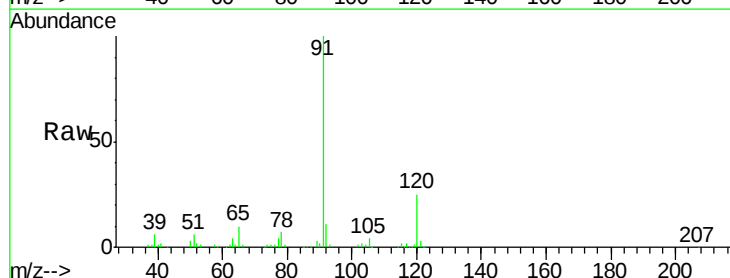
Acq: 27 Aug 2020 13:06

Tgt Ion: 91 Resp: 181790

Ion Ratio Lower Upper

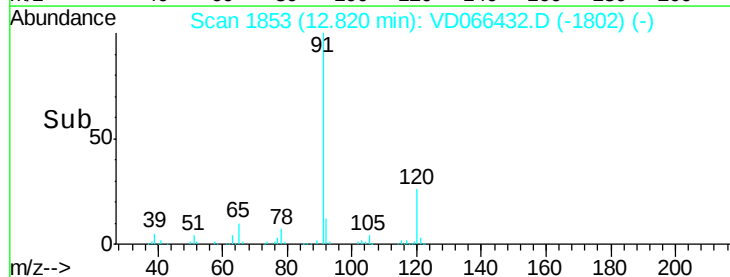
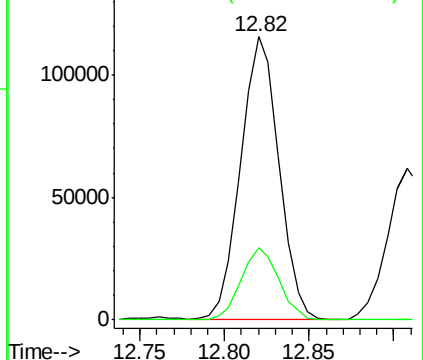
91 100

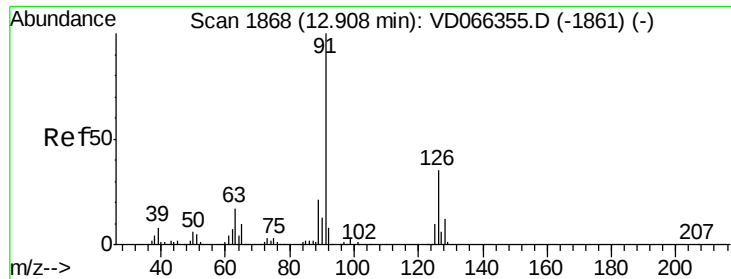
120 25.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





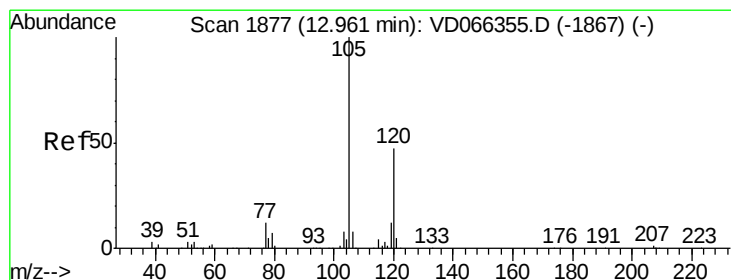
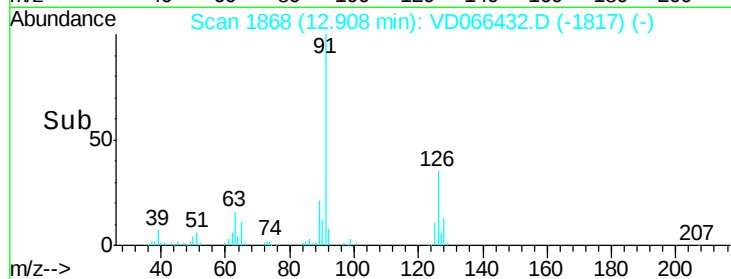
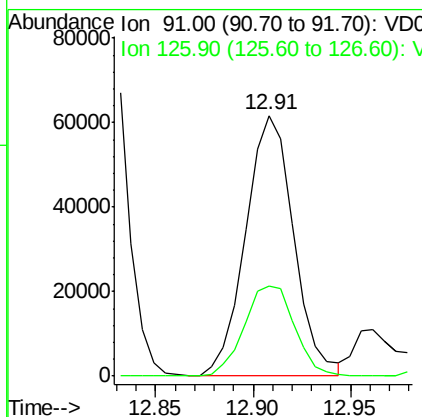
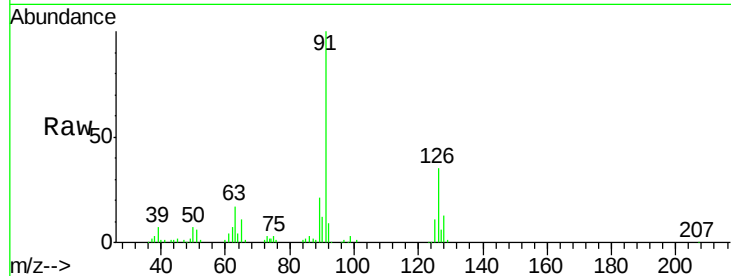
#79
 2-Chlorotoluene
 Concen: 19.886 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion: 91 Resp: 105153
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.7 53.1

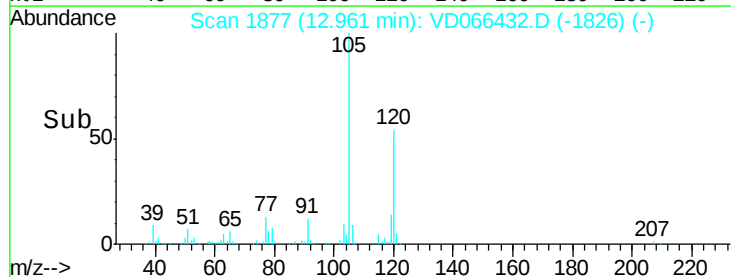
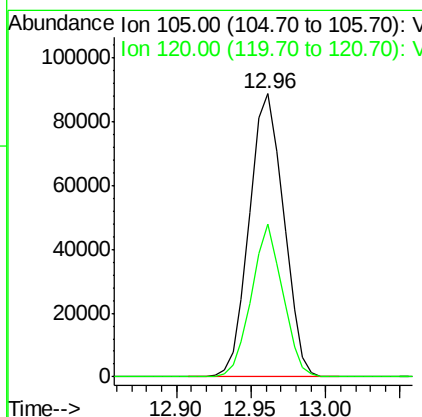
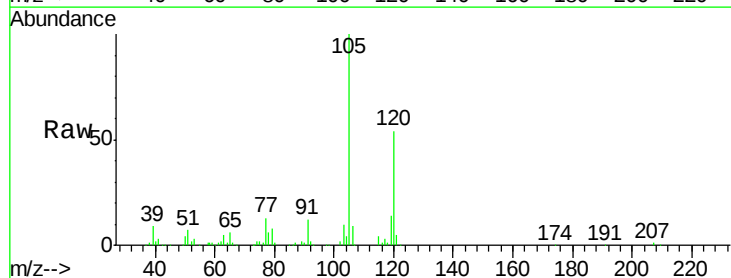
Manual Integrations
 APPROVED

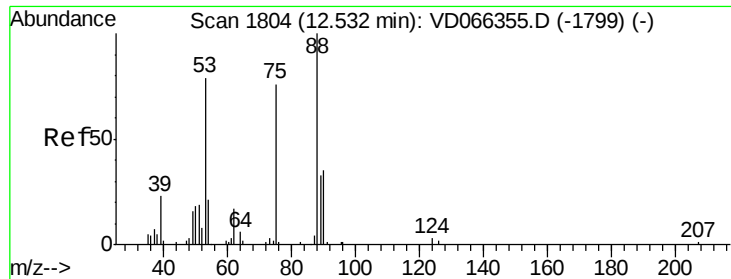
MMDadoda
 8/28/2020 3:19:01 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.357 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion:105 Resp: 141920
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.296 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

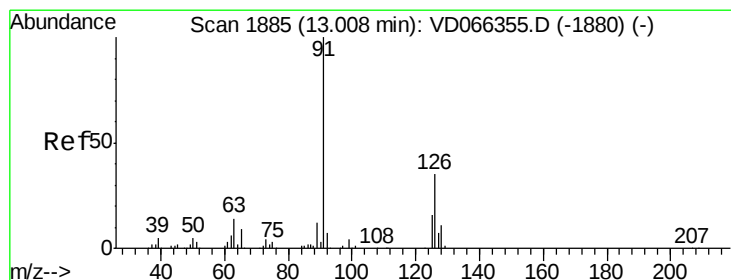
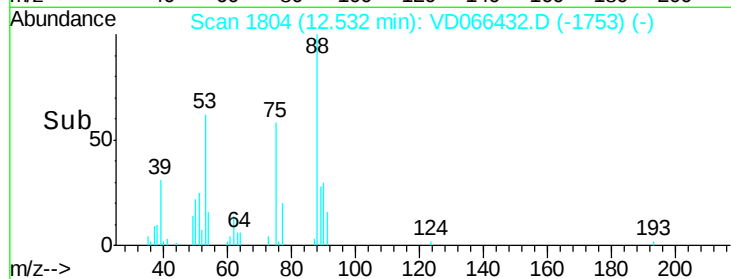
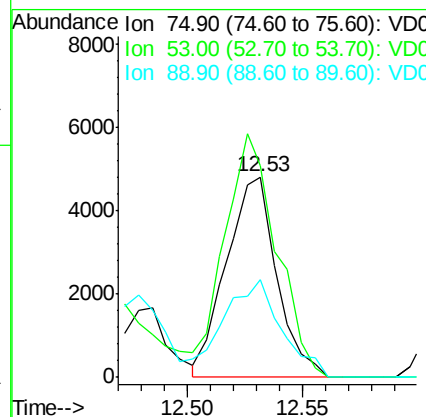
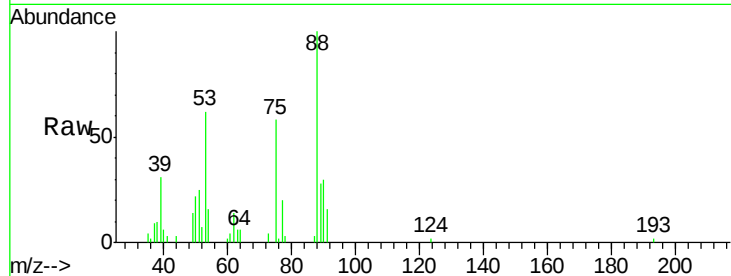
ClientSampleId :

VD0827SBS01

Tot Ion:	75	Resp:	7309
Ion	Ratio	Lower	Upper
75	100		
53	124.8	87.4	131.2
89	55.2	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#82

4-Chlorotoluene

Concen: 20.291 ug/l

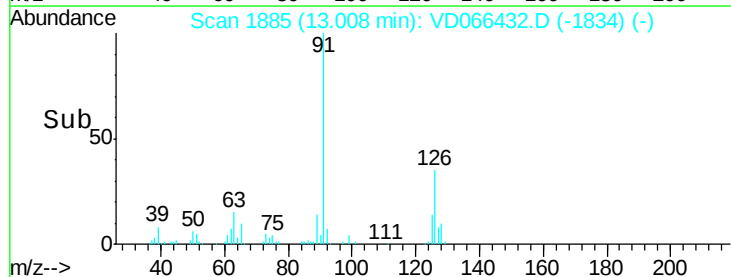
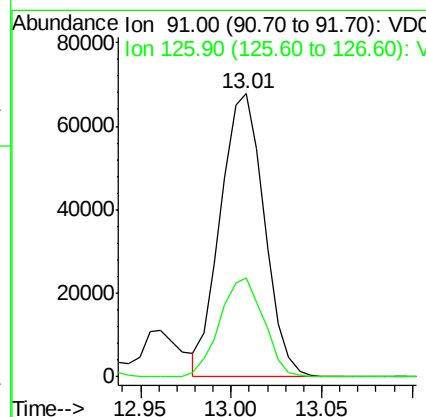
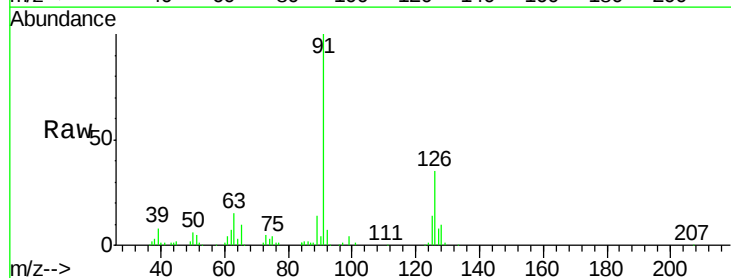
RT: 13.01 min Scan# 1885

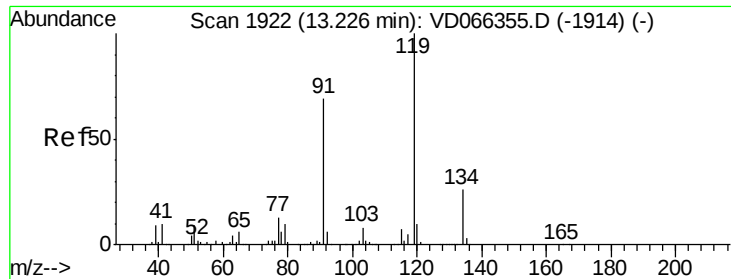
Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	91	Resp:	113672
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.2





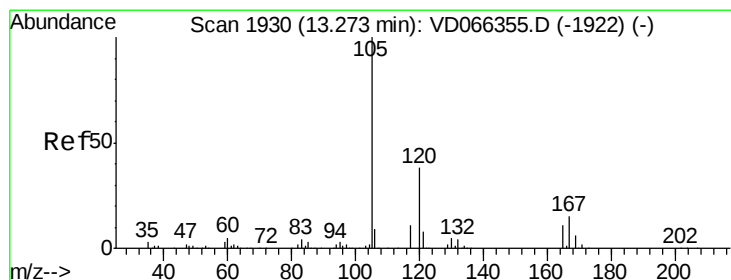
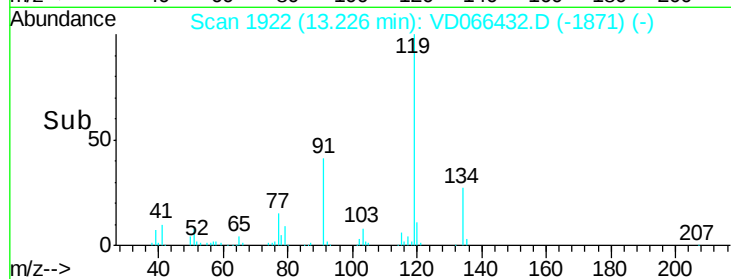
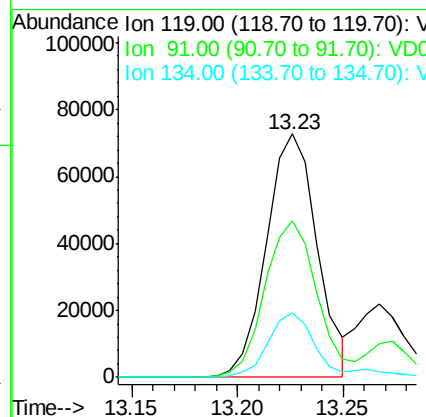
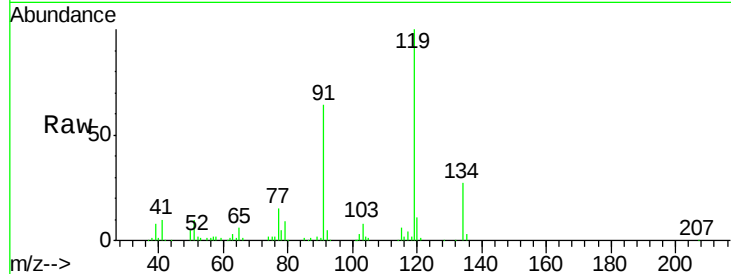
#83
tert-Butylbenzene
Concen: 20.118 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	121825		
91	66.5	33.5	100.5	
134	24.3	13.5	40.4	

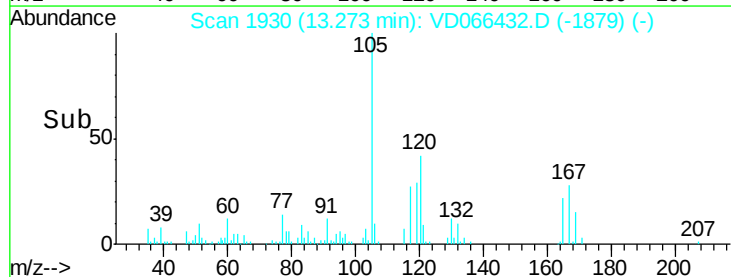
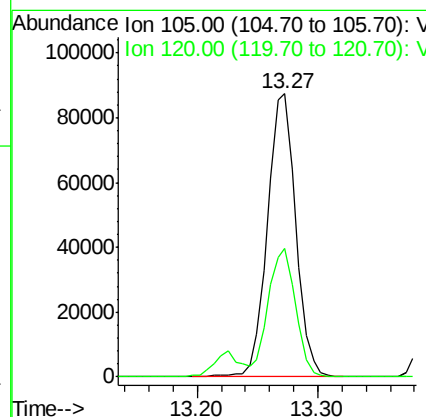
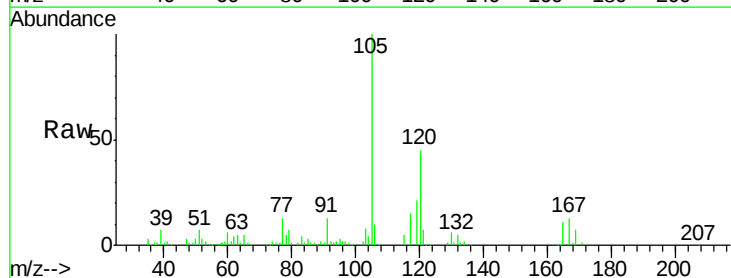
Manual Integrations
APPROVED

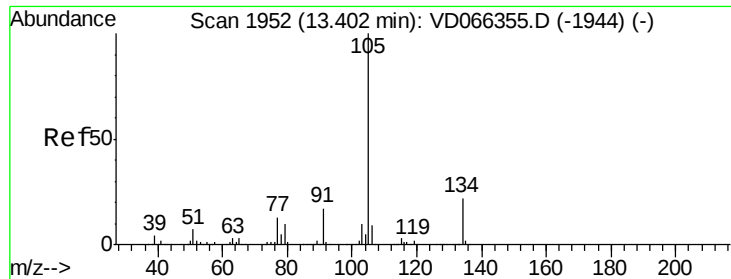
MMDadoda
8/28/2020 3:19:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.890 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143046		
120	43.9	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.746 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:105 Resp: 156666

Ion Ratio Lower Upper

105 100

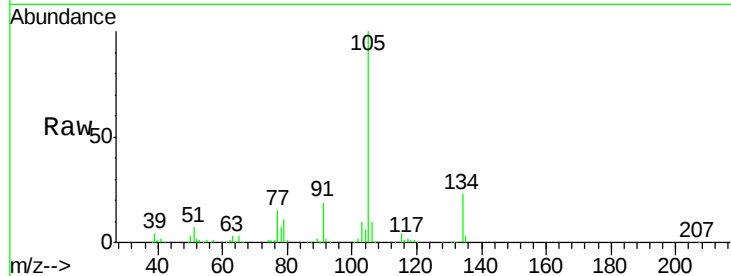
134 22.5 10.8 32.4

Manual Integrations

APPROVED

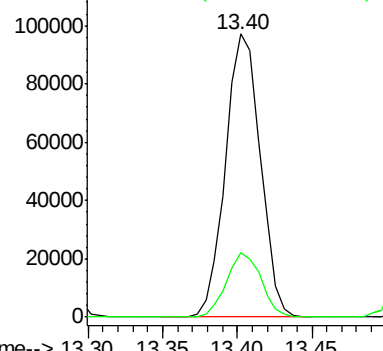
MMDadoda

8/28/2020 3:19:01 PM

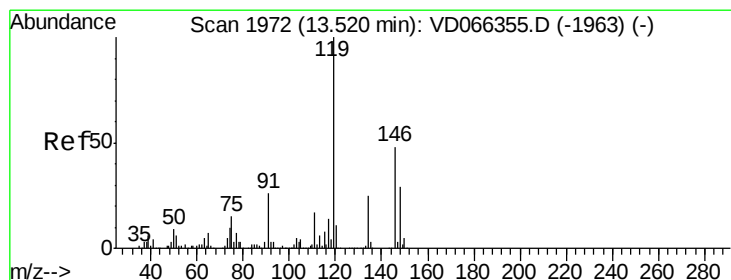
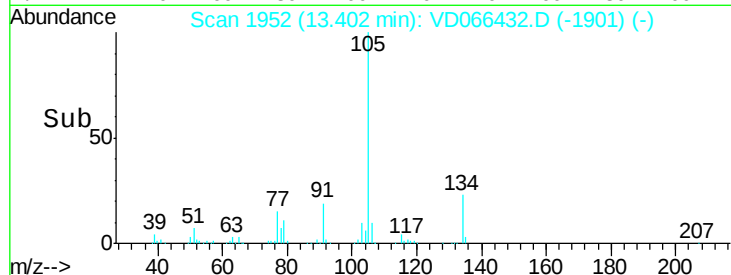


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 20.823 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

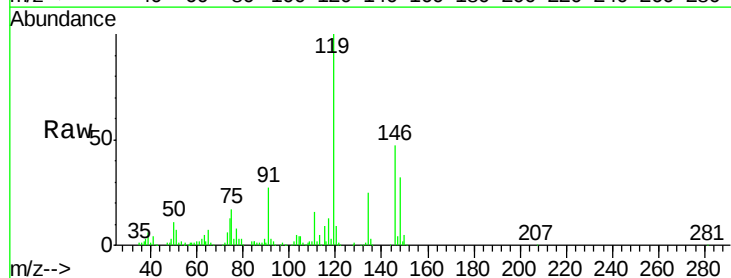
Tgt Ion:119 Resp: 159303

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

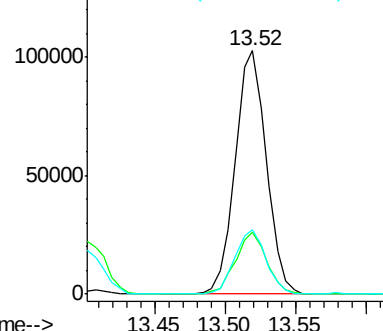
91 26.7 12.7 38.0



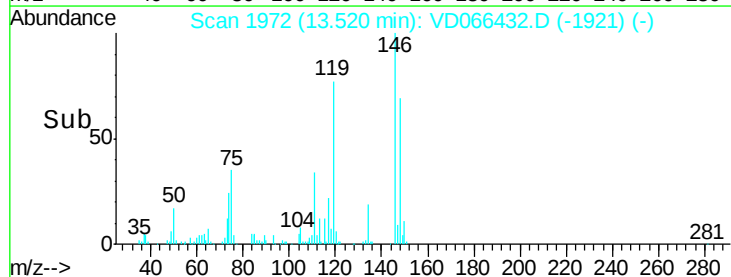
Abundance Ion 119.00 (118.70 to 119.70): V

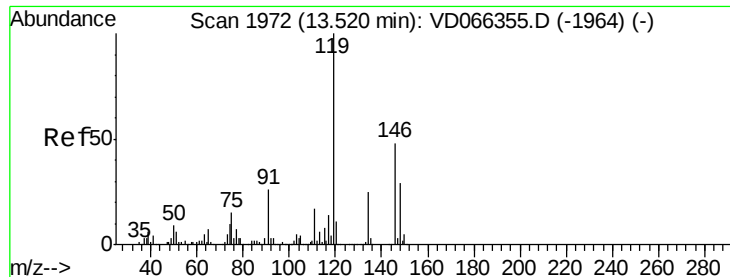
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 20.672 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

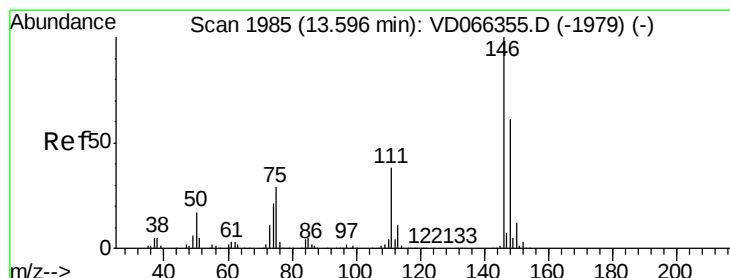
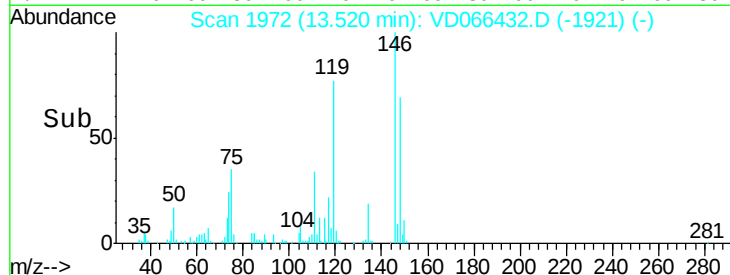
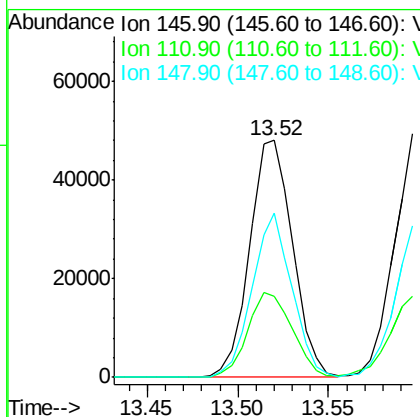
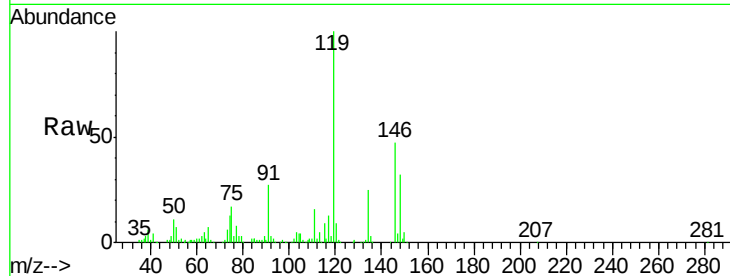
ClientSampleId :

VD0827SBS01

Tot Ion:	146	Resp:	79081
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.9	56.9
148	64.1	31.8	95.3

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#88

1,4-Dichlorobenzene

Concen: 20.965 ug/l

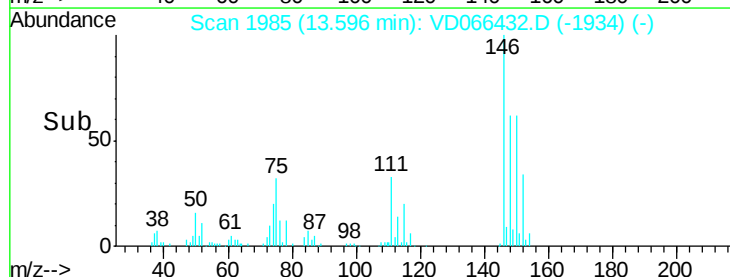
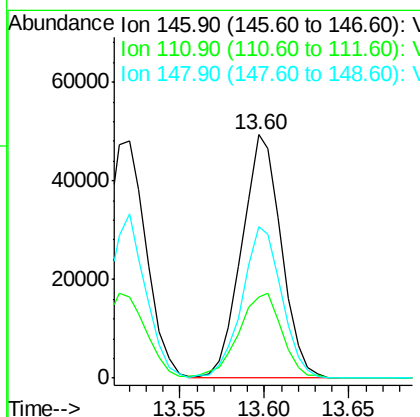
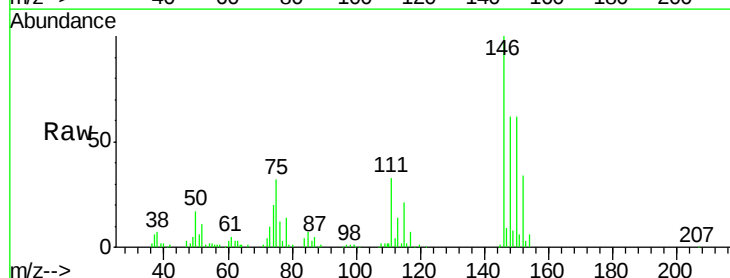
RT: 13.60 min Scan# 1985

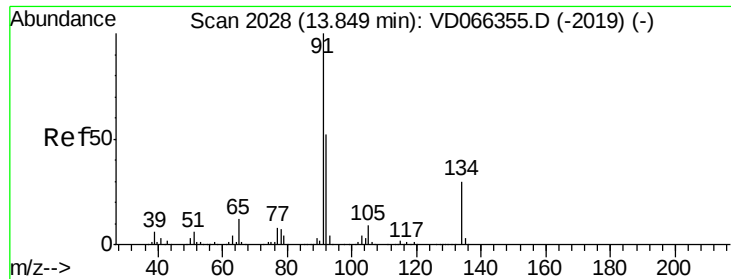
Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	146	Resp:	80531
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.5
148	62.3	32.1	96.3





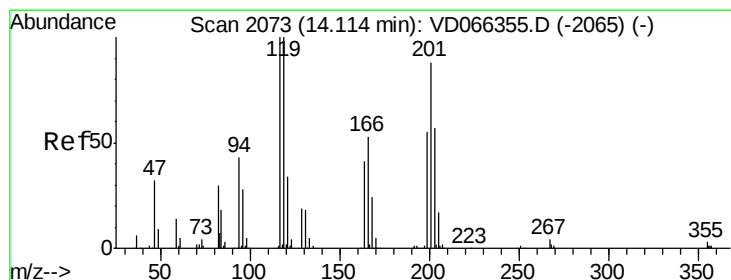
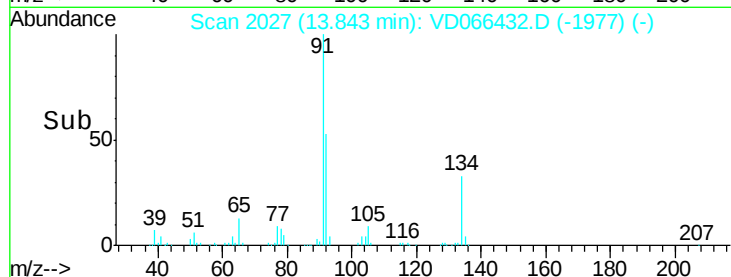
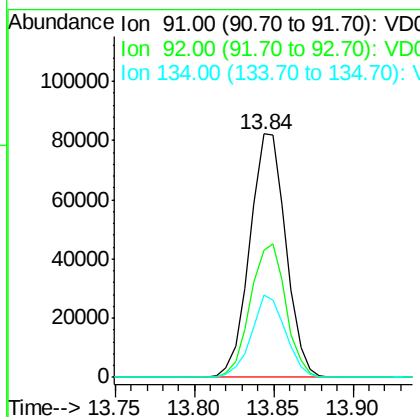
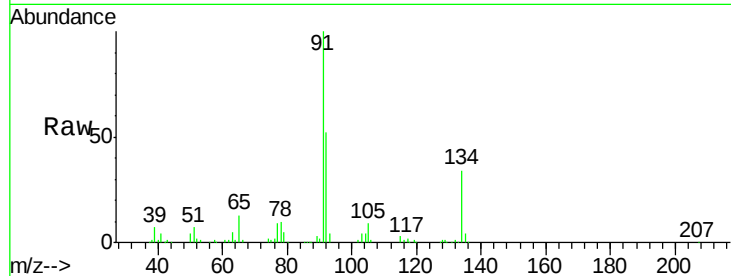
#89
n-Butylbenzene
Concen: 19.288 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	130209		
92	53.8	26.4	79.0	
134	31.7	14.4	43.4	

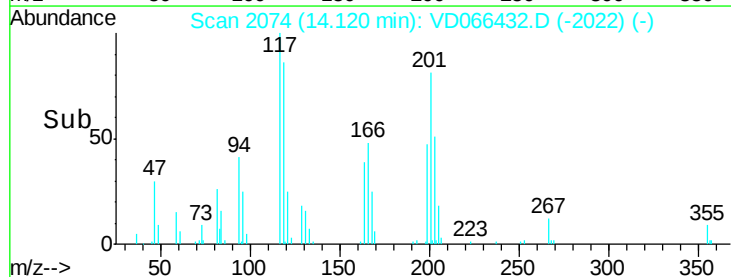
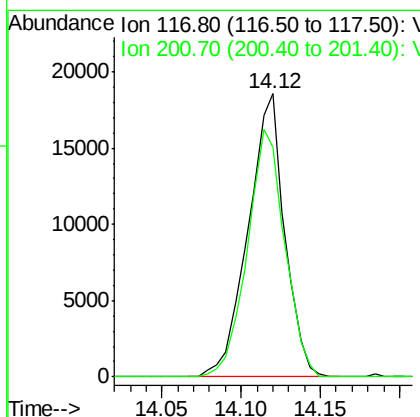
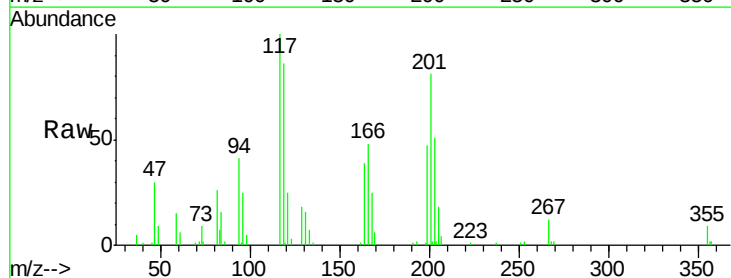
Manual Integrations
APPROVED

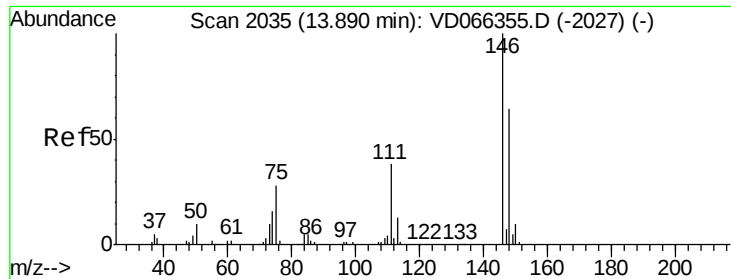
MMDadoda
8/28/2020 3:19:01 PM



#90
Hexachloroethane
Concen: 19.709 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066432.D
Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29784		
201	89.1	45.4	136.2	





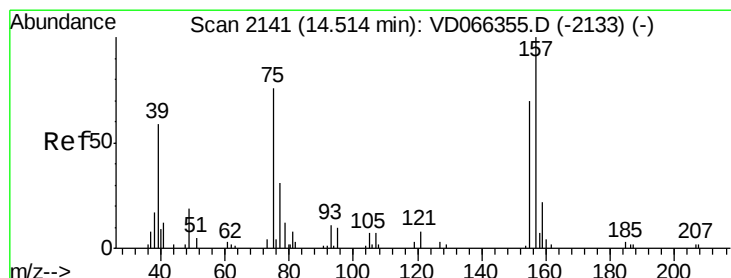
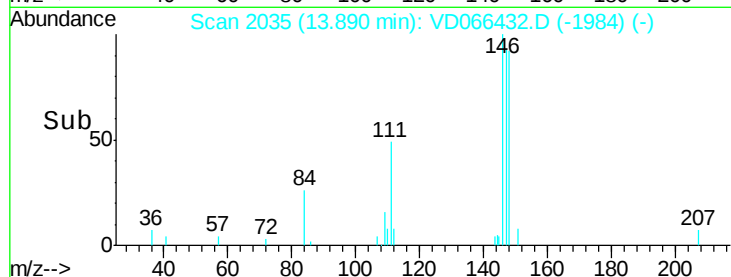
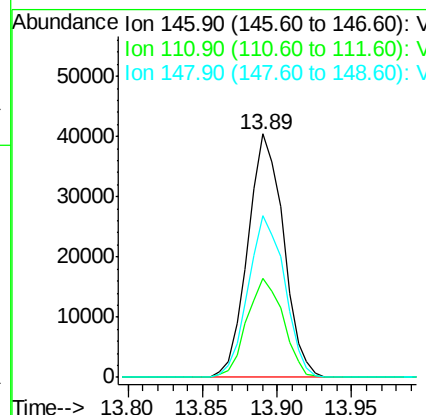
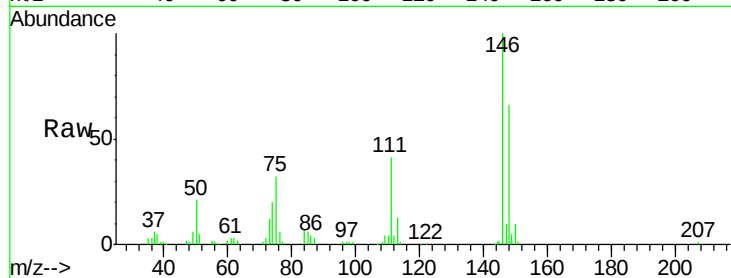
#91
 1,2-Dichlorobenzene
 Concen: 20.281 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.9	59.7
148	67.8	32.6	97.8

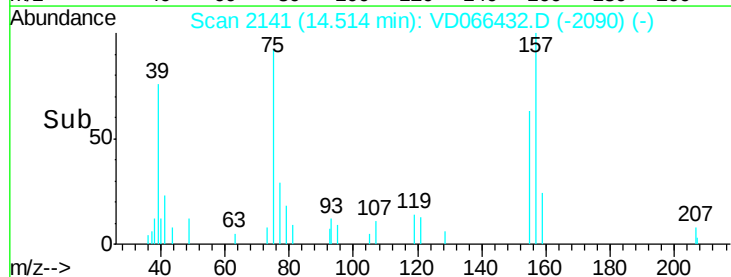
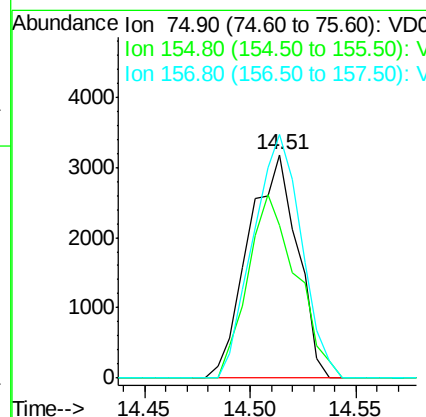
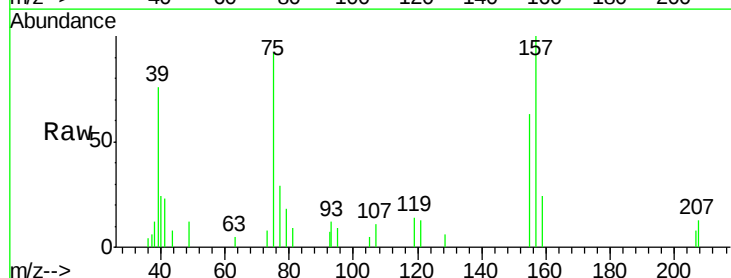
Manual Integrations
 APPROVED

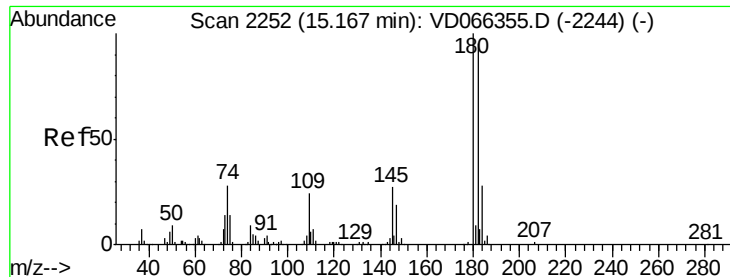
MMDadoda
 8/28/2020 3:19:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.184 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	46.9	140.6
157	107.4	61.0	183.0





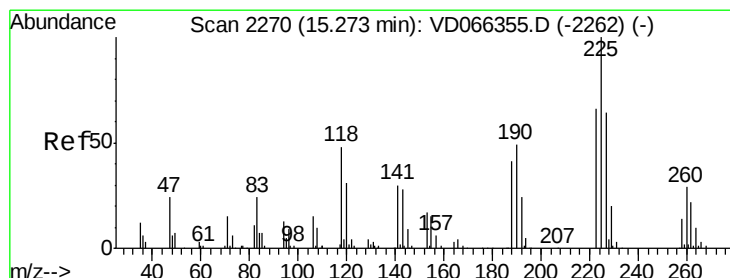
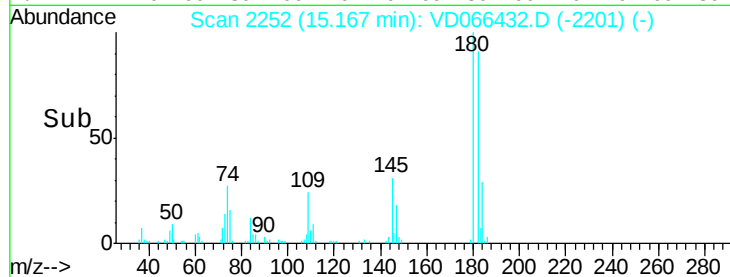
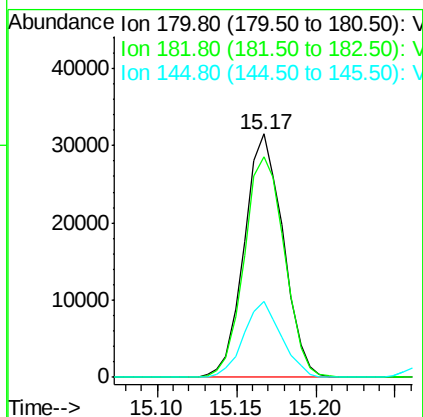
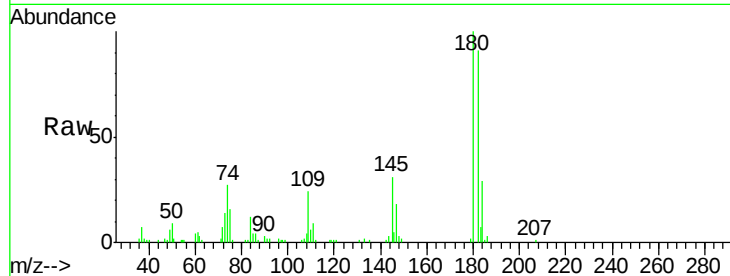
#93
 1,2,4-Trichlorobenzene
 Concen: 20.904 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.0	144.0
145	30.2	15.2	45.6

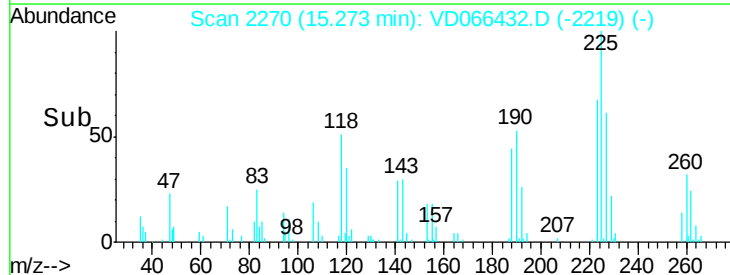
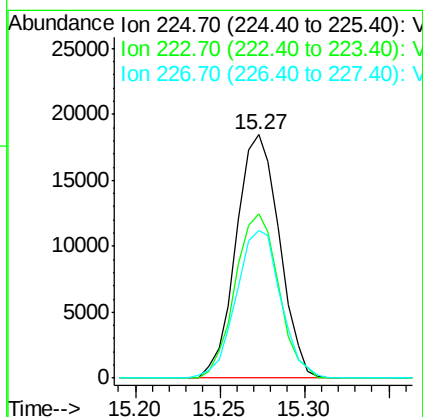
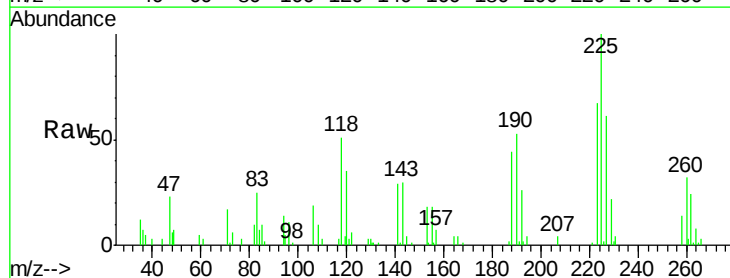
Manual Integrations
 APPROVED

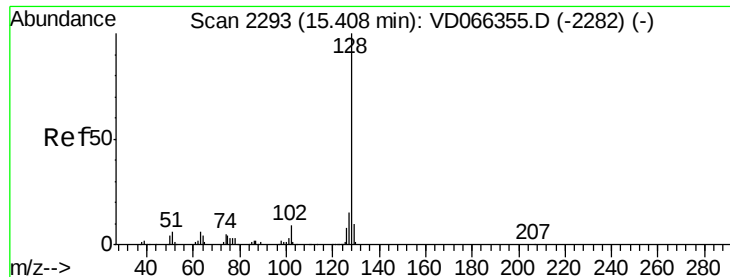
MMDadoda
 8/28/2020 3:19:01 PM



#94
 Hexachlorobutadiene
 Concen: 20.595 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066432.D
 Acq: 27 Aug 2020 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.6	32.5	97.4
227	62.7	33.0	98.9





#95

Naphthalene

Concen: 20.328 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Instrument :

MSVOA_D

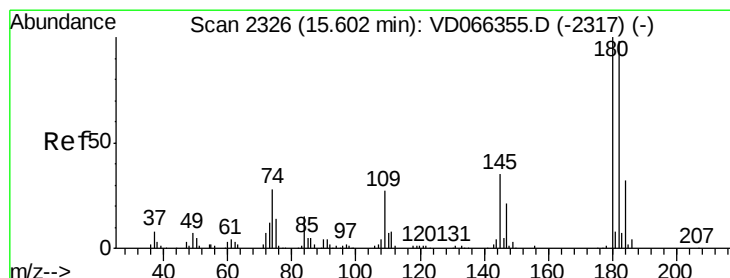
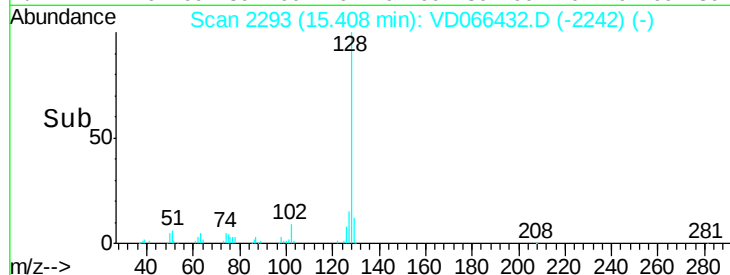
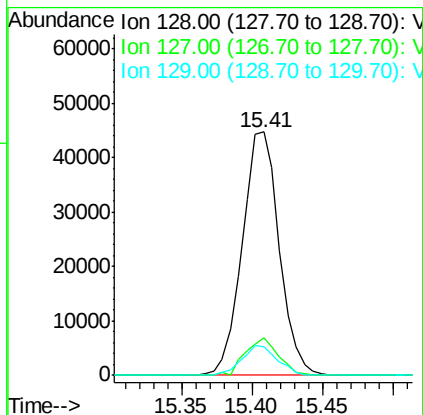
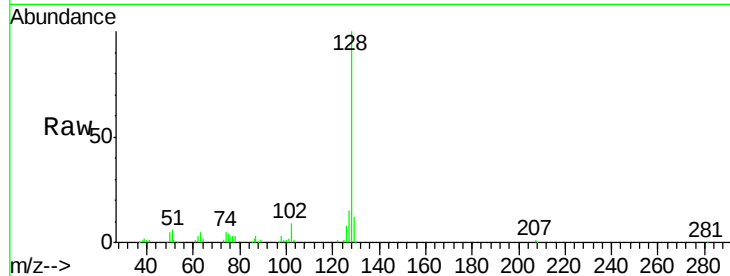
ClientSampleId :

VD0827SBS01

Tot Ion:	128	Resp:	82087
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.7	16.1
129	11.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:19:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.364 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066432.D

Acq: 27 Aug 2020 13:06

Tgt Ion:	180	Resp:	44851
Ion Ratio	Lower	Upper	
180	100		
182	97.1	46.7	140.0
145	33.5	16.0	48.0

