

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066360.D
 Acq On : 21 Aug 2020 15:32
 Operator : VA/SY
 Sample : VD0821SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:37:25 PM

Quant Time: Aug 22 02:29:28 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	245851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	340645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	313568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169149	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	123322	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.91	113	112249	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	10.34	98	419948	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.63	95	147794	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	47304	22.632	ug/l	89
3) Chloromethane	2.20	50	29517	19.923	ug/l	96
4) Vinyl Chloride	2.34	62	31167	19.593	ug/l	93
5) Bromomethane	2.75	94	21220	17.835	ug/l	96
6) Chloroethane	2.91	64	19261	18.910	ug/l	97
7) Trichlorofluoromethane	3.27	101	83362	19.272	ug/l	96
8) Diethyl Ether	3.71	74	18396	18.982	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41477	19.430	ug/l	97
10) Methyl Iodide	4.30	142	38100	15.649	ug/l	98
11) Tert butyl alcohol	5.21	59	16865m	94.809	ug/l	
12) 1,1-Dichloroethene	4.06	96	38374	19.151	ug/l	95
13) Acrolein	3.92	56	10313	96.353	ug/l	96
14) Allyl chloride	4.71	41	49462	18.494	ug/l	97
15) Acrylonitrile	5.41	53	38533	99.096	ug/l	94
16) Acetone	4.16	43	42368	97.501	ug/l	96
17) Carbon Disulfide	4.40	76	115084	18.951	ug/l	96
18) Methyl Acetate	4.72	43	16131	19.779	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	92509	19.173	ug/l #	92
20) Methylene Chloride	4.96	84	57311	21.009	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	42789	18.345	ug/l	96
22) Diisopropyl ether	6.36	45	95863	18.513	ug/l	94
23) Vinyl Acetate	6.30	43	308769	96.321	ug/l	99
24) 1,1-Dichloroethane	6.26	63	70122	19.162	ug/l	96
25) 2-Butanone	7.21	43	47337	95.958	ug/l	98
26) 2,2-Dichloropropane	7.20	77	76046	19.389	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	47211	18.890	ug/l	98
28) Bromochloromethane	7.54	49	23196	18.402	ug/l	99
29) Tetrahydrofuran	7.56	42	28777	102.704	ug/l	95
30) Chloroform	7.70	83	80215	18.946	ug/l	95
31) Cyclohexane	7.97	56	63789	19.060	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	85248	19.674	ug/l	97
36) 1,1-Dichloropropene	8.11	75	62556	20.126	ug/l	99
37) Ethyl Acetate	7.29	43	20496	19.388	ug/l #	94
38) Carbon Tetrachloride	8.08	117	80201	19.805	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066360.D
 Acq On : 21 Aug 2020 15:32
 Operator : VA/SY
 Sample : VD0821SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2020 4:37:25 PM

Quant Time: Aug 22 02:29:28 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	9.35	83	73544	20.087	ug/l	96
40) Benzene	8.35	78	160139	19.585	ug/l	98
41) Methacrylonitrile	7.53	41	13978m	21.441	ug/l	
42) 1,2-Dichloroethane	8.42	62	58801	20.418	ug/l	96
43) Isopropyl Acetate	8.44	43	41980	19.785	ug/l	98
44) Trichloroethene	9.10	130	53320	20.069	ug/l	92
45) 1,2-Dichloropropane	9.38	63	37218	20.078	ug/l	97
46) Dibromomethane	9.47	93	22210	19.244	ug/l	96
47) Bromodichloromethane	9.66	83	64578	20.346	ug/l #	98
48) Methyl methacrylate	9.45	41	23575	21.546	ug/l	90
49) 1,4-Dioxane	9.45	88	5364	400.256	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	102801	100.152	ug/l	99
52) Toluene	10.40	92	113997	20.578	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	60189	19.985	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	67625	20.004	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	31246	19.998	ug/l	97
56) Ethyl methacrylate	10.66	69	35011	19.357	ug/l	96
57) 1,3-Dichloropropane	10.94	76	51590	19.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	76548	101.900	ug/l	98
59) 2-Hexanone	10.98	43	76271	105.343	ug/l	100
60) Dibromochloromethane	11.14	129	46161	19.600	ug/l	98
61) 1,2-Dibromoethane	11.24	107	30614	19.910	ug/l	98
64) Tetrachloroethene	10.87	164	46847	19.694	ug/l	94
65) Chlorobenzene	11.67	112	124277	19.921	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	50781	19.918	ug/l	96
67) Ethyl Benzene	11.74	91	218642	19.910	ug/l	93
68) m/p-Xylenes	11.85	106	168535	40.266	ug/l	95
69) o-Xylene	12.18	106	79699	20.468	ug/l	96
70) Styrene	12.19	104	136956	20.484	ug/l	99
71) Bromoform	12.36	173	29676	20.517	ug/l #	99
73) Isopropylbenzene	12.48	105	222515	19.637	ug/l	100
74) N-amyl acetate	12.29	43	39669	19.383	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	31914	19.716	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	21723m	18.255	ug/l	
77) Bromobenzene	12.76	156	55931	19.448	ug/l	97
78) n-propylbenzene	12.82	91	257807	19.843	ug/l	99
79) 2-Chlorotoluene	12.91	91	142862	19.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	191401	19.564	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10587	18.885	ug/l	89
82) 4-Chlorotoluene	13.01	91	149549	19.022	ug/l	96
83) tert-Butylbenzene	13.23	119	162642	19.139	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	190388	19.813	ug/l	98
85) sec-Butylbenzene	13.40	105	220588	19.812	ug/l	99
86) p-Isopropyltoluene	13.52	119	213712	19.907	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	106247	19.791	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	106018	19.668	ug/l	99
89) n-Butylbenzene	13.84	91	183132	19.331	ug/l	99
90) Hexachloroethane	14.11	117	40745	19.213	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	93692	20.273	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6209	18.289	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082120\
Data File : VD066360.D
Acq On : 21 Aug 2020 15:32
Operator : VA/SY
Sample : VD0821SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

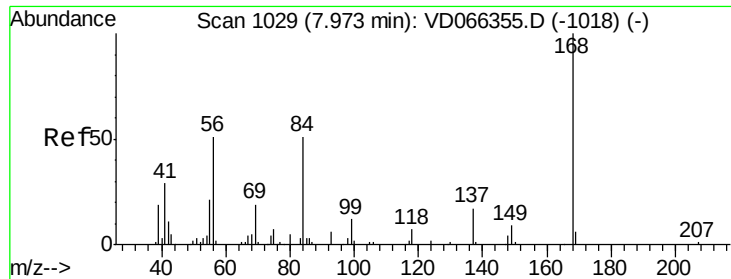
Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM

Quant Time: Aug 22 02:29:28 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	70244	19.469	ug/l	98
94) Hexachlorobutadiene	15.27	225	43595	19.443	ug/l	96
95) Naphthalene	15.41	128	108190	19.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	60143	19.459	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:168 Resp: 245851

Ion Ratio Lower Upper

168 100

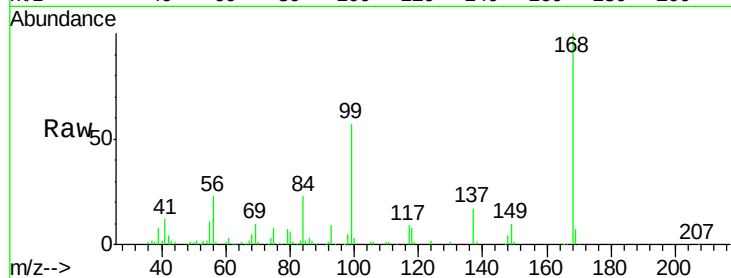
99 56.3 45.4 68.0

Manual Integrations

APPROVED

MMDadoda

8/24/2020 4:37:25 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

60000

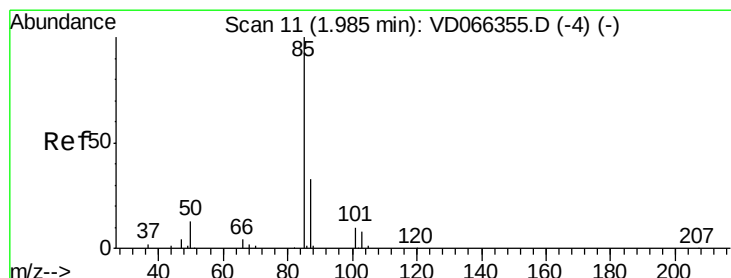
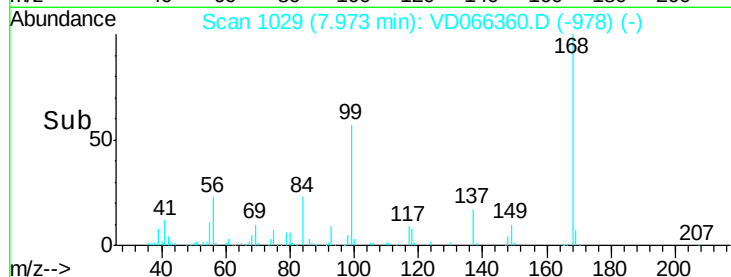
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.632 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066360.D

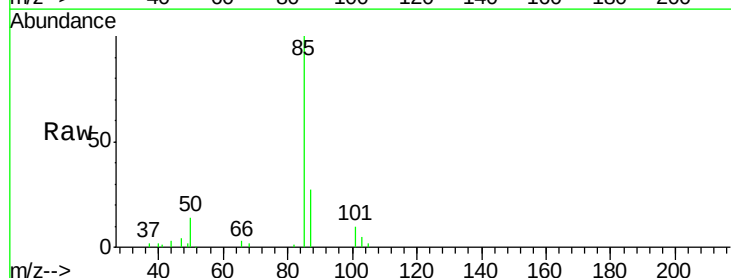
Acq: 21 Aug 2020 15:32

Tgt Ion: 85 Resp: 47304

Ion Ratio Lower Upper

85 100

87 26.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

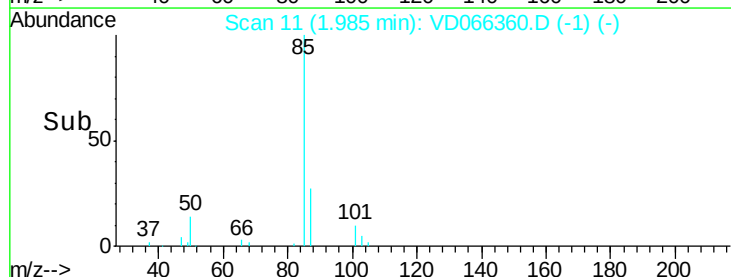
20000

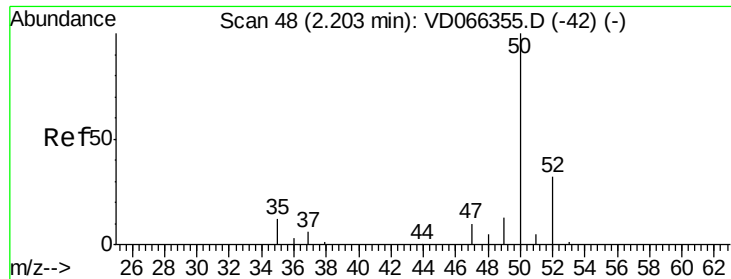
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.923 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 50 Resp: 29517

Ion Ratio Lower Upper

50 100

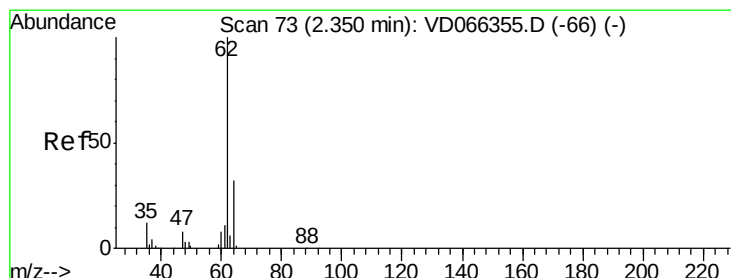
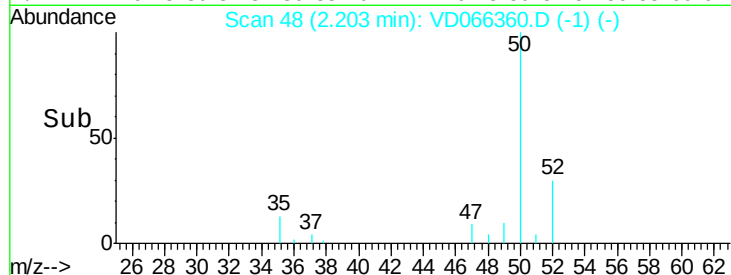
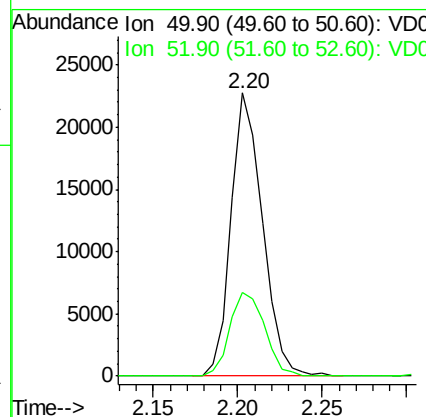
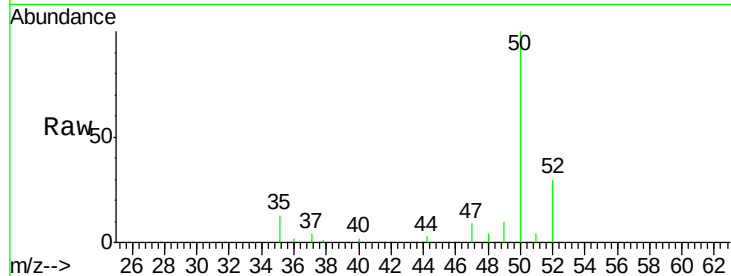
52 29.6 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

8/24/2020 4:37:25 PM



#4

Vinyl Chloride

Concen: 19.593 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066360.D

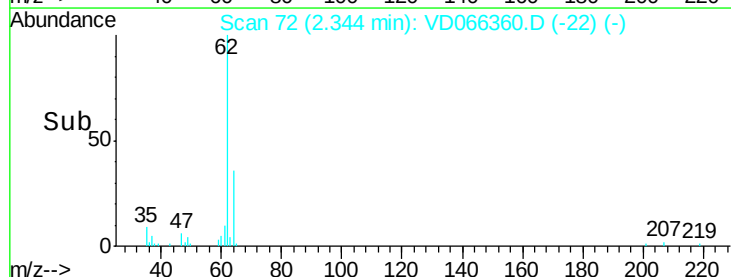
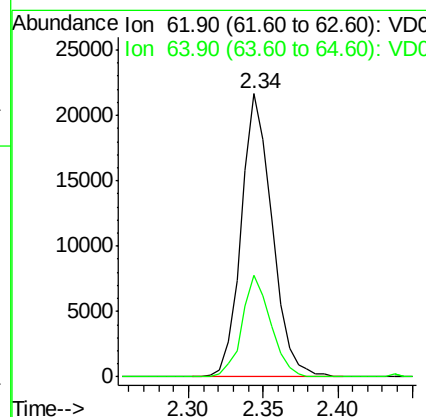
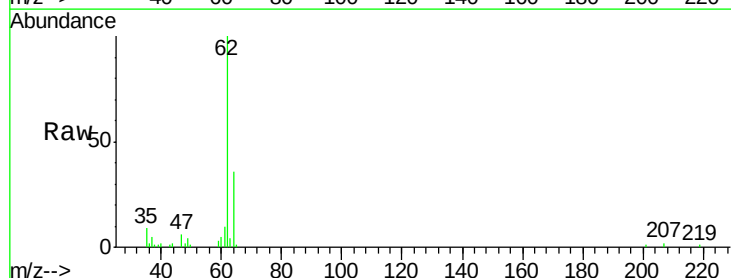
Acq: 21 Aug 2020 15:32

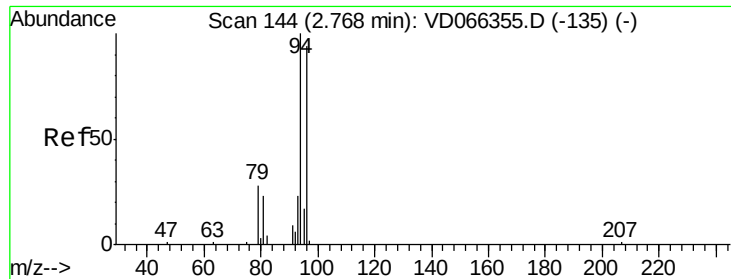
Tgt Ion: 62 Resp: 31167

Ion Ratio Lower Upper

62 100

64 35.8 25.4 38.2





#5

Bromomethane

Concen: 17.835 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 94 Resp: 21220

Ion Ratio Lower Upper

94 100

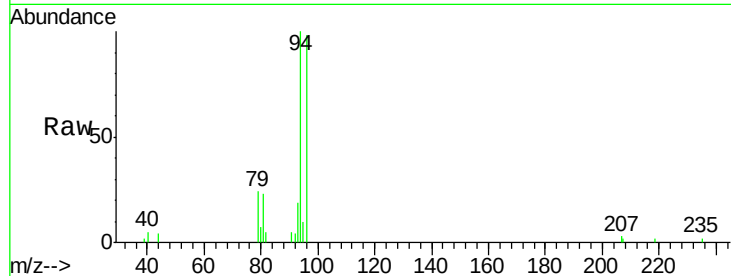
96 97.7 75.0 112.4

Manual Integrations

APPROVED

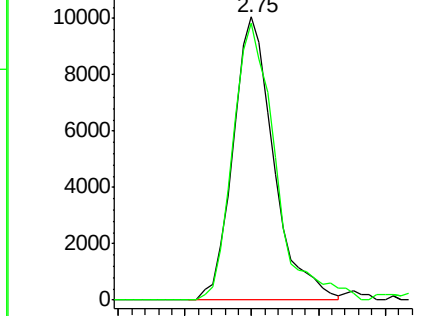
MMDadoda

8/24/2020 4:37:25 PM

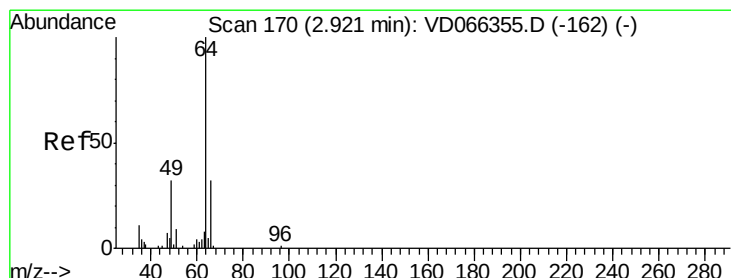
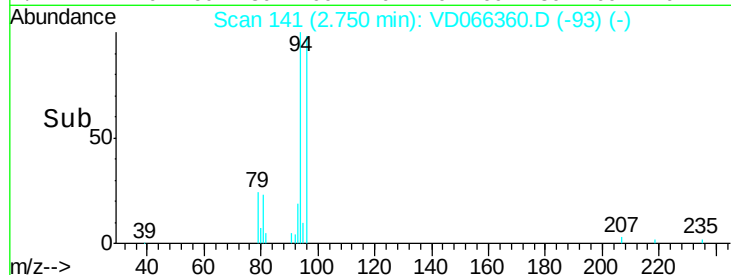


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 18.910 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066360.D

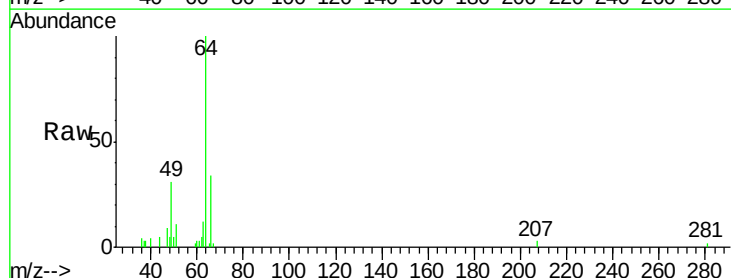
Acq: 21 Aug 2020 15:32

Tgt Ion: 64 Resp: 19261

Ion Ratio Lower Upper

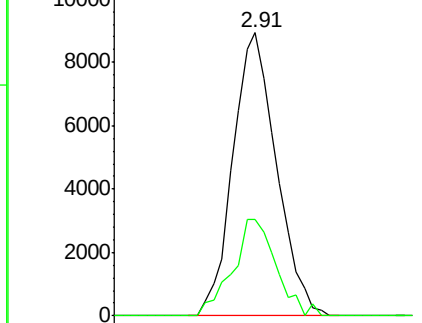
64 100

66 34.2 25.9 38.9

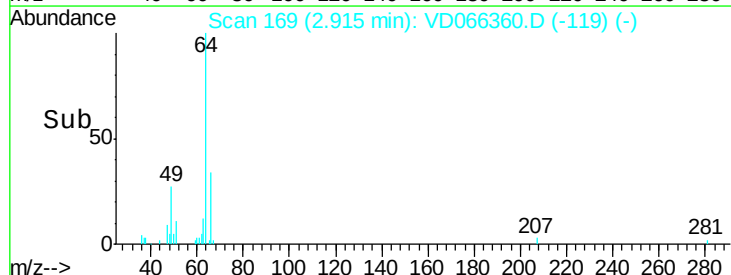


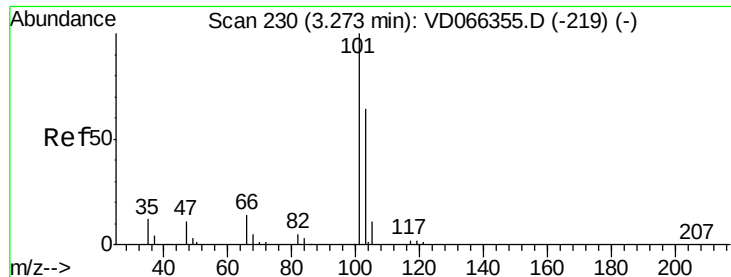
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

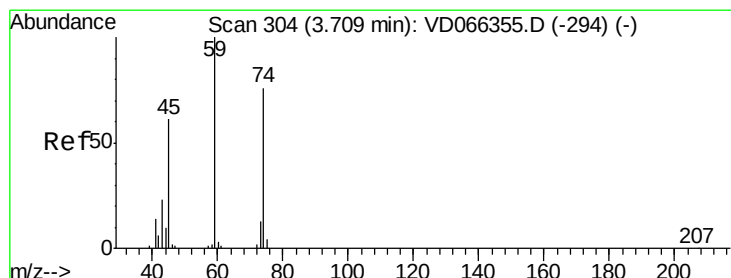
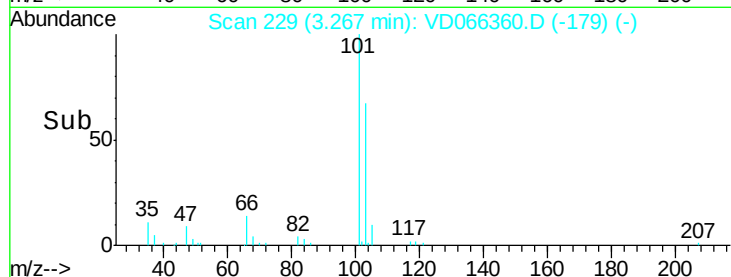
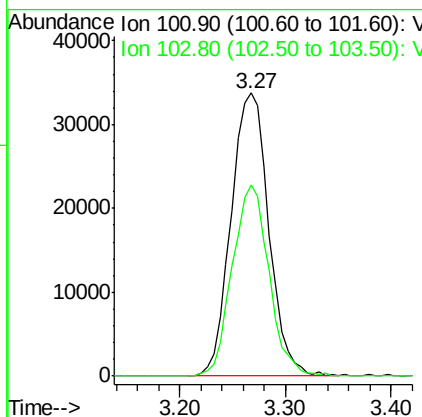
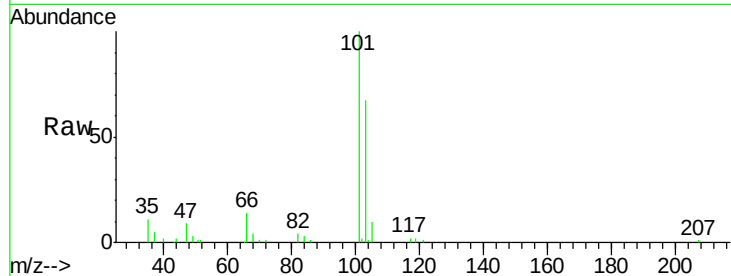
Trichlorofluoromethane
 Concen: 19.272 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.4	77.0

Manual Integrations
 APPROVED

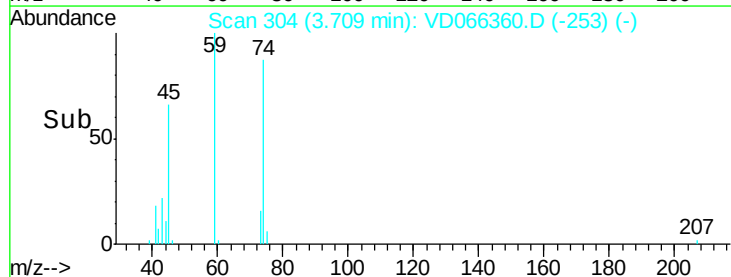
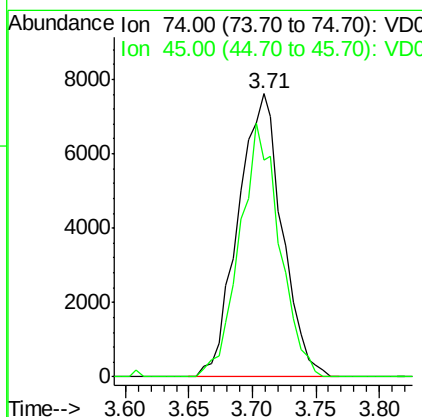
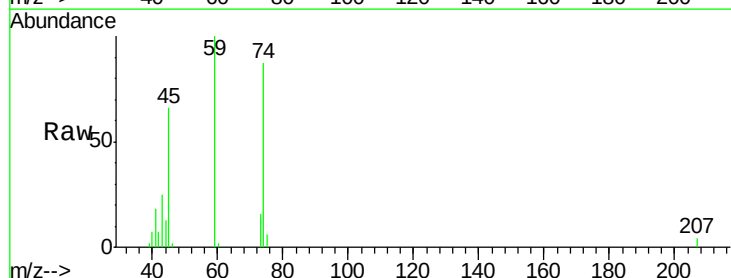
MMDadoda
 8/24/2020 4:37:25 PM

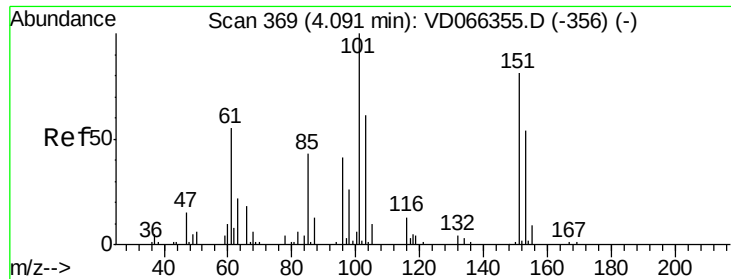


#8

Diethyl Ether
 Concen: 18.982 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.2	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.430 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

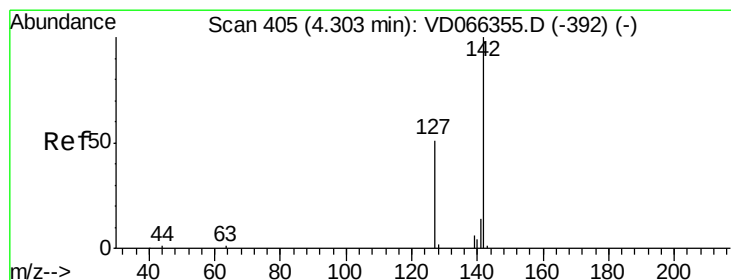
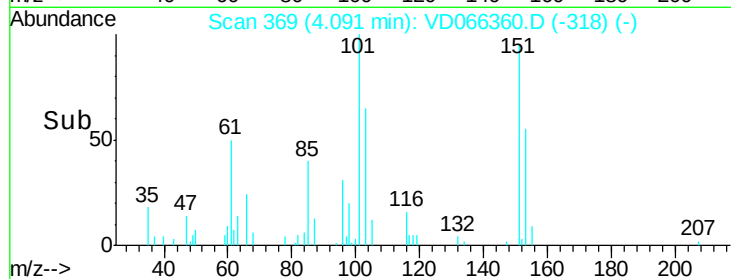
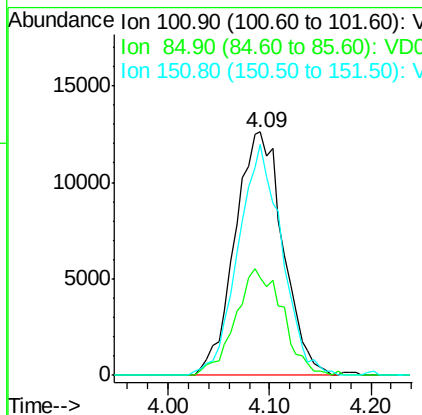
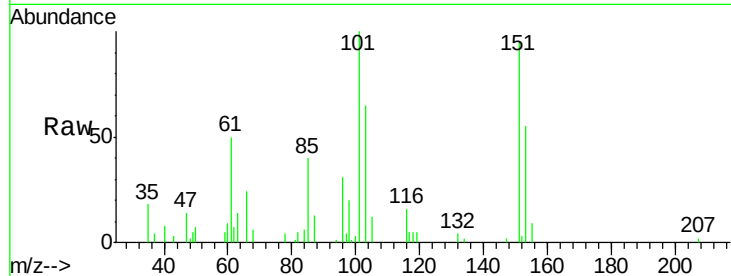
ClientSampleId :

VD0821SBS01

Tot Ion:	101	Resp:	41477
Ion Ratio	Lower	Upper	
101	100		
85	42.9	36.4	54.6
151	86.1	70.5	105.7

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#10

Methyl Iodide

Concen: 15.649 ug/l

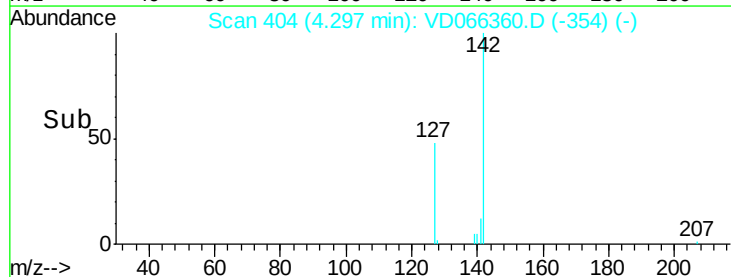
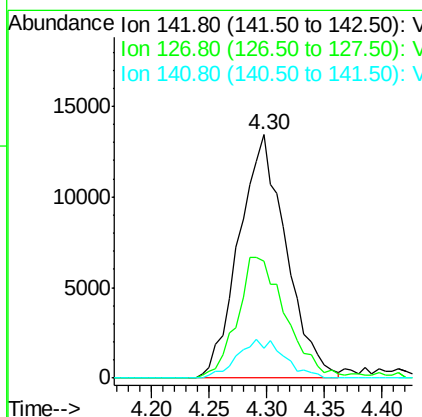
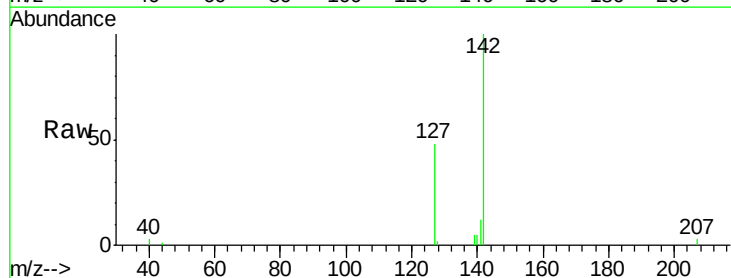
RT: 4.30 min Scan# 404

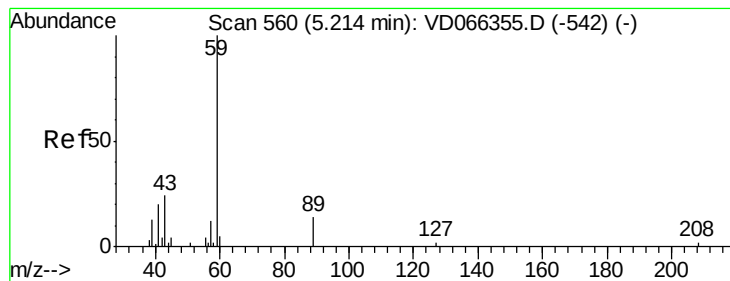
Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion:	142	Resp:	38100
Ion Ratio	Lower	Upper	
142	100		
127	51.4	41.8	62.8
141	15.8	11.8	17.6





#11

Tert butyl alcohol

Concen: 94.809 ug/l m

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 59 Resp: 16865

Ion Ratio Lower Upper

59 100

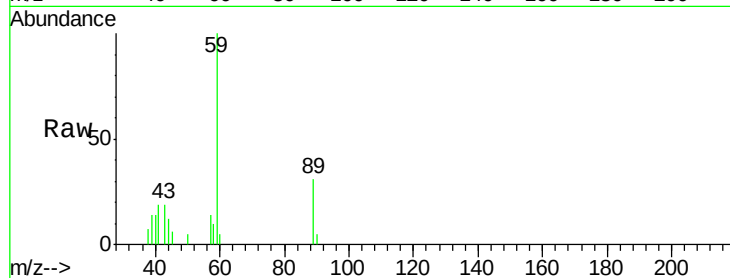
57 4.9 9.0 13.4#

Manual Integrations

APPROVED

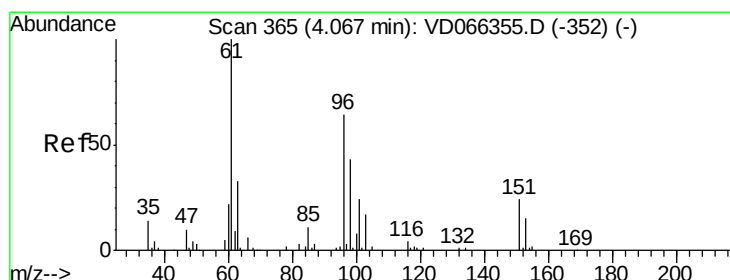
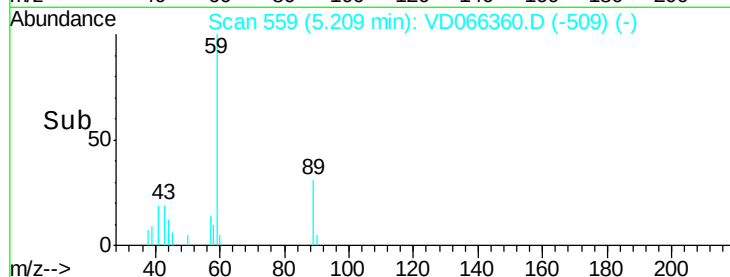
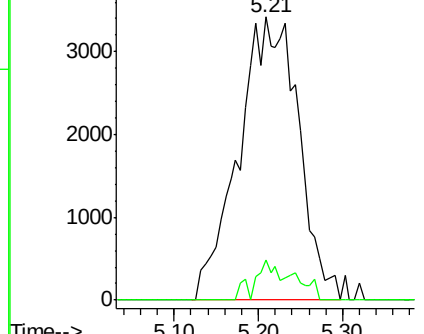
MMDadoda

8/24/2020 4:37:25 PM



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.151 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

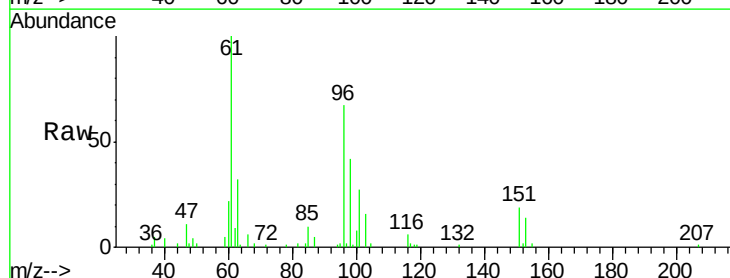
Tgt Ion: 96 Resp: 38374

Ion Ratio Lower Upper

96 100

61 147.7 124.3 186.5

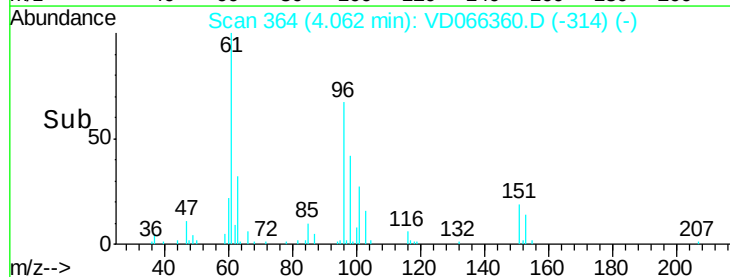
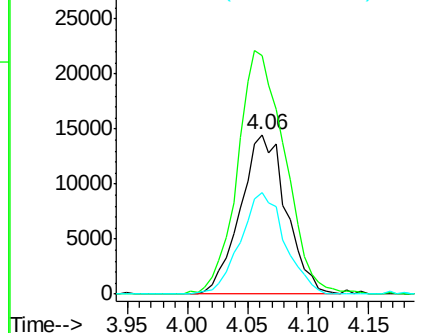
98 63.2 53.2 79.8

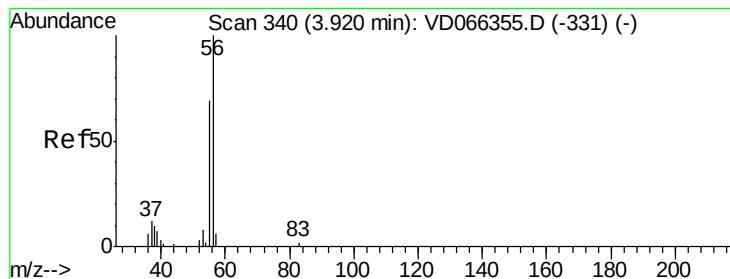


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 96.353 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 56 Resp: 10313

Ion Ratio Lower Upper

56 100

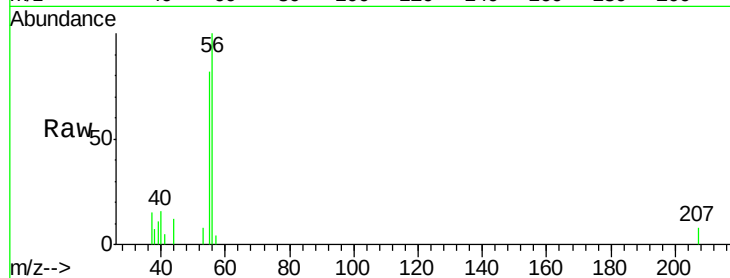
55 73.0 55.5 83.3

Manual Integrations

APPROVED

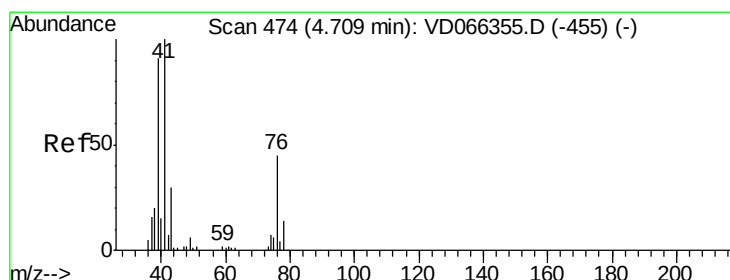
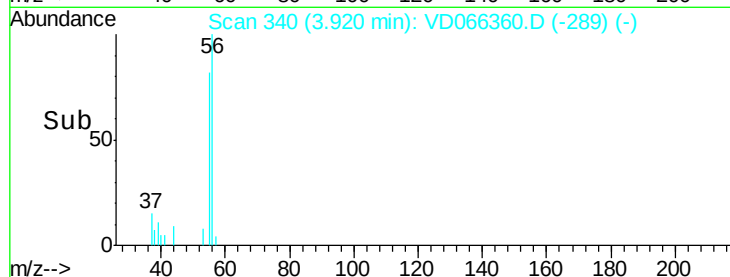
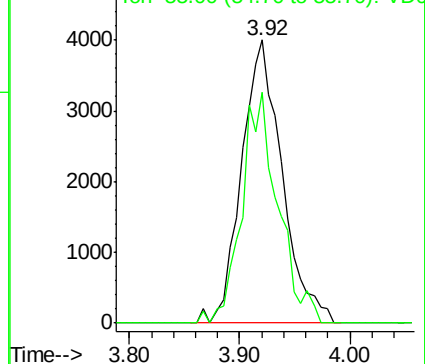
MMDadoda

8/24/2020 4:37:25 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.494 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

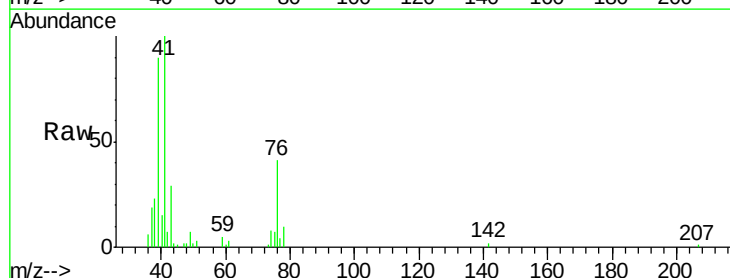
Tgt Ion: 41 Resp: 49462

Ion Ratio Lower Upper

41 100

39 93.1 72.8 109.2

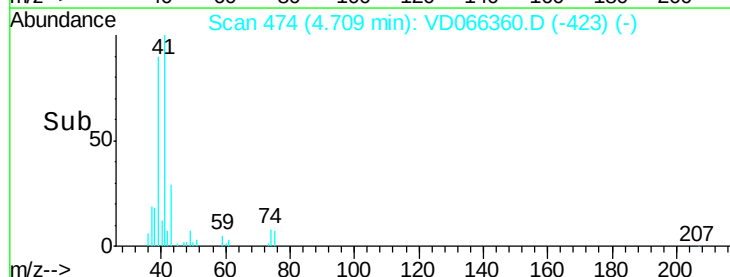
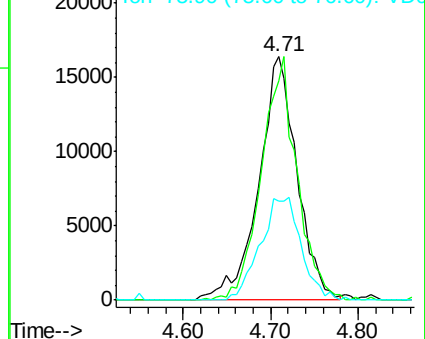
76 45.0 34.0 51.0

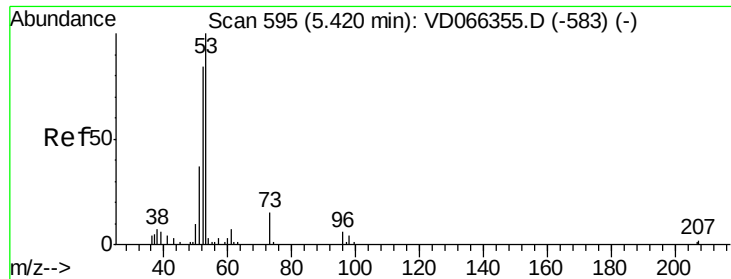


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 99.096 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

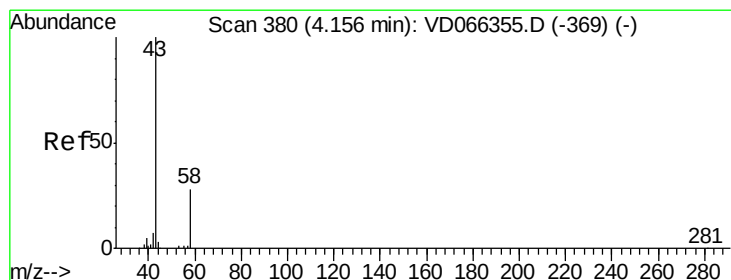
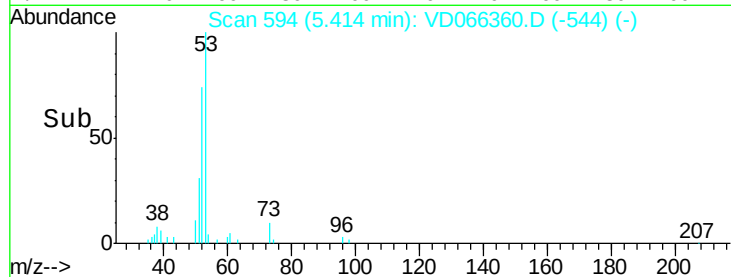
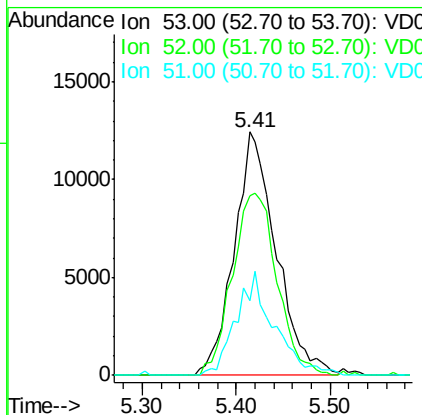
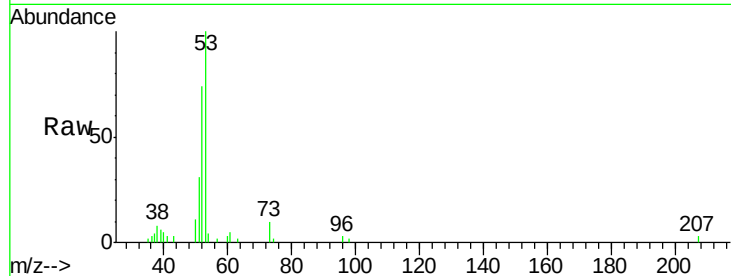
ClientSampleId :

VD0821SBS01

Tot Ion:	53	Resp:	38533
Ion Ratio	Lower	Upper	
53	100		
52	79.5	68.1	102.1
51	38.6	33.8	50.6

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#16

Acetone

Concen: 97.501 ug/l

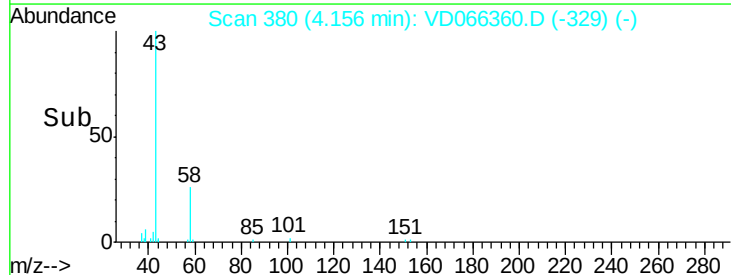
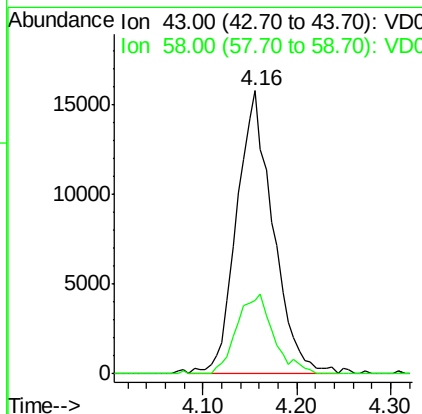
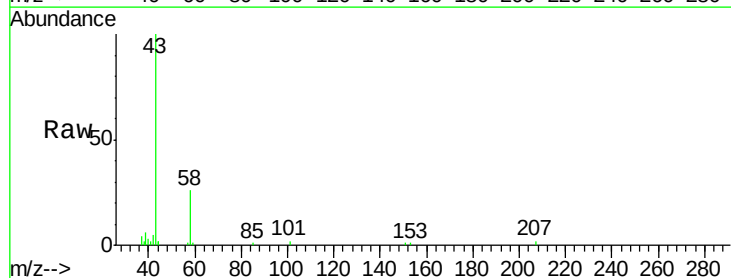
RT: 4.16 min Scan# 380

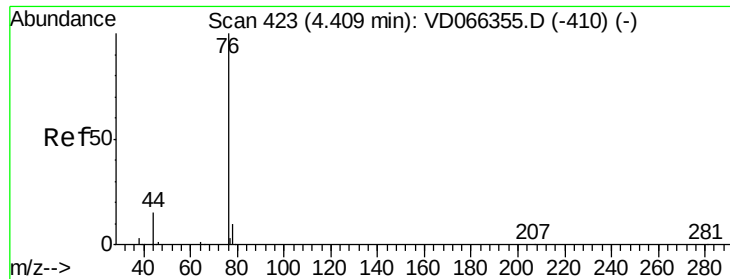
Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion:	43	Resp:	42368
Ion Ratio	Lower	Upper	
43	100		
58	26.1	22.7	34.1





#17

Carbon Disulfide

Concen: 18.951 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 76 Resp: 115084

Ion Ratio Lower Upper

76 100

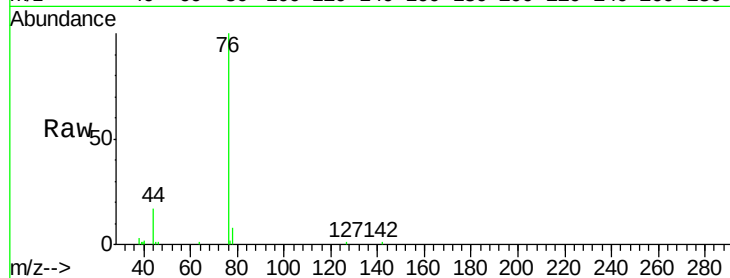
78 8.1 7.7 11.5

Manual Integrations

APPROVED

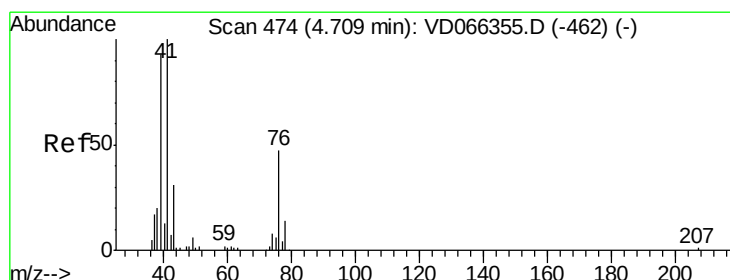
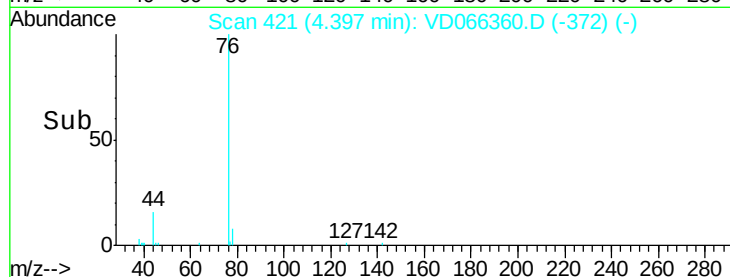
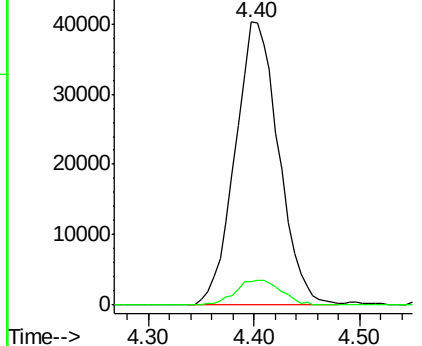
MMDadoda

8/24/2020 4:37:25 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.779 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066360.D

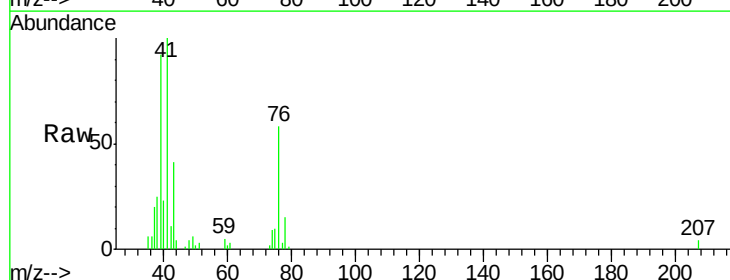
Acq: 21 Aug 2020 15:32

Tgt Ion: 43 Resp: 16131

Ion Ratio Lower Upper

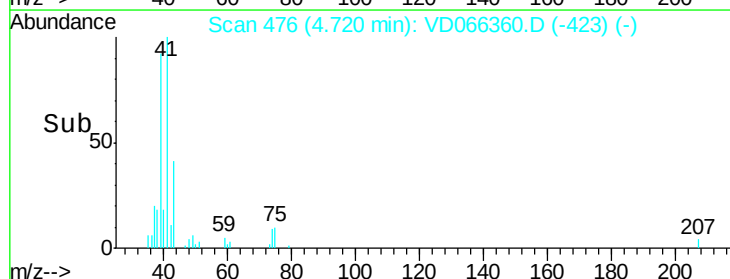
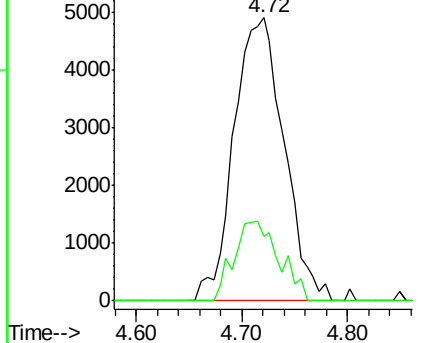
43 100

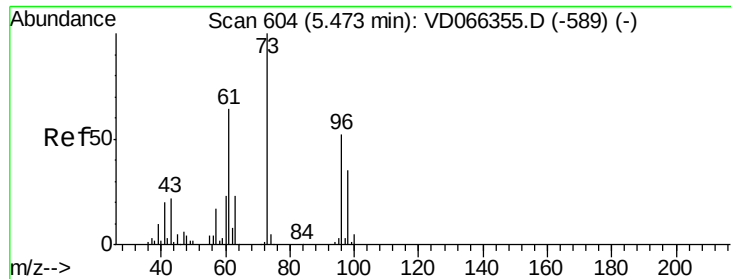
74 25.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

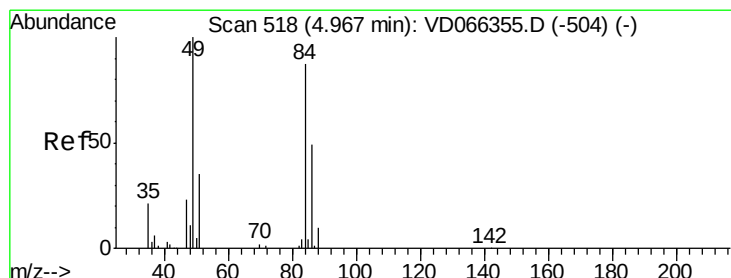
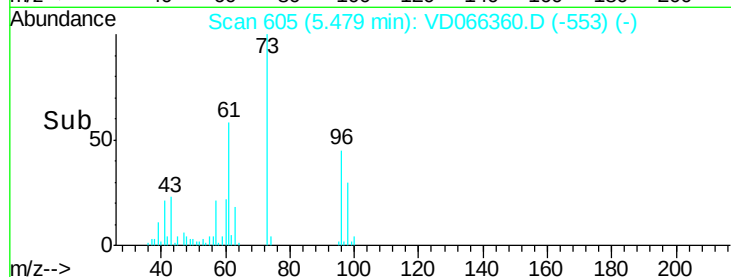
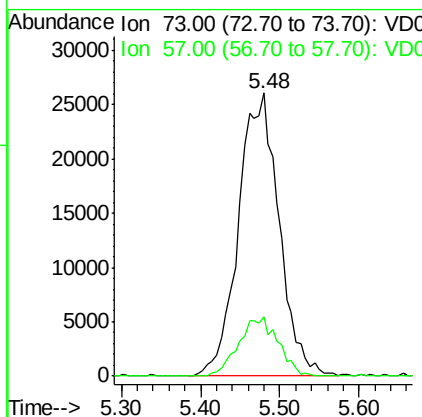
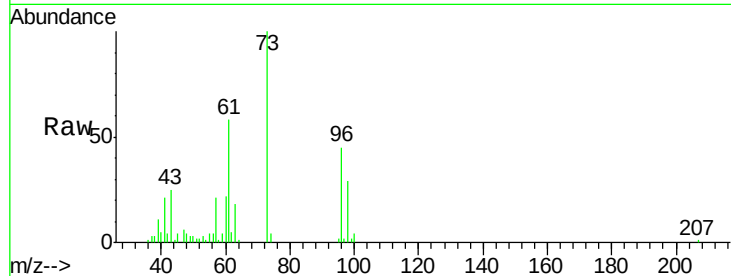
Methyl tert-butyl Ether
 Concen: 19.173 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	13.8	20.6#

Manual Integrations
 APPROVED

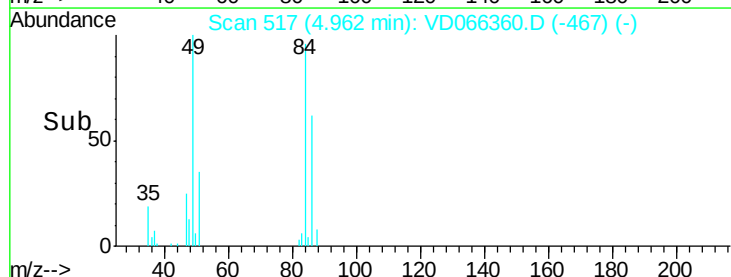
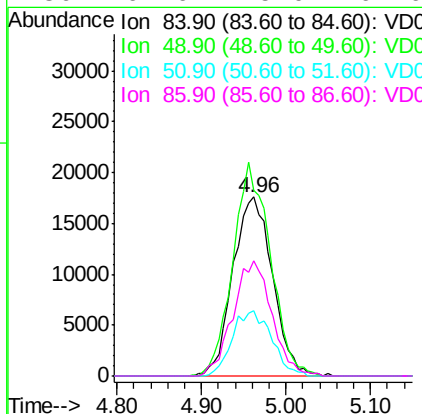
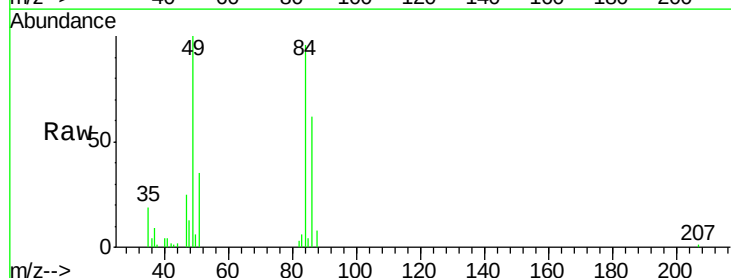
MMDadoda
 8/24/2020 4:37:25 PM

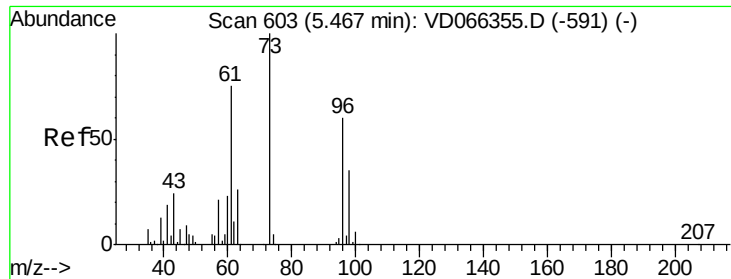


#20

Methylene Chloride
 Concen: 21.009 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	104.0	92.5	138.7
51	36.7	32.5	48.7
86	64.6	45.0	67.6





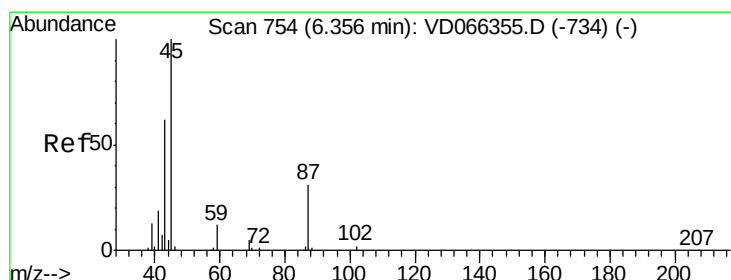
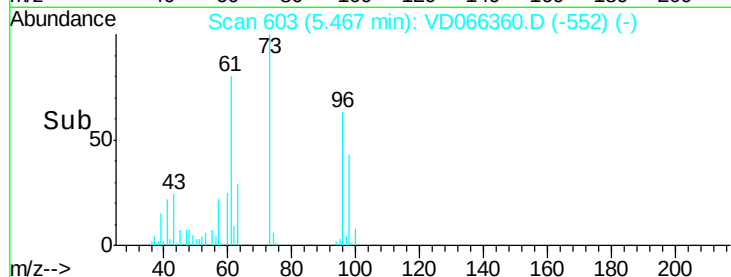
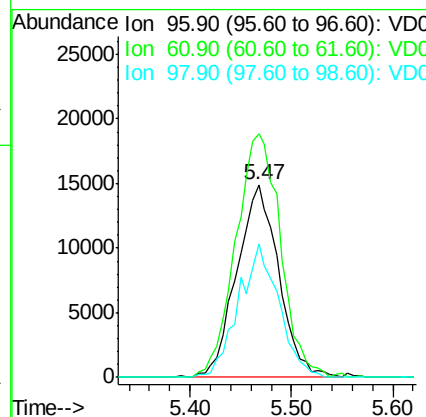
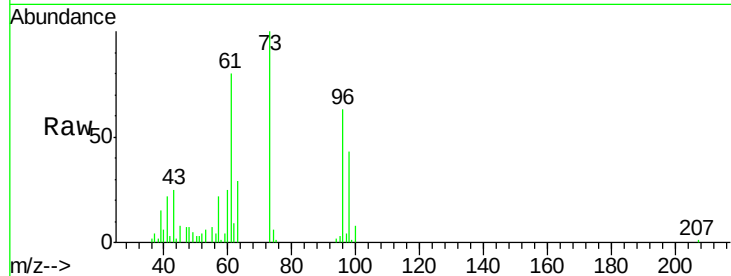
#21
trans-1,2-Dichloroethene
Concen: 18.345 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.2	101.1	151.7
98	68.9	47.0	70.6

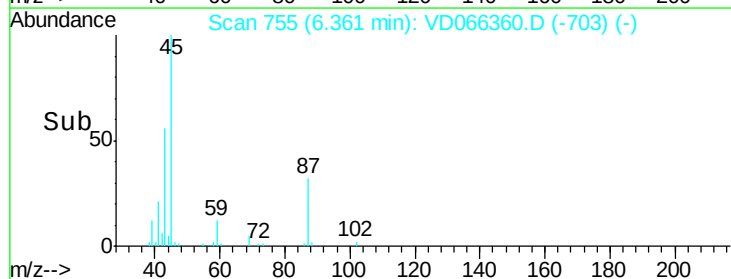
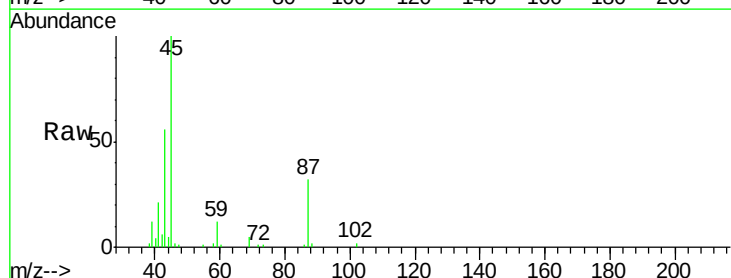
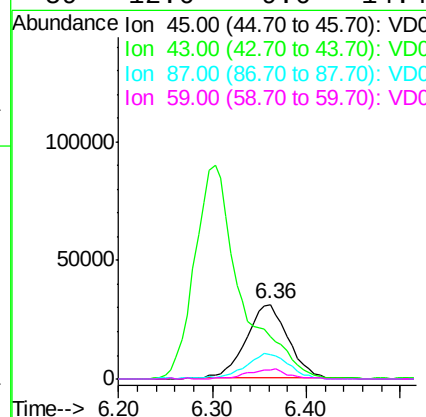
Manual Integrations
APPROVED

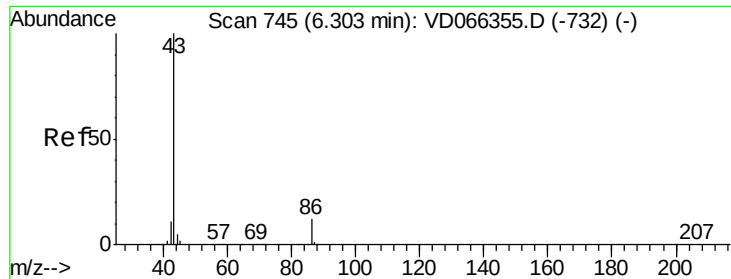
MMDadoda
8/24/2020 4:37:25 PM



#22
Diisopropyl ether
Concen: 18.513 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	49.8	74.8
87	32.4	25.0	37.6
59	12.6	9.6	14.4





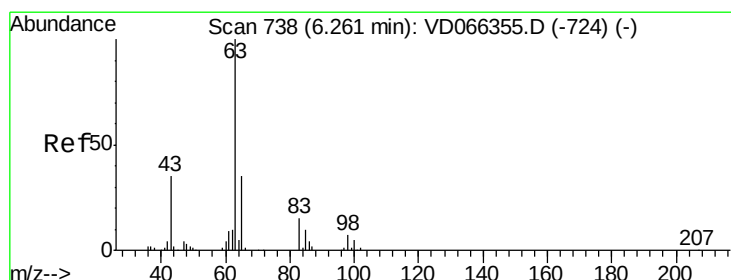
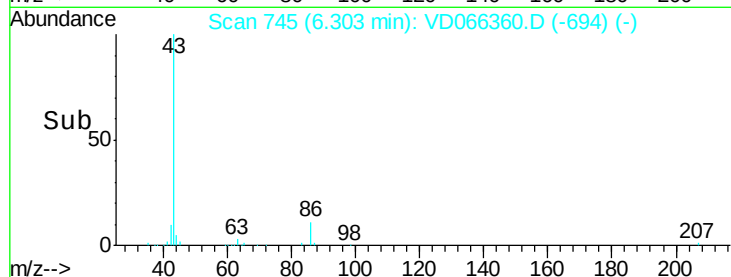
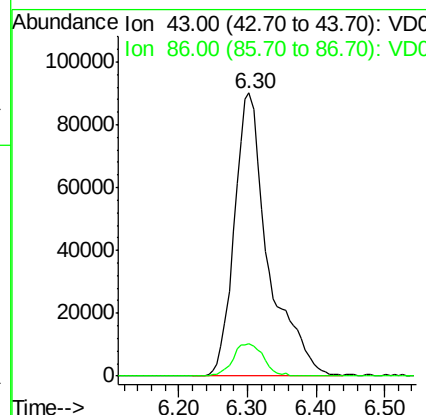
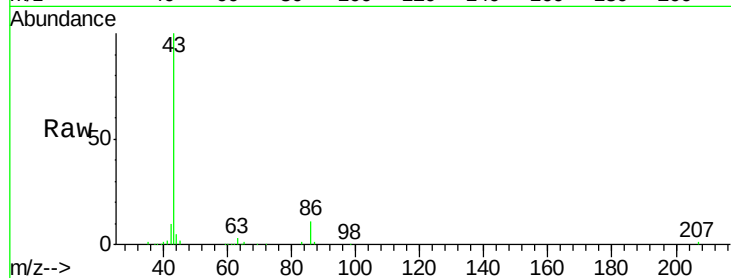
#23
 Vinyl Acetate
 Concen: 96.321 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.4	14.0

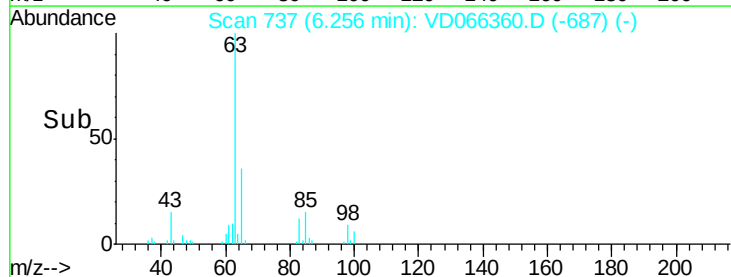
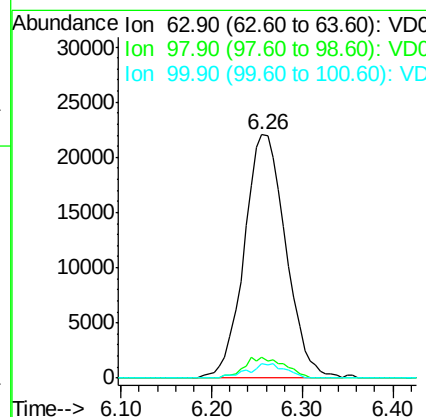
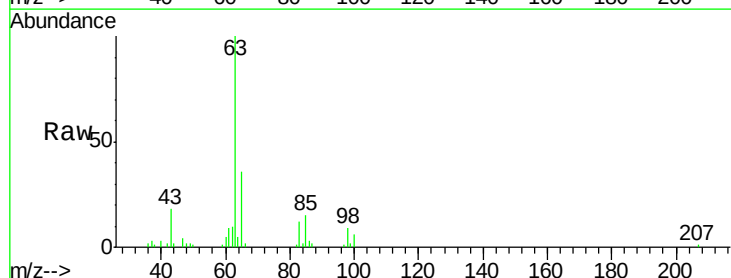
Manual Integrations
 APPROVED

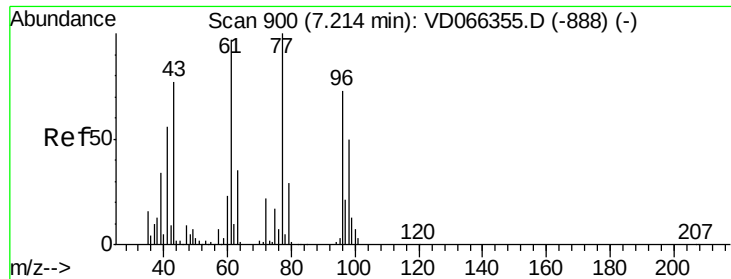
MMDadoda
 8/24/2020 4:37:25 PM



#24
 1,1-Dichloroethane
 Concen: 19.162 ug/l
 RT: 6.26 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.7	3.5	10.6
100	5.9	2.5	7.6





#25

2-Butanone

Concen: 95.958 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 47337

Ion Ratio Lower Upper

43 100

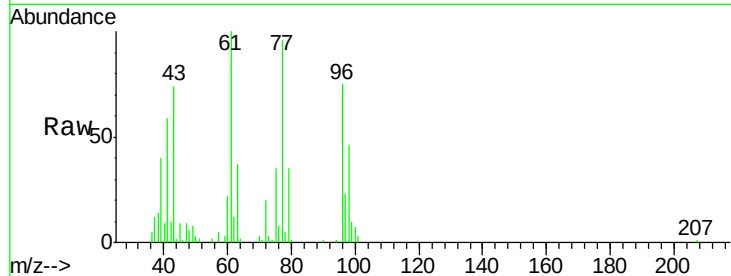
72 26.9 22.5 33.7

Manual Integrations

APPROVED

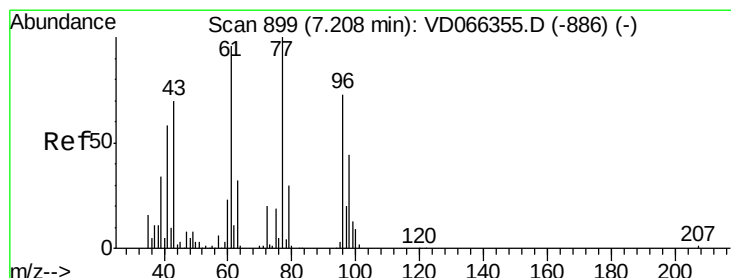
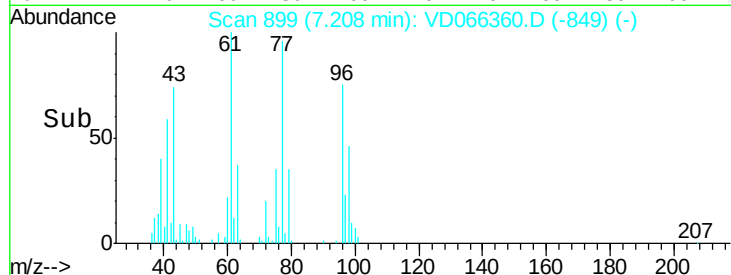
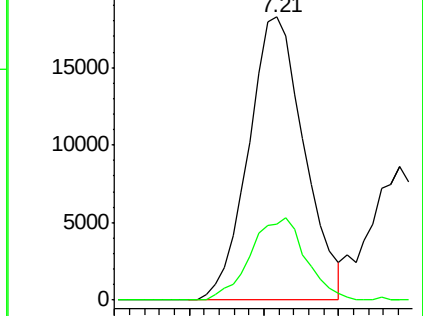
MMDadoda

8/24/2020 4:37:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.389 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066360.D

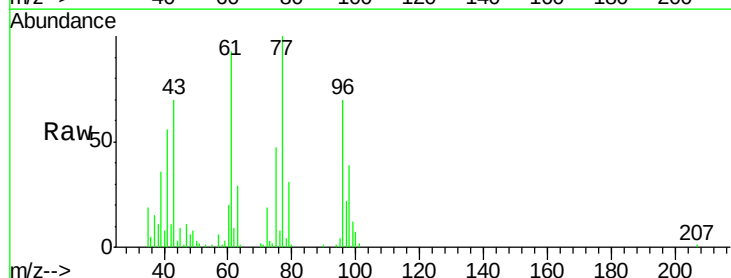
Acq: 21 Aug 2020 15:32

Tgt Ion: 77 Resp: 76046

Ion Ratio Lower Upper

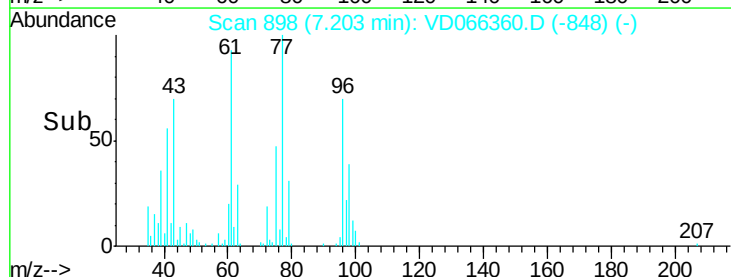
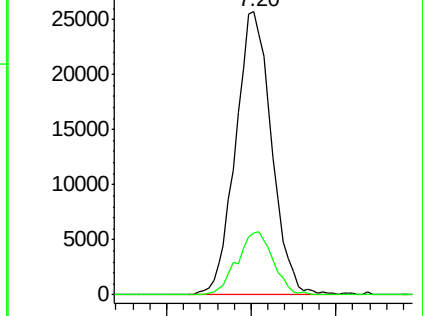
77 100

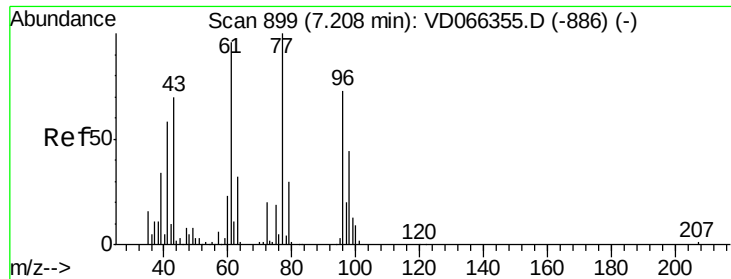
97 22.4 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

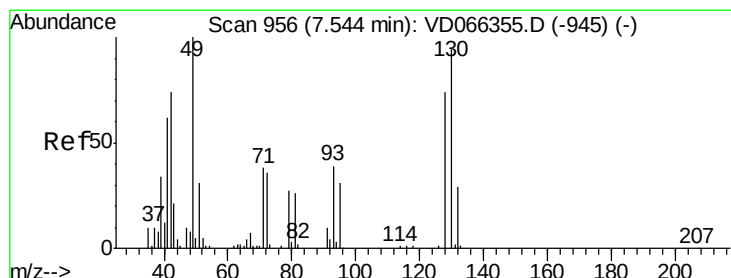
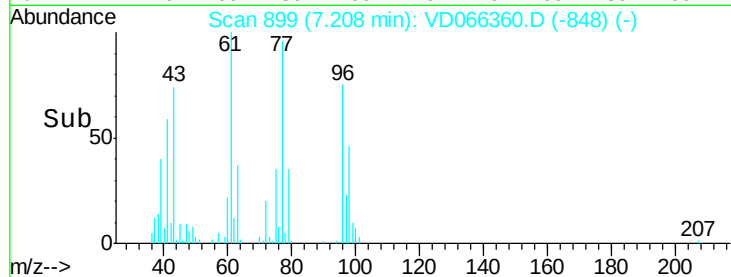
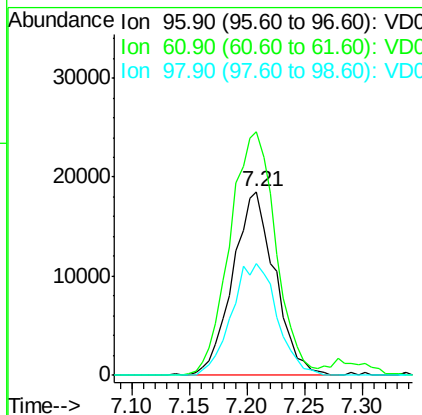
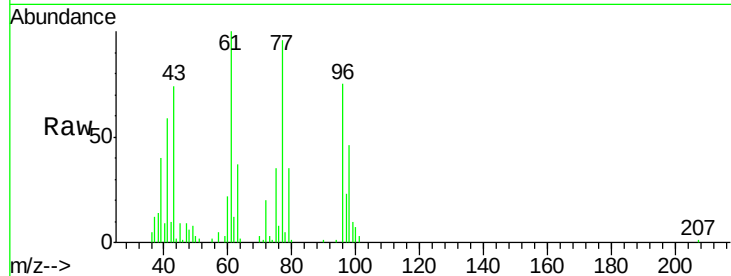
cis-1,2-Dichloroethene
Concen: 18.890 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	281.4
98	65.5	0.0	132.2

Manual Integrations
APPROVED

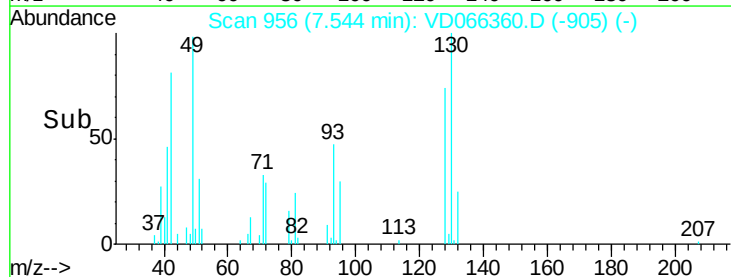
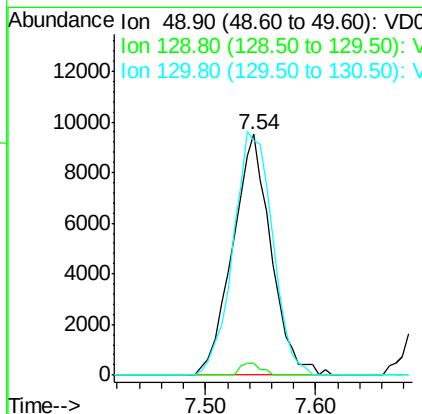
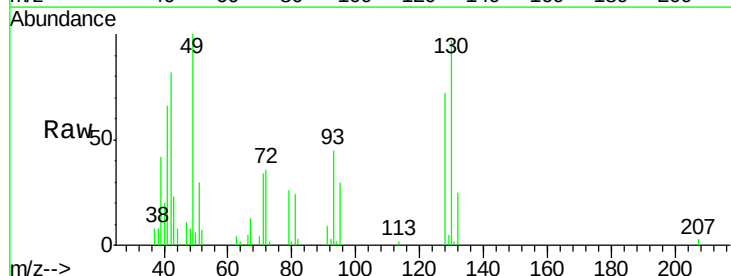
MMDadoda
8/24/2020 4:37:25 PM

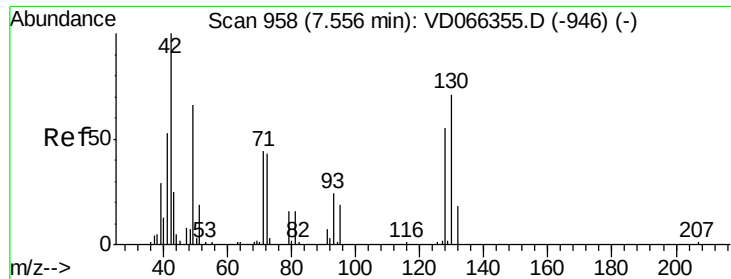


#28

Bromochloromethane
Concen: 18.402 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	3.0
130	104.0	82.6	124.0





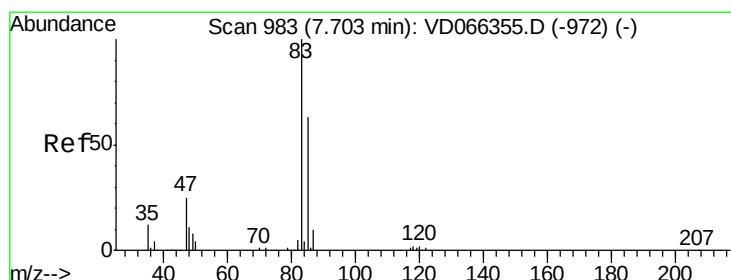
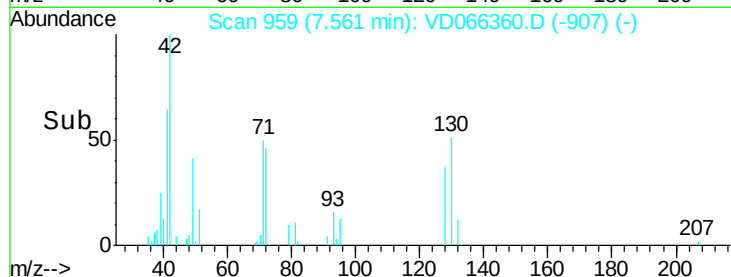
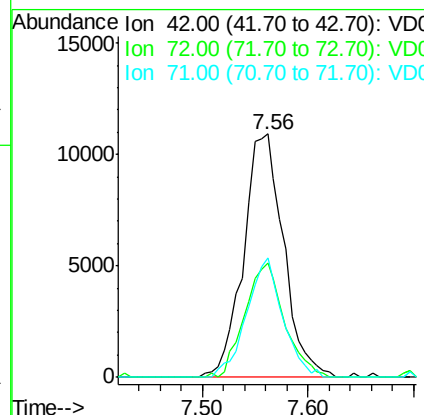
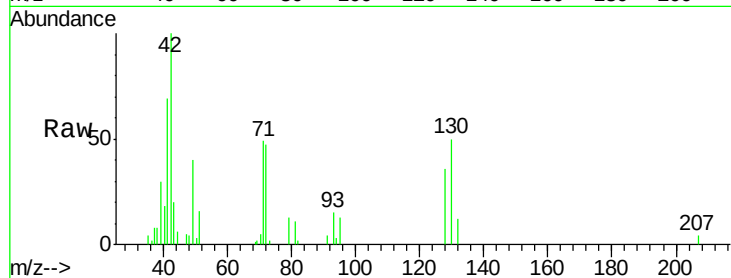
#29
Tetrahydrofuran
Concen: 102.704 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	41.0	61.4
71	44.4	37.2	55.8

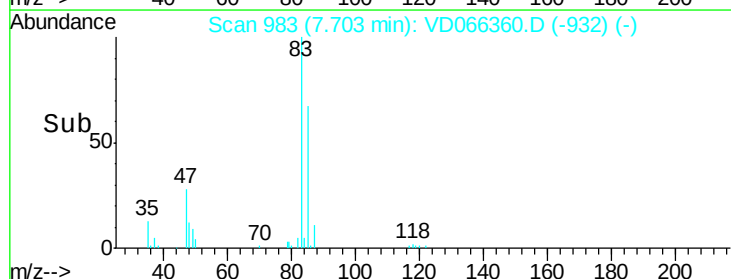
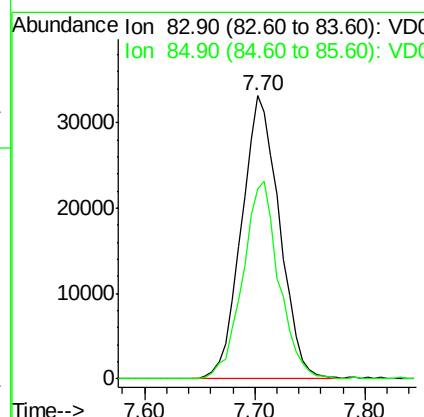
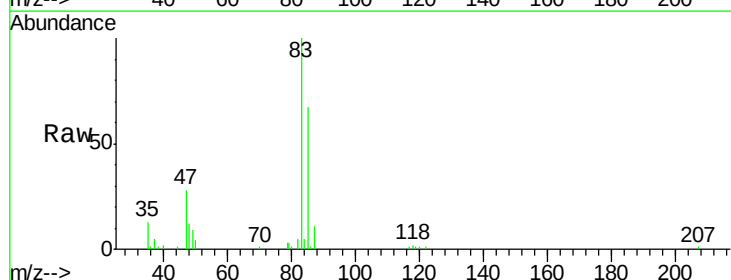
Manual Integrations
APPROVED

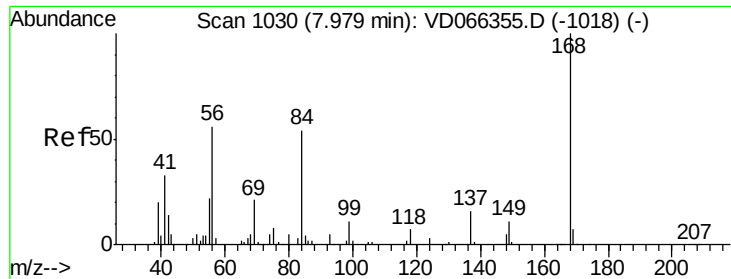
MMDadoda
8/24/2020 4:37:25 PM



#30
Chloroform
Concen: 18.946 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.3	75.5





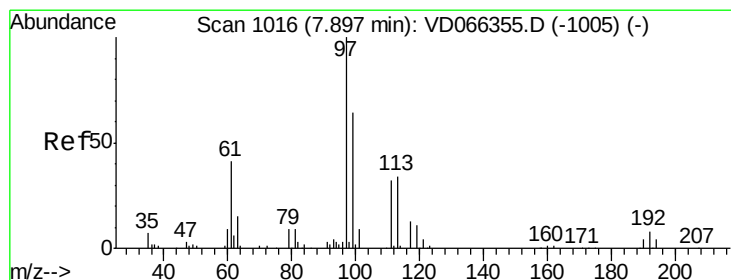
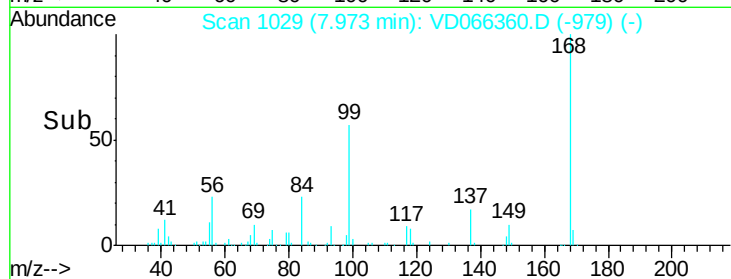
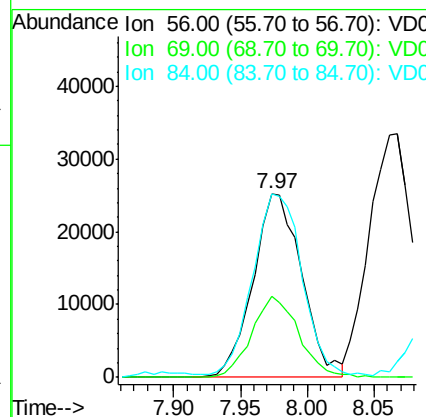
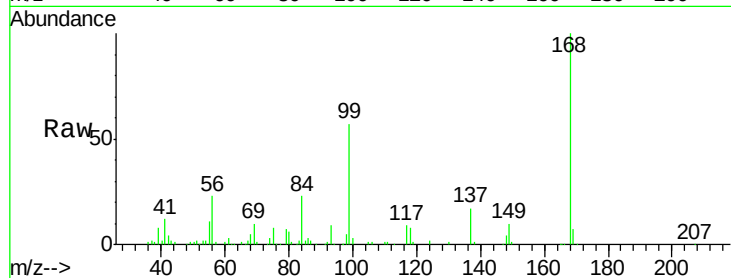
#31
Cyclohexane
Concen: 19.060 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.3	29.6	44.4
84	97.8	76.6	115.0

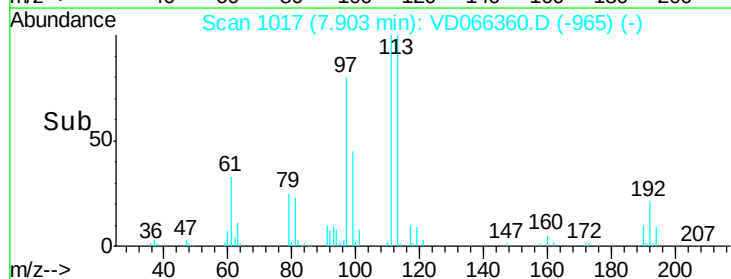
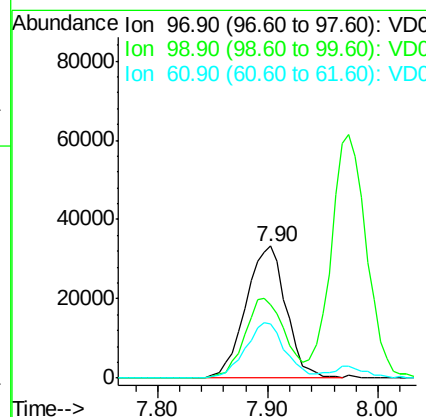
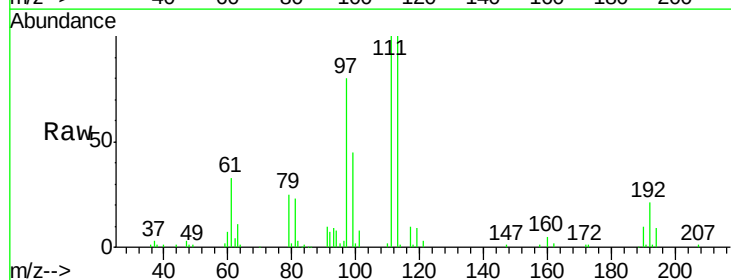
Manual Integrations
APPROVED

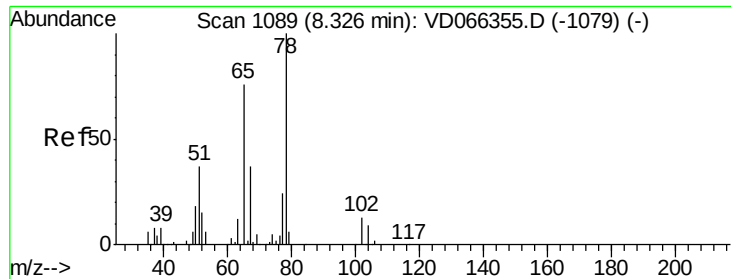
MMDadoda
8/24/2020 4:37:25 PM



#32
1,1,1-Trichloroethane
Concen: 19.674 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.2	51.5	77.3
61	41.6	33.3	49.9





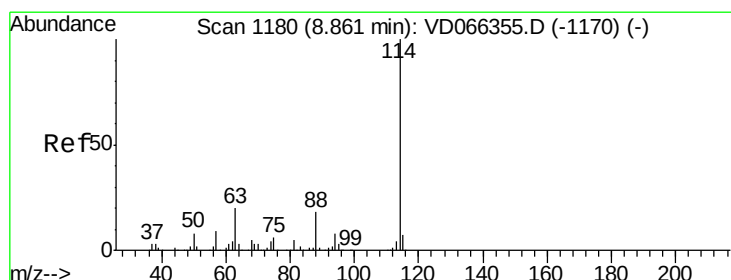
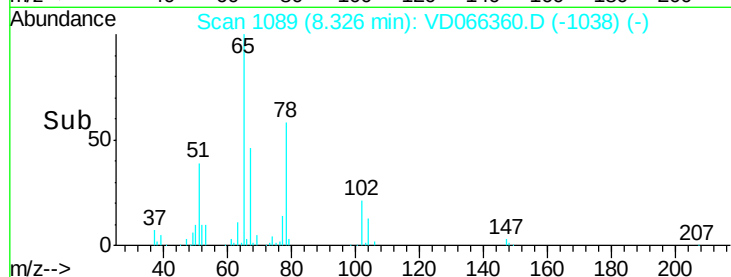
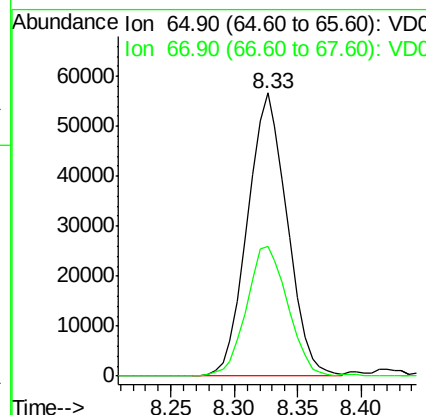
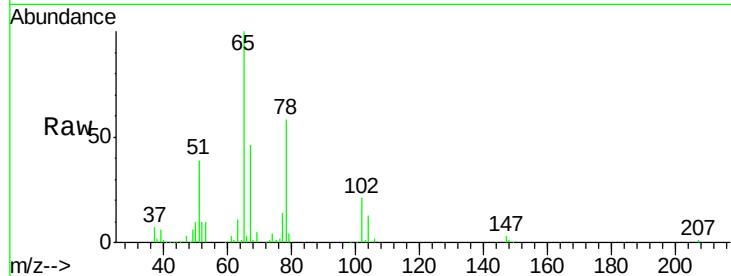
#33
 1,2-Dichloroethane-d4
 Concen: 51.164 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123322		
67	47.8	0.0	101.6	

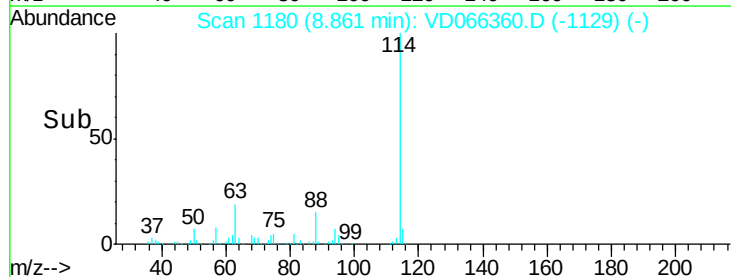
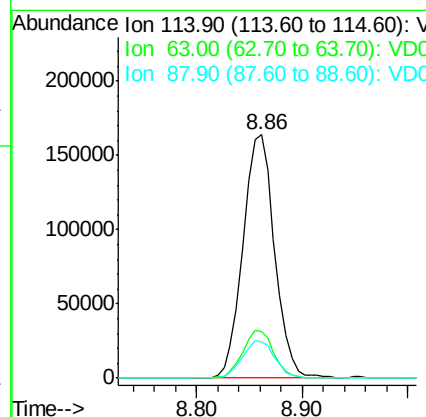
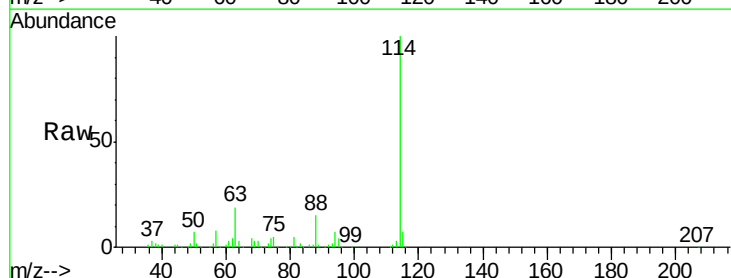
Manual Integrations
 APPROVED

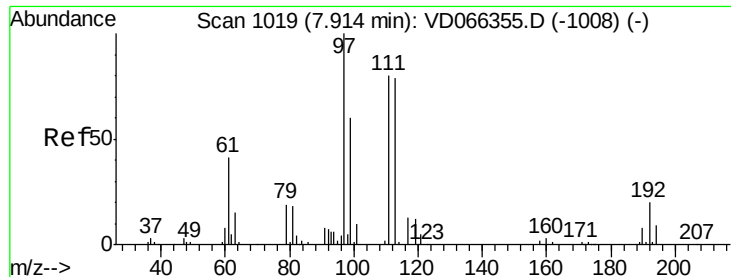
MMDadoda
 8/24/2020 4:37:25 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	340645		
63	19.0	0.0	40.8	
88	15.0	0.0	35.4	





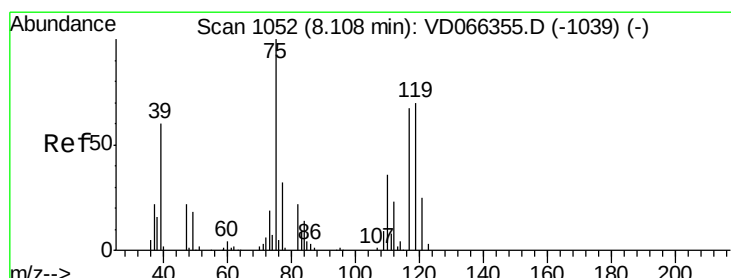
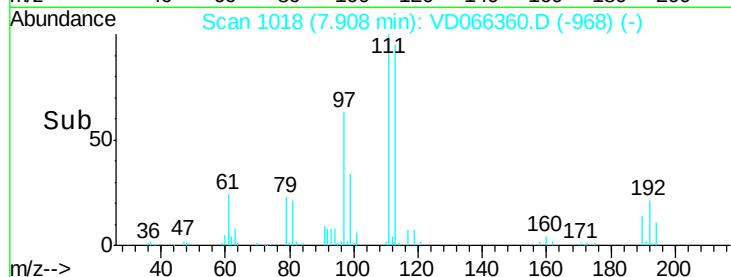
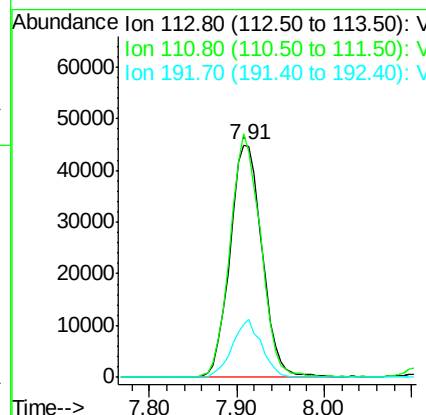
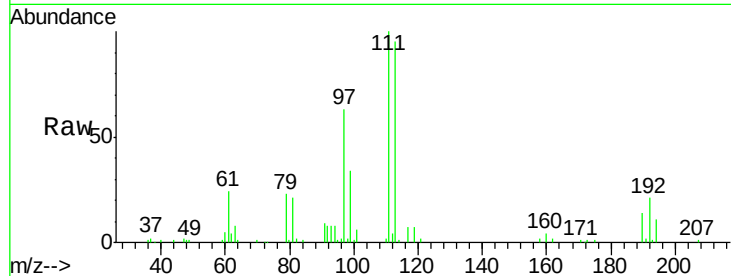
#35
 Dibromofluoromethane
 Concen: 52.697 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112249		
111	99.8	80.3	120.5	
192	22.4	19.0	28.6	

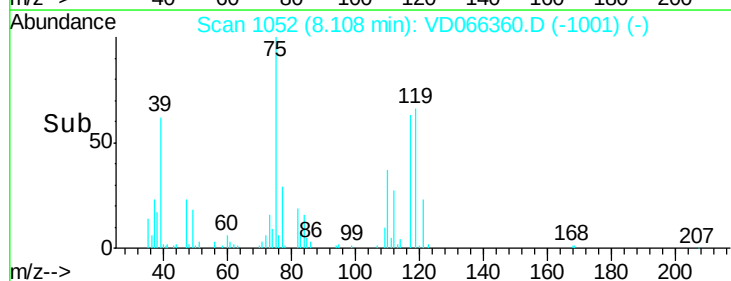
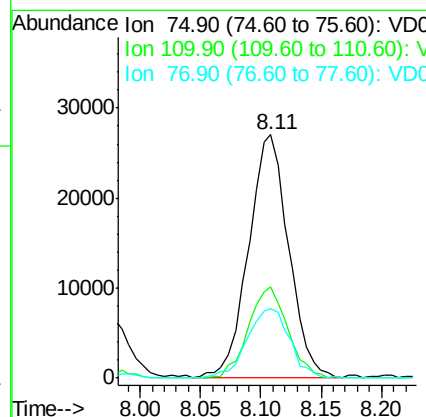
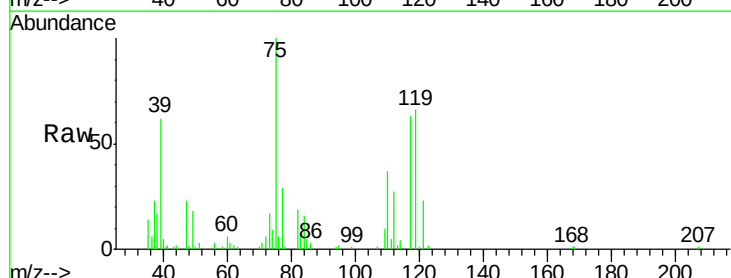
Manual Integrations
 APPROVED

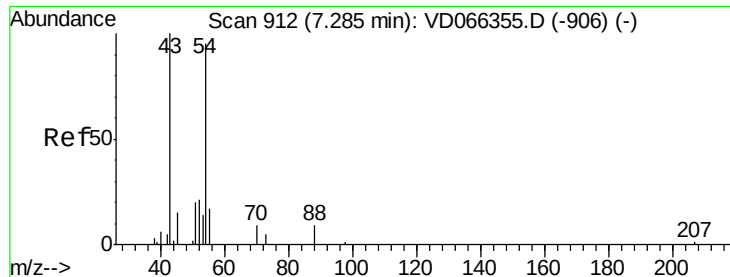
MMDadoda
 8/24/2020 4:37:25 PM



#36
 1,1-Dichloropropene
 Concen: 20.126 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62556		
110	36.8	18.7	56.1	
77	30.3	25.2	37.8	





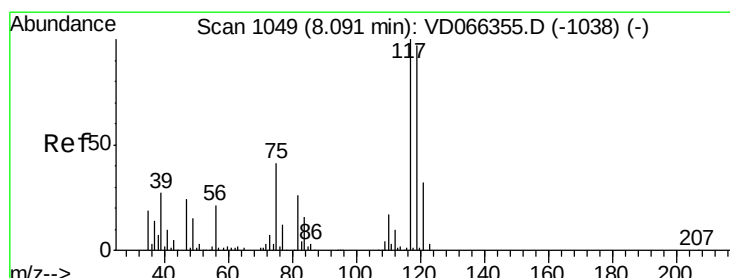
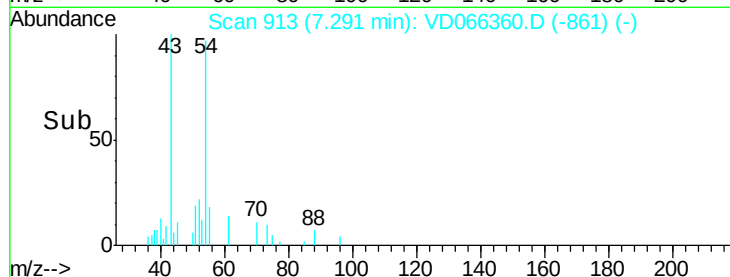
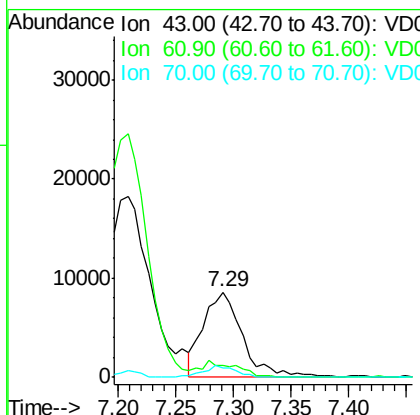
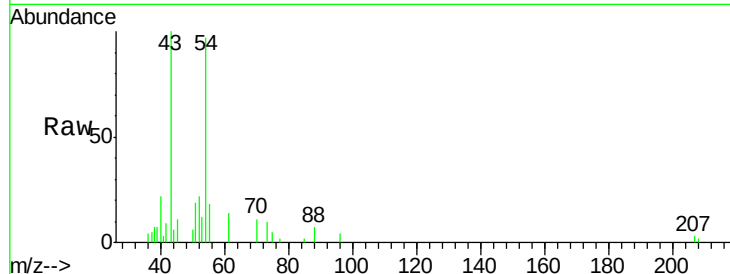
#37
Ethyl Acetate
Concen: 19.388 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	13.3	19.9
70	11.2	3.5	5.3

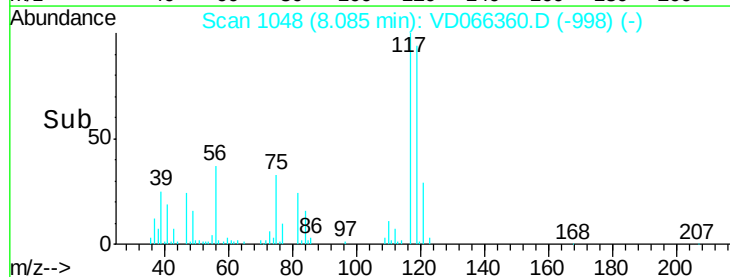
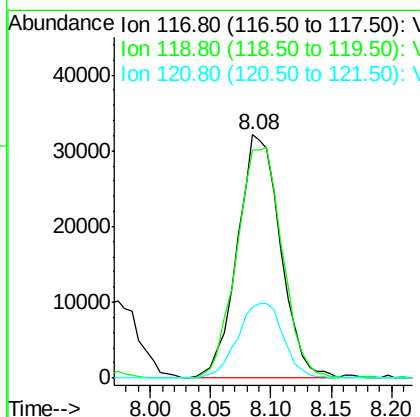
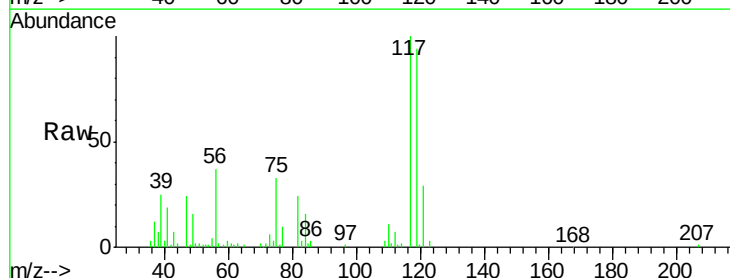
Manual Integrations
APPROVED

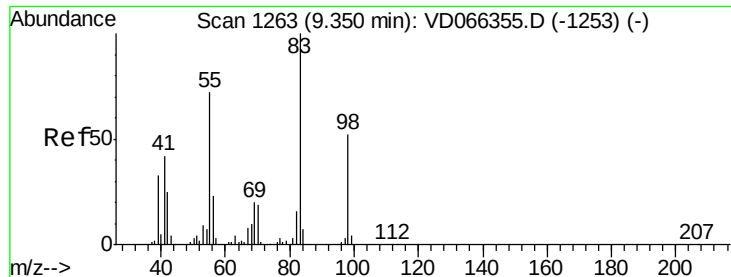
MMDadoda
8/24/2020 4:37:25 PM



#38
Carbon Tetrachloride
Concen: 19.805 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.2	115.8
121	28.8	25.8	38.8





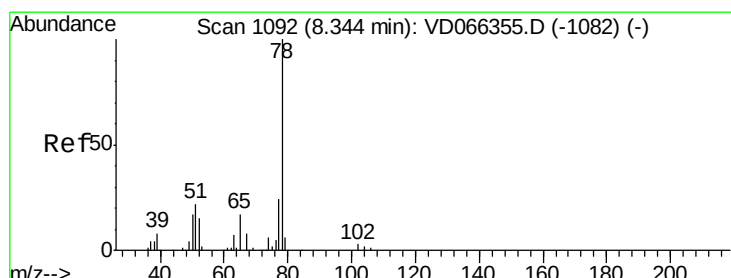
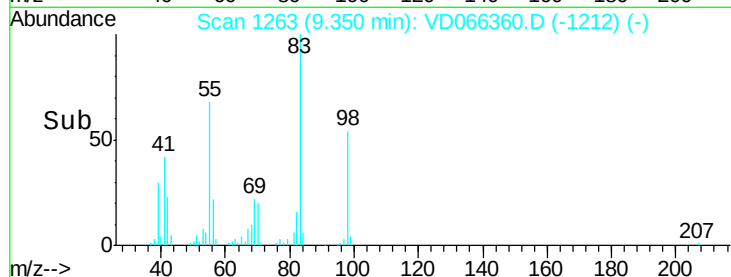
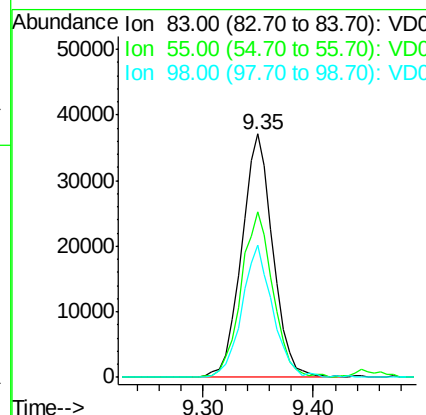
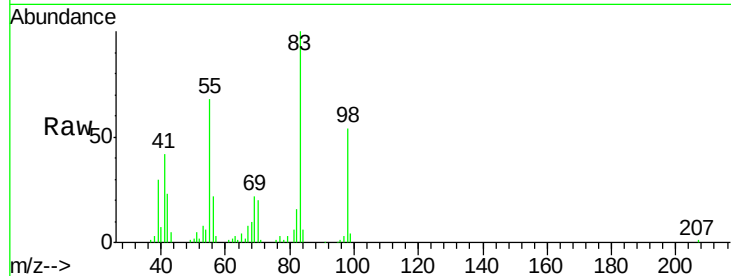
#39
Methylvlcyclohexane
Concen: 20.087 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.2	58.0	87.0
98	54.1	41.9	62.9

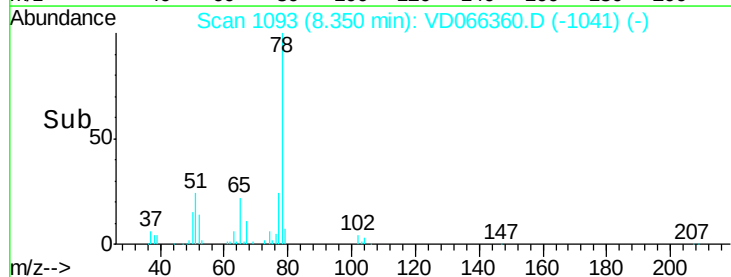
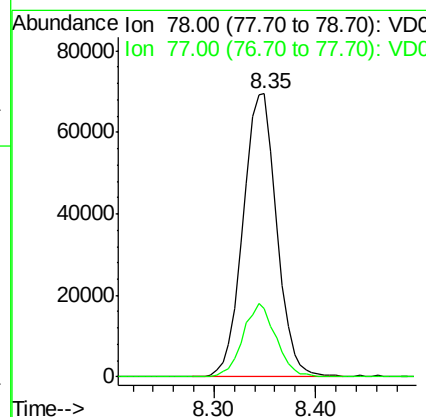
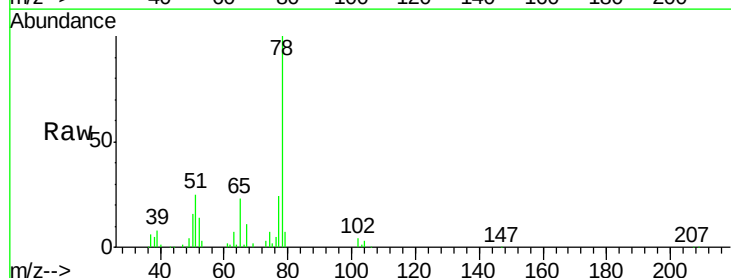
Manual Integrations
APPROVED

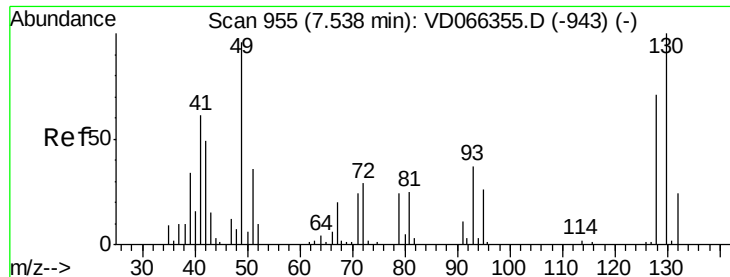
MMDadoda
8/24/2020 4:37:25 PM



#40
Benzene
Concen: 19.585 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





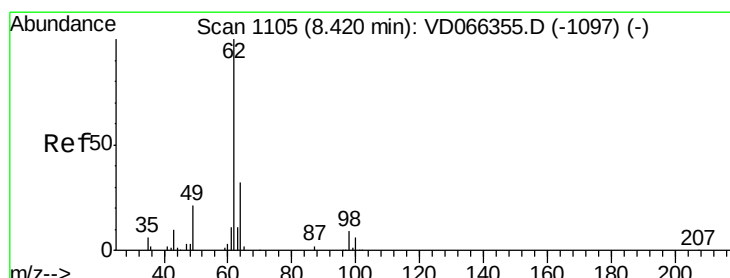
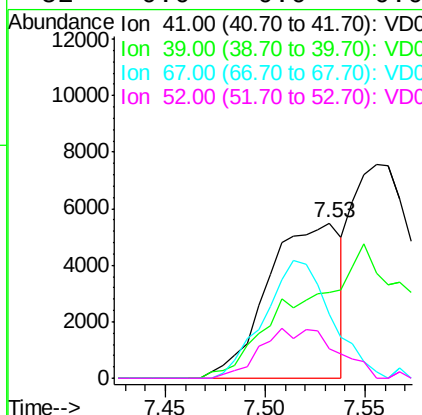
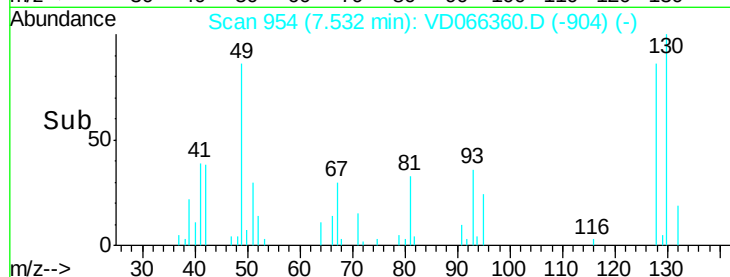
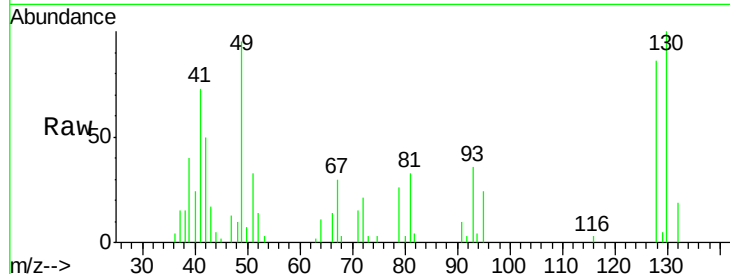
#41
Methacrylonitrile
Concen: 21.441 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	41	Resp	13978
Ion	Ratio	Lower	Upper
41	100		
39	127.0	51.8	77.8#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

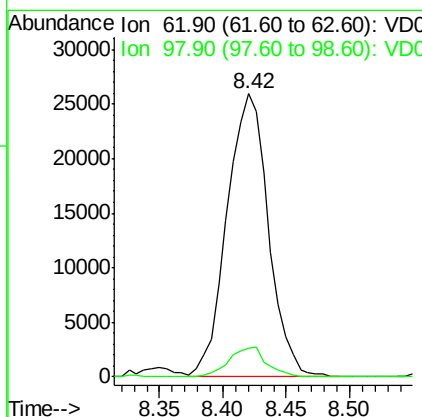
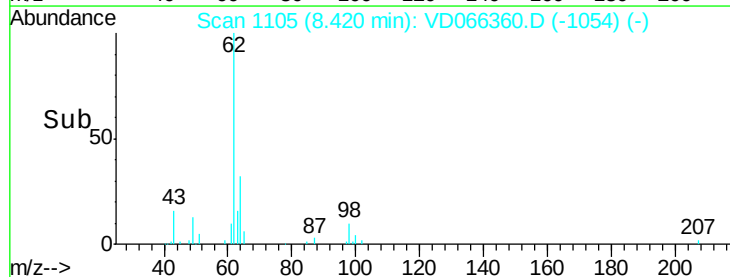
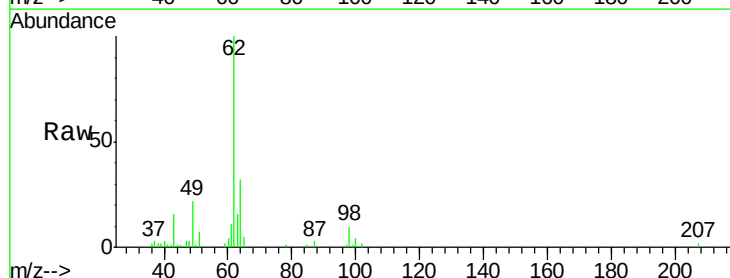
Manual Integrations
APPROVED

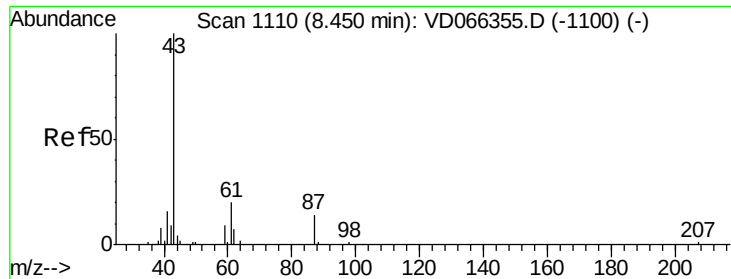
MMDadoda
8/24/2020 4:37:25 PM



#42
1,2-Dichloroethane
Concen: 20.418 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	62	Resp	58801
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.785 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

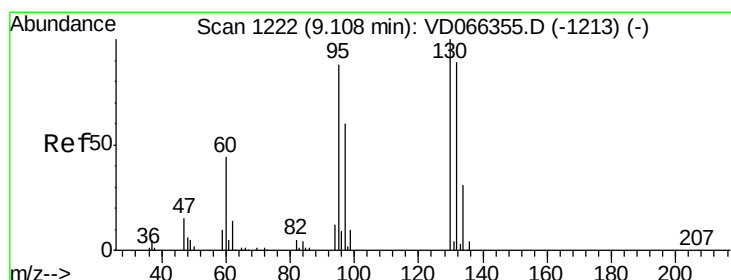
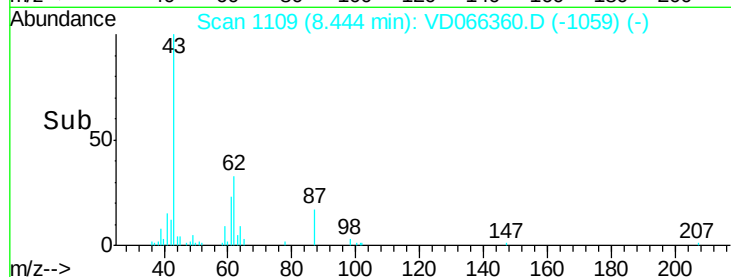
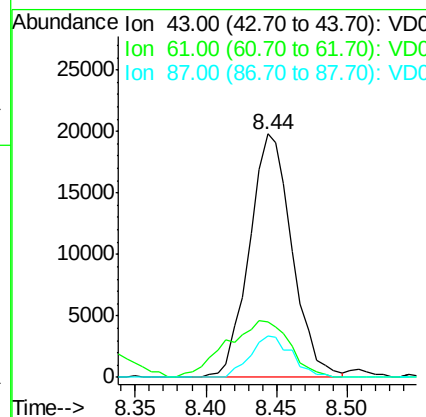
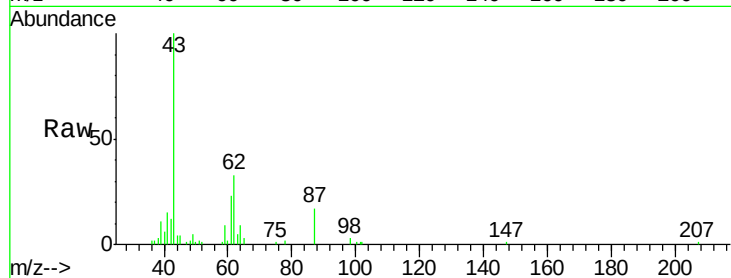
ClientSampleId :

VD0821SBS01

Tot Ion:	43	Resp:	41980
Ion	Ratio	Lower	Upper
43	100		
61	33.9	26.5	39.7
87	16.4	11.9	17.9

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#44

Trichloroethene

Concen: 20.069 ug/l

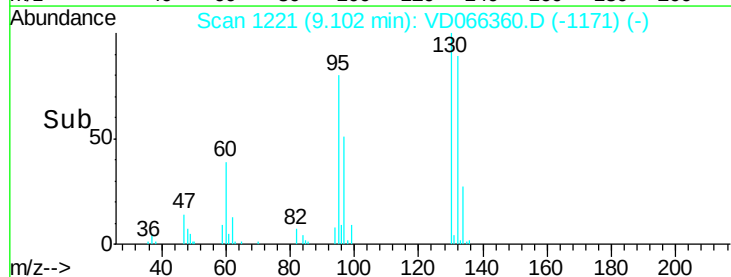
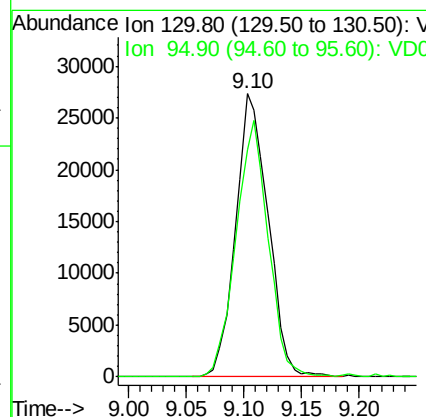
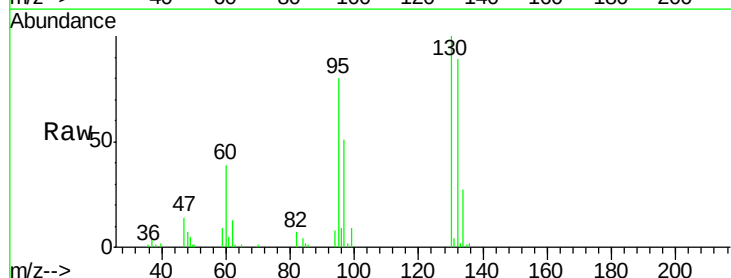
RT: 9.10 min Scan# 1221

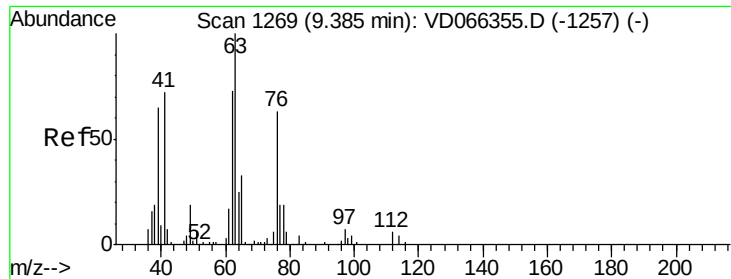
Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion:	130	Resp:	53320
Ion	Ratio	Lower	Upper
130	100		
95	80.1	0.0	175.6





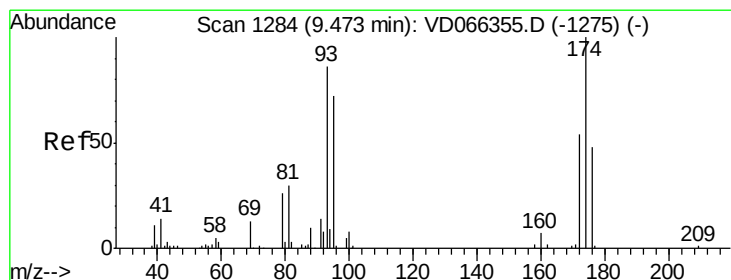
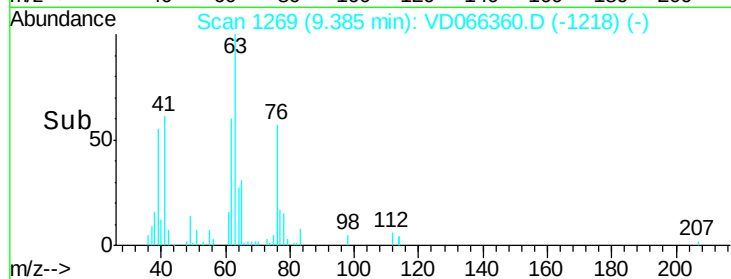
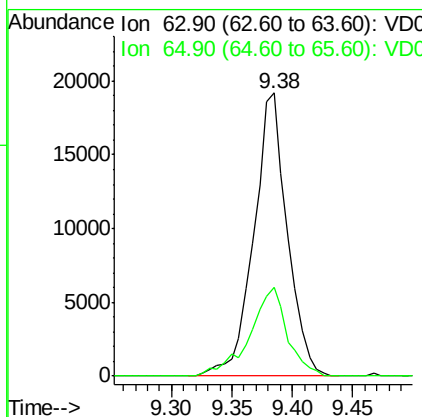
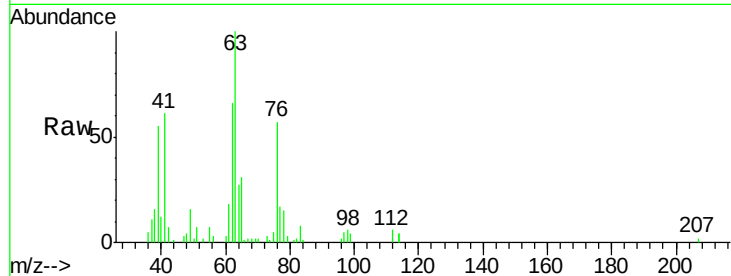
#45
 1,2-Dichloropropane
 Concen: 20.078 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	26.4	39.6

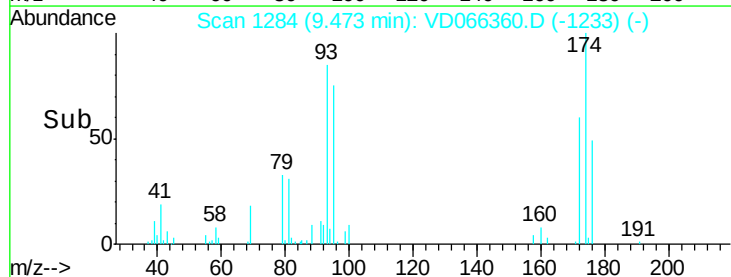
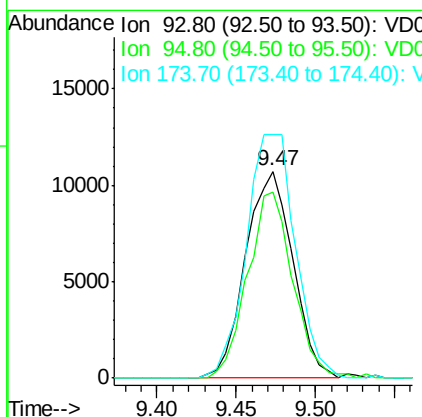
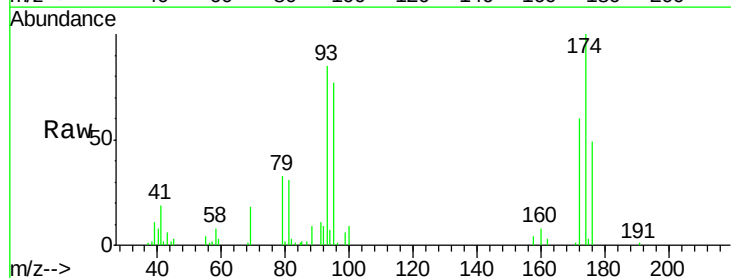
Manual Integrations
 APPROVED

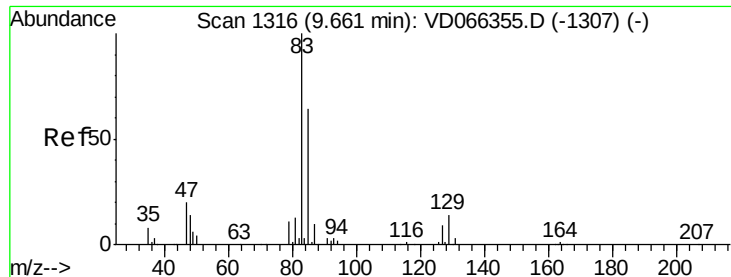
MMDadoda
 8/24/2020 4:37:25 PM



#46
 Dibromomethane
 Concen: 19.244 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.6	66.0	99.0
174	123.1	94.6	141.8





#47

Bromodichloromethane

Concen: 20.346 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 83 Resp: 64578

Ion Ratio Lower Upper

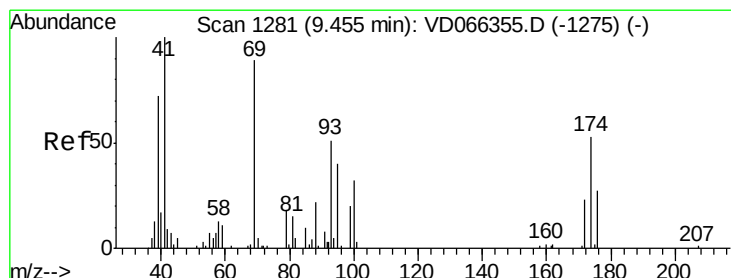
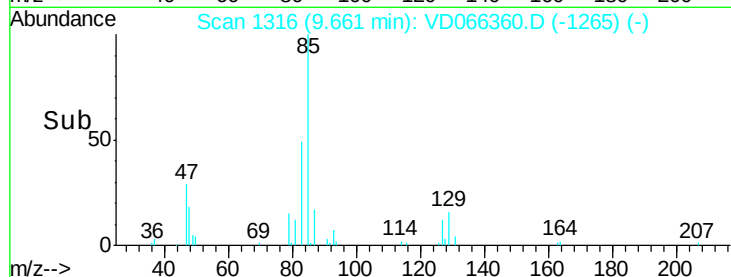
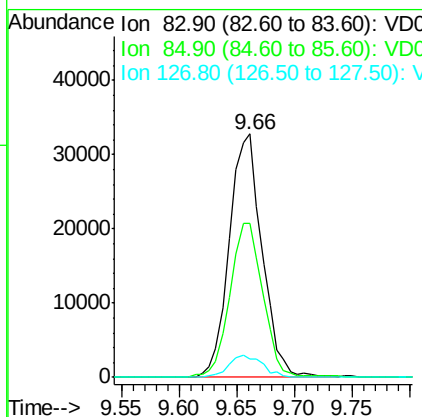
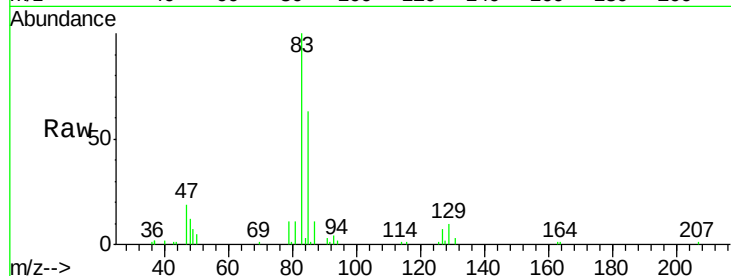
83 100

85 63.4 51.4 77.0

127 7.3 7.4 11.0#

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#48

Methyl methacrylate

Concen: 21.546 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

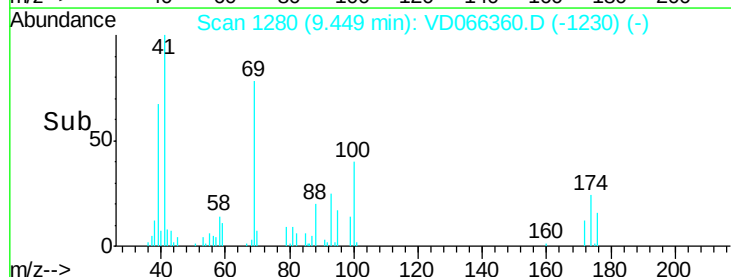
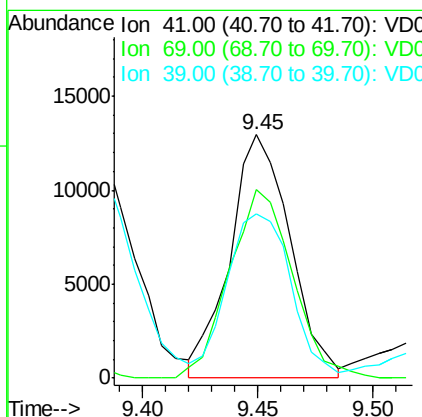
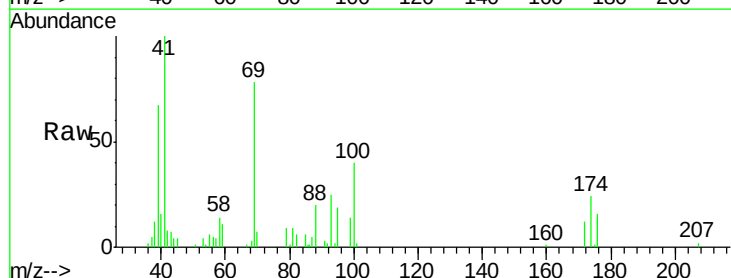
Tgt Ion: 41 Resp: 23575

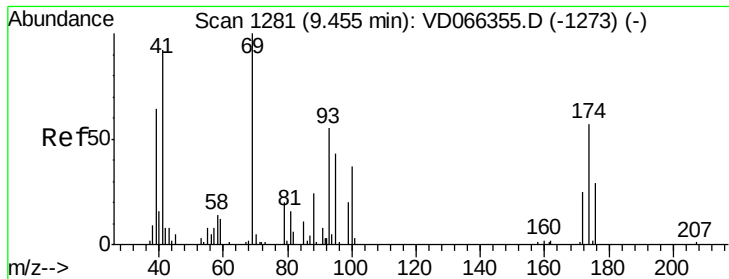
Ion Ratio Lower Upper

41 100

69 81.3 75.5 113.3

39 66.8 57.0 85.4





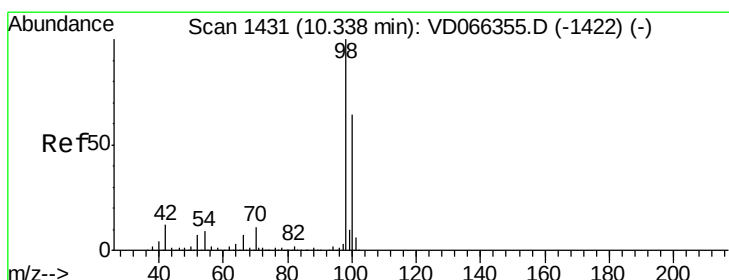
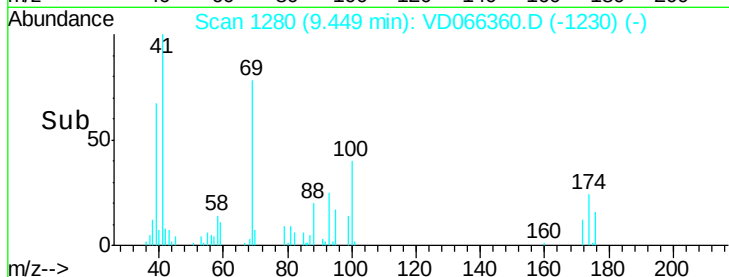
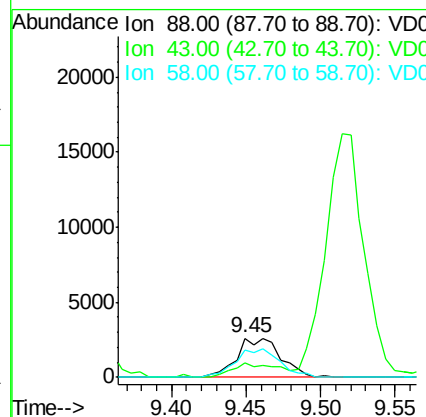
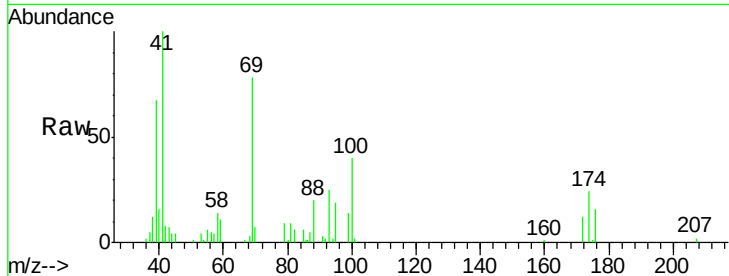
#49
1,4-Dioxane
Concen: 400.256 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	29.4	44.0
58	73.8	45.4	68.2

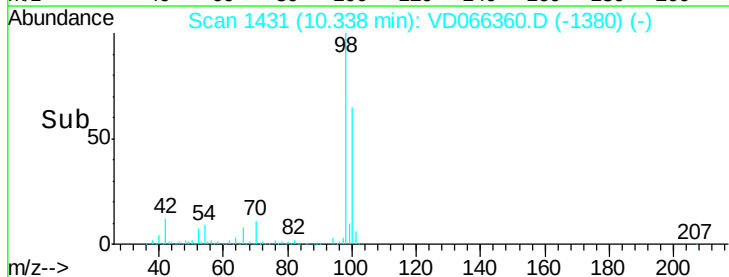
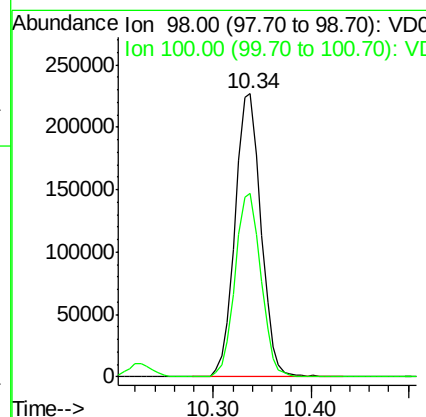
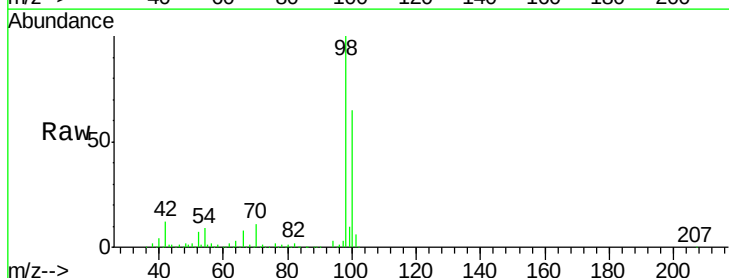
Manual Integrations
APPROVED

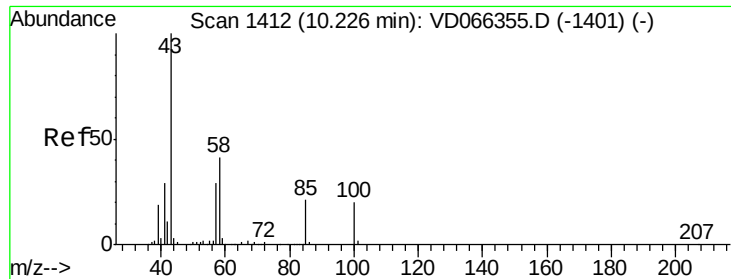
MMDadoda
8/24/2020 4:37:25 PM



#50
Toluene-d8
Concen: 53.883 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.0	79.4





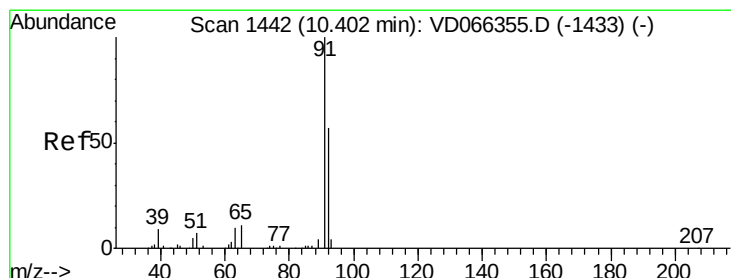
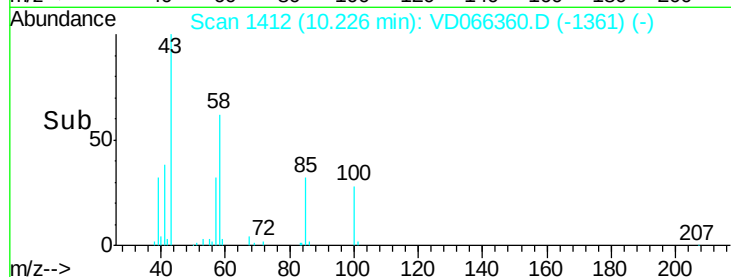
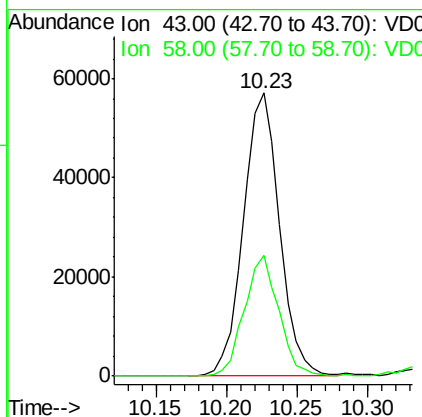
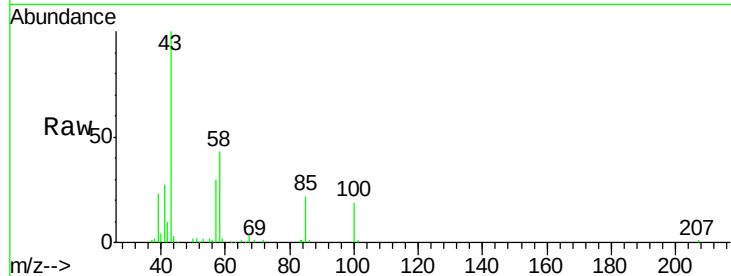
#51
 4-Methyl-2-Pentanone
 Concen: 100.152 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.4	47.2

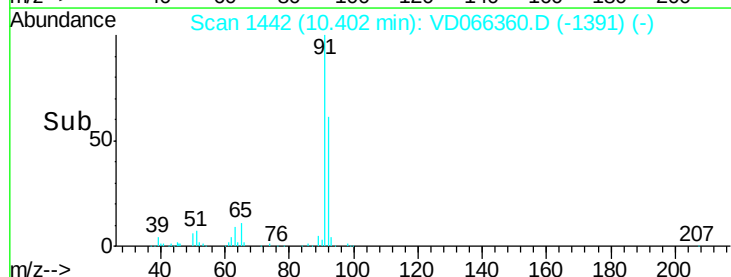
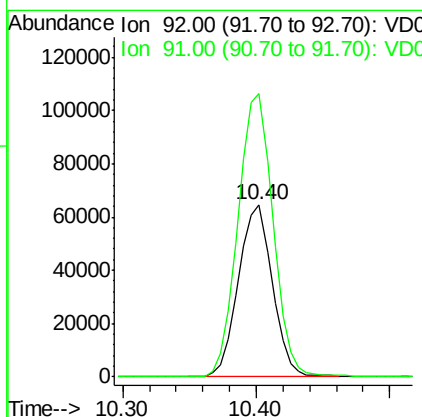
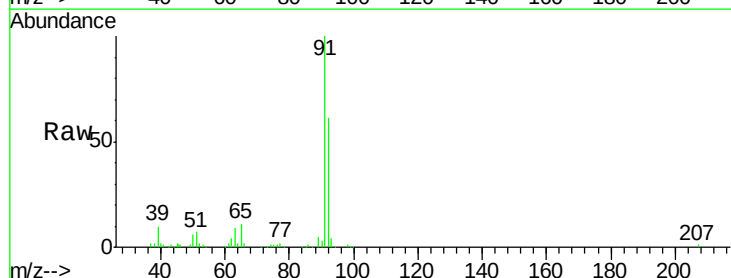
Manual Integrations
 APPROVED

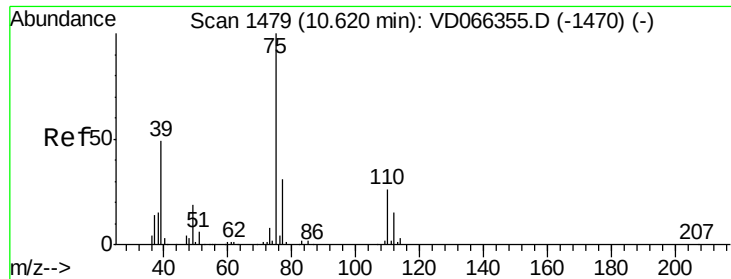
MMDadoda
 8/24/2020 4:37:25 PM



#52
 Toluene
 Concen: 20.578 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	135.8	203.6





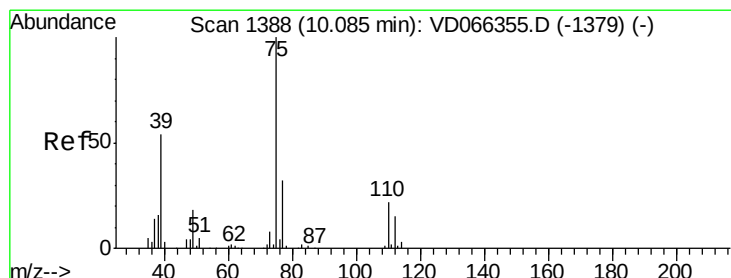
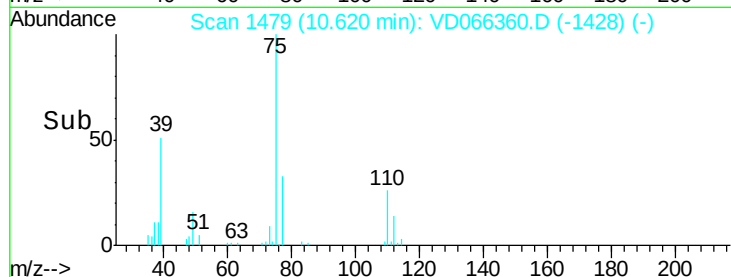
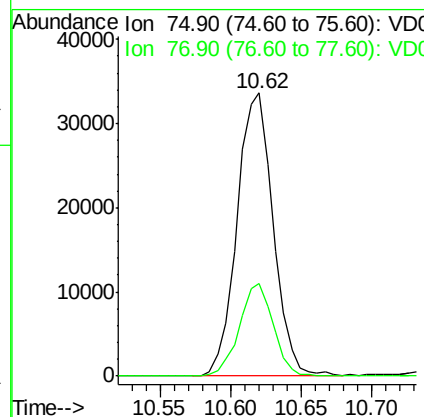
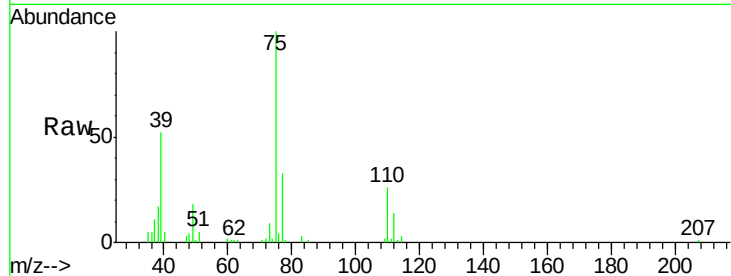
#53
 t-1,3-Dichloropropene
 Concen: 19.985 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7

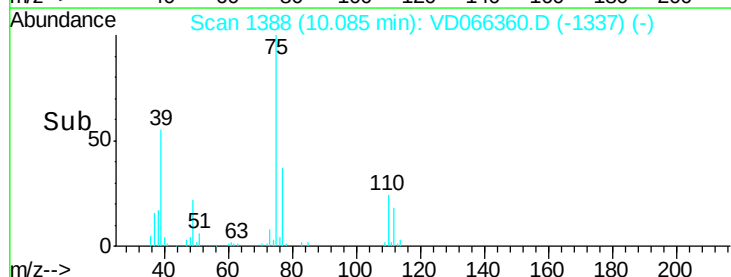
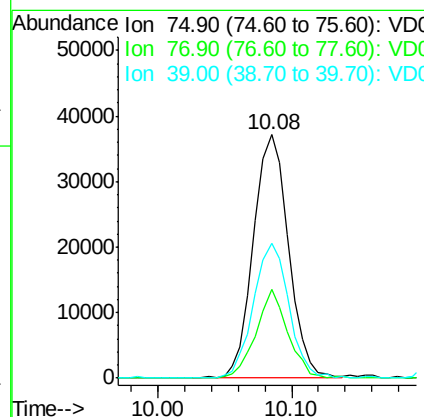
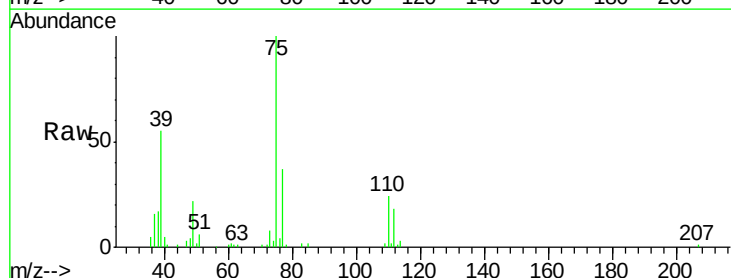
Manual Integrations
 APPROVED

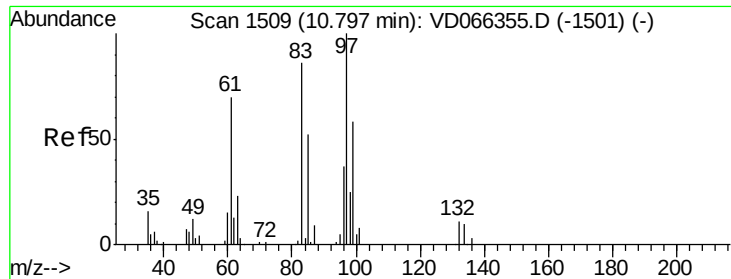
MMDadoda
 8/24/2020 4:37:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.004 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.5	25.6	38.4
39	55.4	43.4	65.0





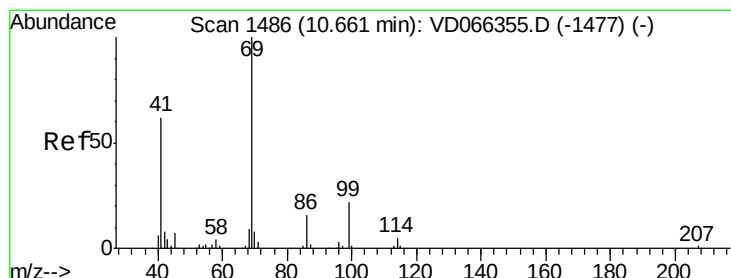
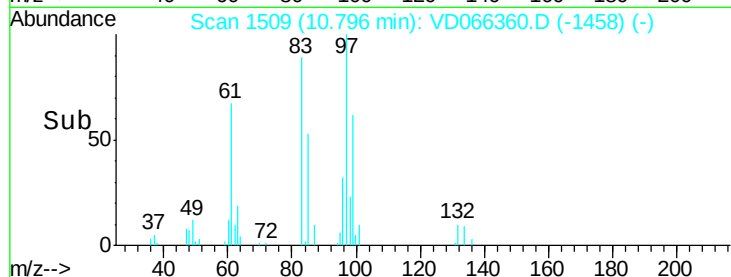
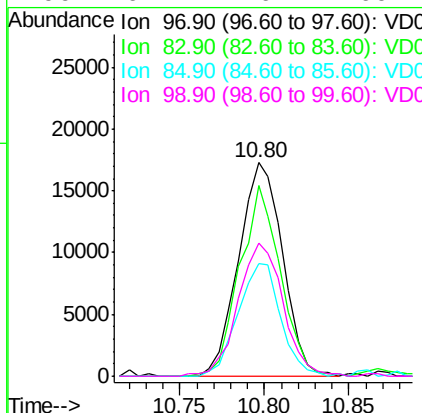
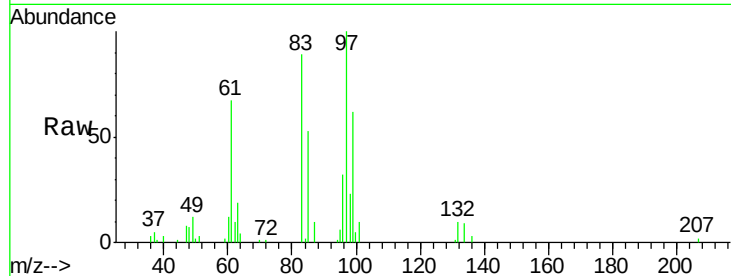
#55
 1,1,2-Trichloroethane
 Concen: 19.998 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:	97	Resp:	31246
Ion	Ratio	Lower	Upper
97	100		
83	89.1	68.4	102.6
85	52.5	41.3	61.9
99	61.1	46.1	69.1

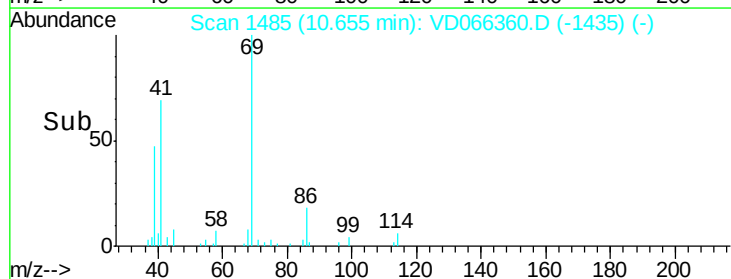
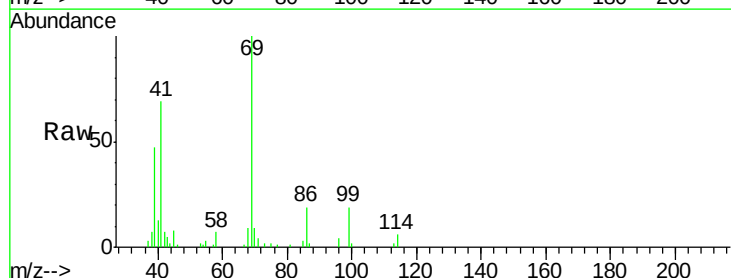
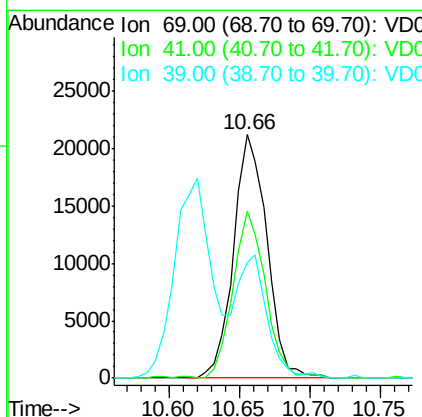
Manual Integrations
 APPROVED

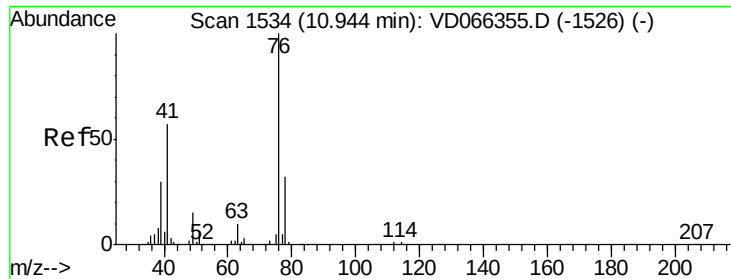
MMDadoda
 8/24/2020 4:37:25 PM



#56
 Ethyl methacrylate
 Concen: 19.357 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion:	69	Resp:	35011
Ion	Ratio	Lower	Upper
69	100		
41	67.1	50.8	76.2
39	43.5	32.9	49.3





#57

1,3-Dichloropropane

Concen: 19.962 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 76 Resp: 51590

Ion Ratio Lower Upper

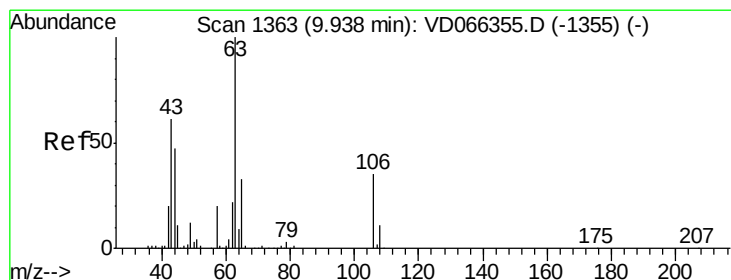
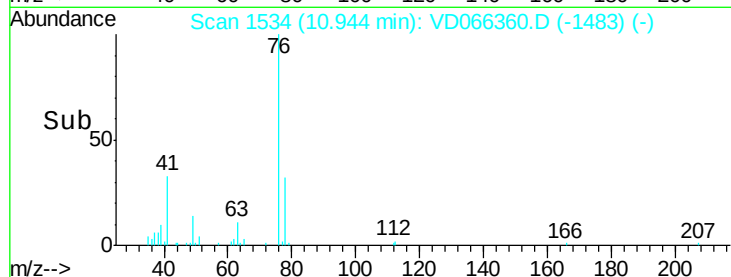
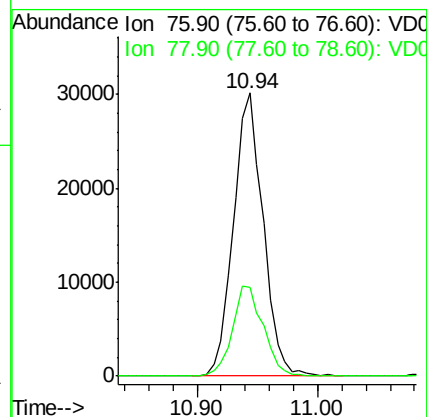
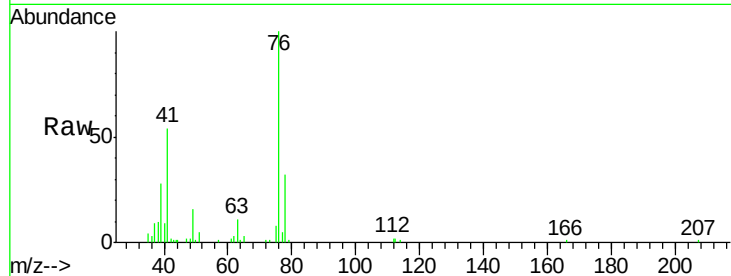
76 100

78 32.9 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

8/24/2020 4:37:25 PM



#58

2-Chloroethyl Vinyl ether

Concen: 101.900 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066360.D

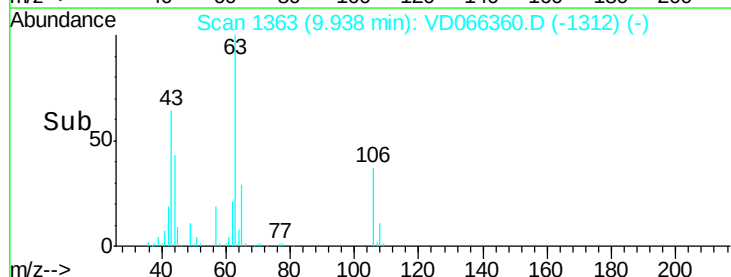
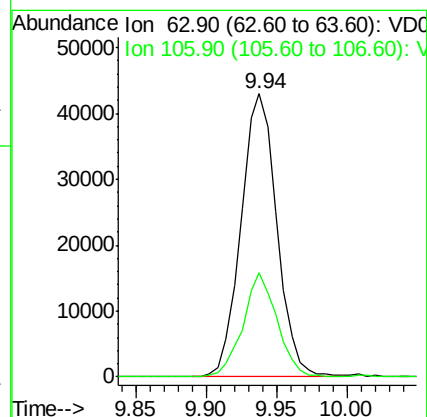
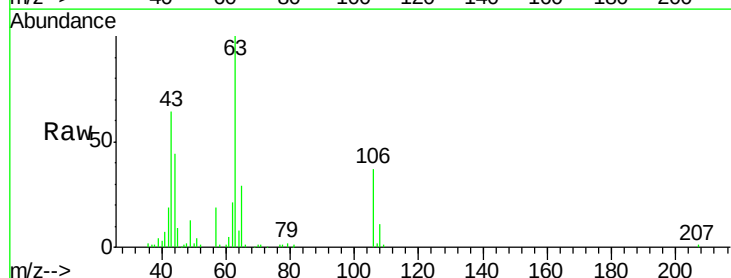
Acq: 21 Aug 2020 15:32

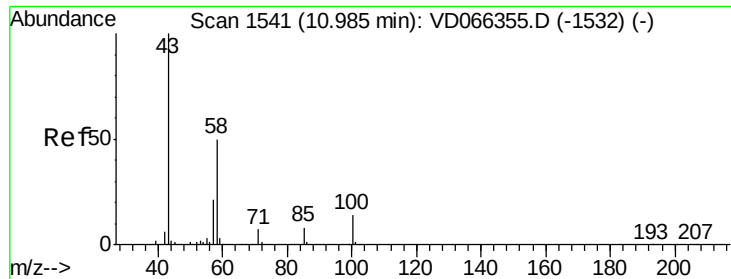
Tgt Ion: 63 Resp: 76548

Ion Ratio Lower Upper

63 100

106 34.9 27.1 40.7





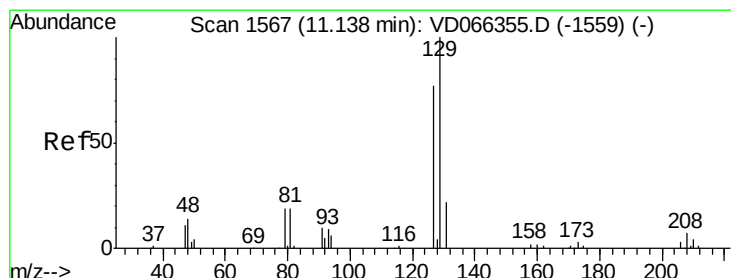
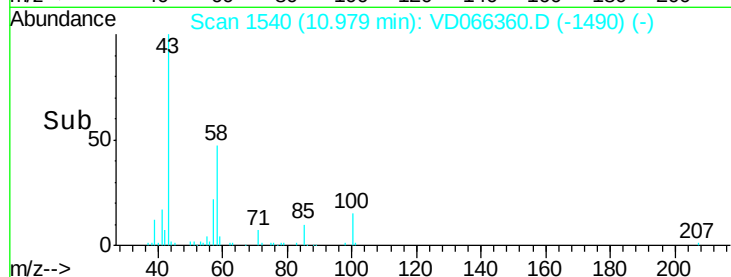
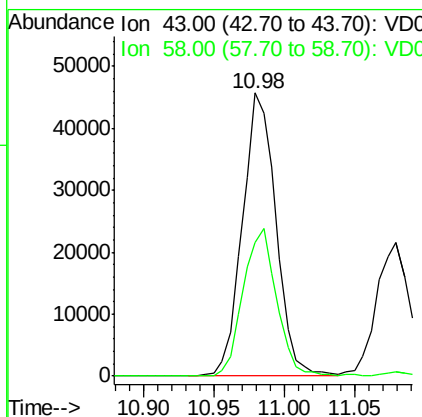
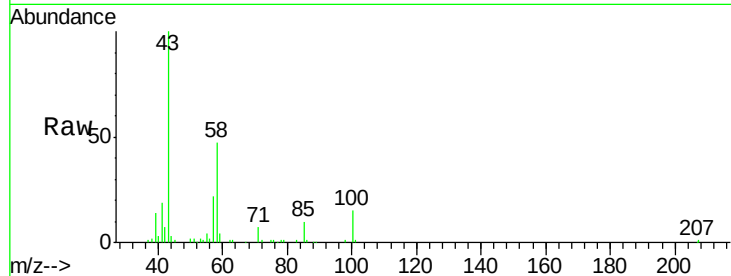
#59
2-Hexanone
Concen: 105.343 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 43 Resp: 76271
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8

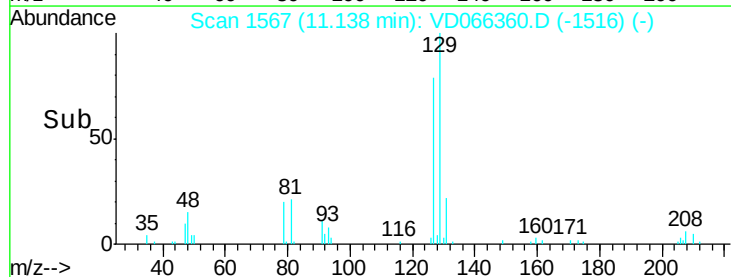
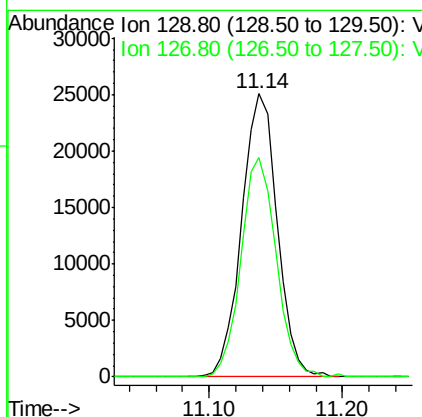
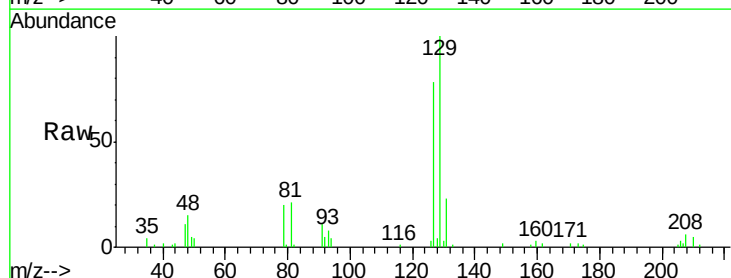
Manual Integrations
APPROVED

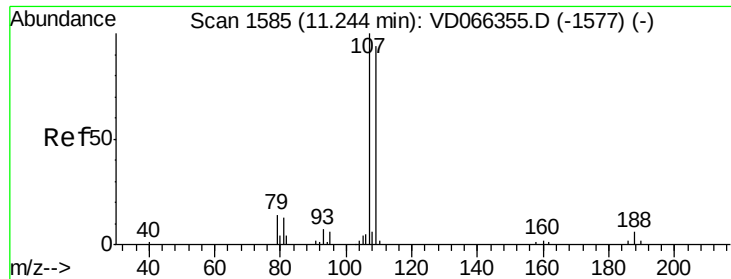
MMDadoda
8/24/2020 4:37:25 PM



#60
Dibromochloromethane
Concen: 19.600 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion:129 Resp: 46161
Ion Ratio Lower Upper
129 100
127 76.6 39.0 117.0





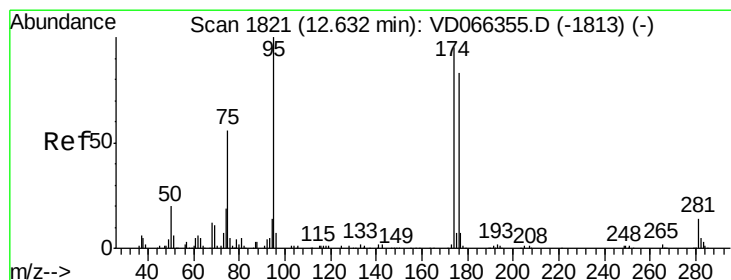
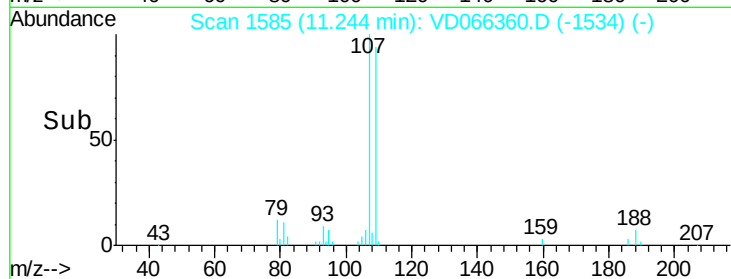
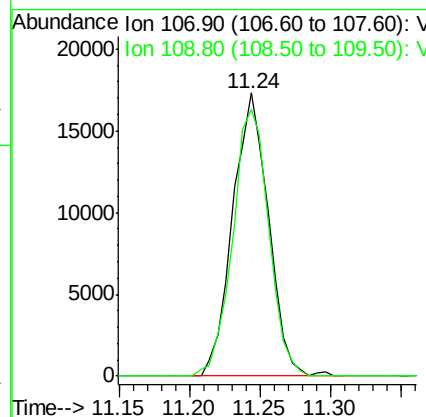
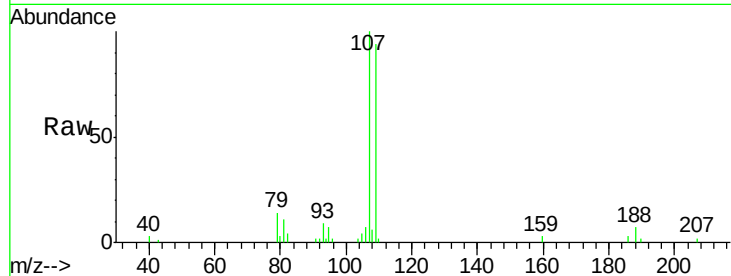
#61
 1,2-Dibromoethane
 Concen: 19.910 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	77.8	116.8

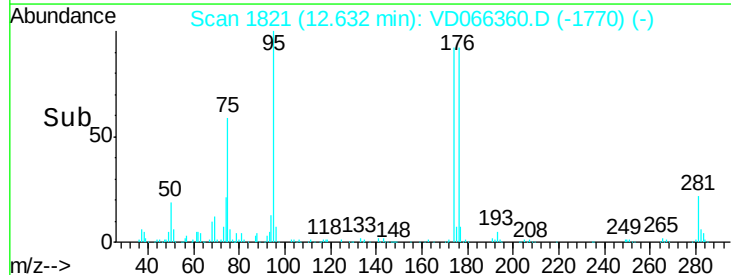
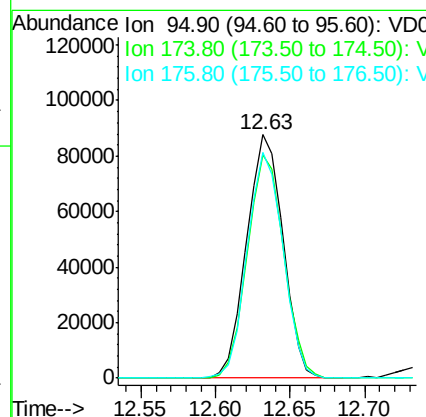
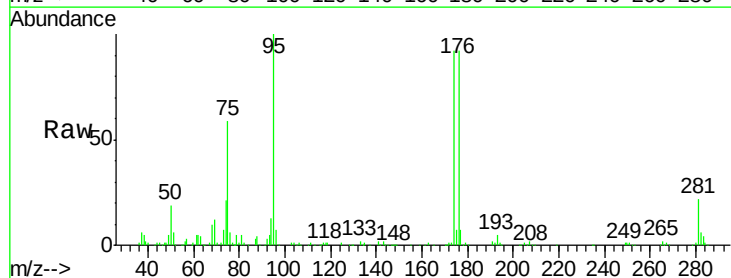
Manual Integrations
 APPROVED

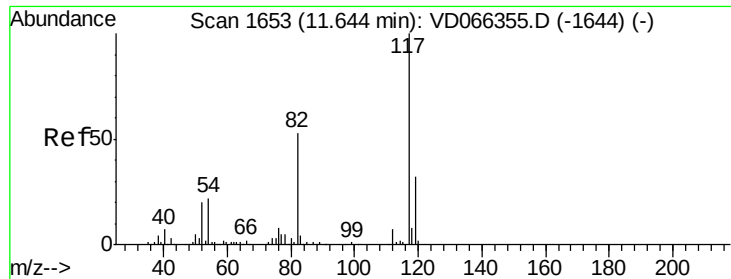
MMDadoda
 8/24/2020 4:37:25 PM



#62
 4-Bromofluorobenzene
 Concen: 53.441 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	183.4
176	90.9	0.0	173.8





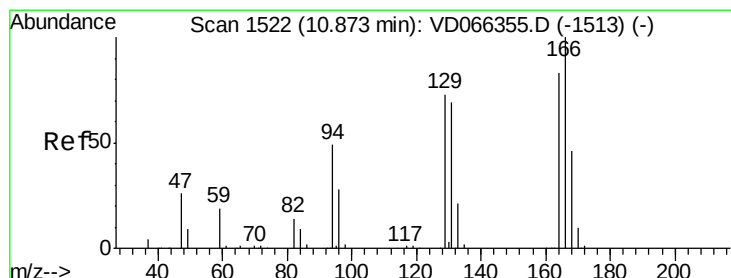
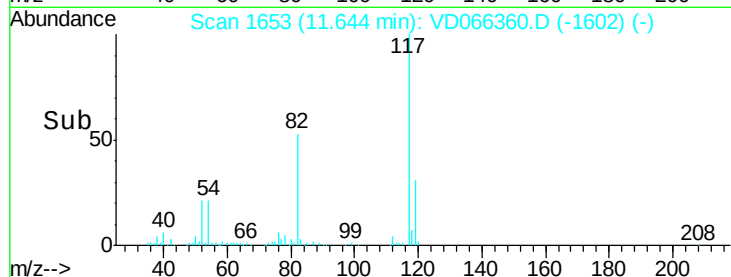
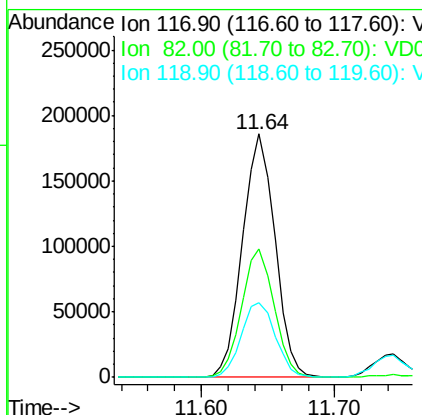
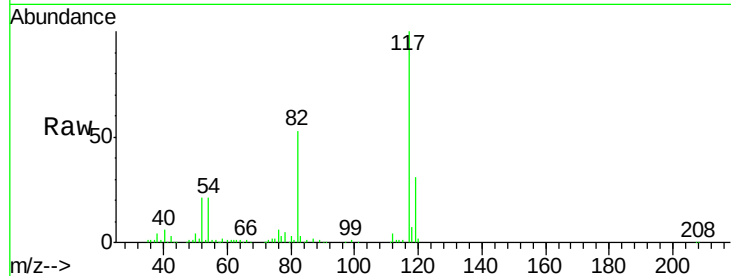
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	313568		
82	52.5	42.8	64.2	
119	30.7	25.8	38.8	

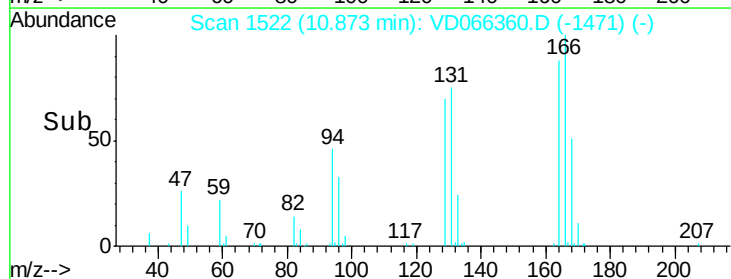
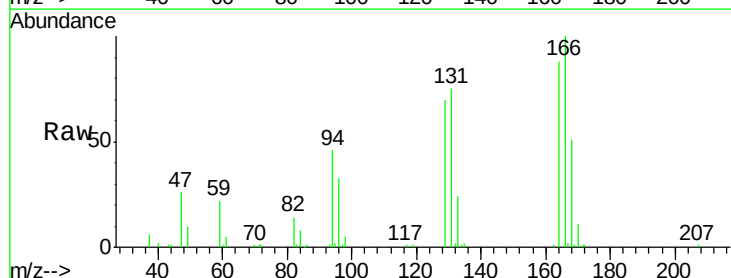
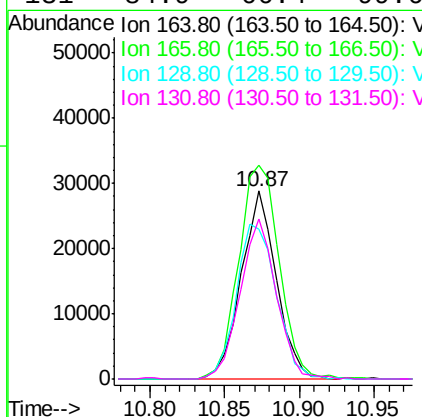
Manual Integrations
APPROVED

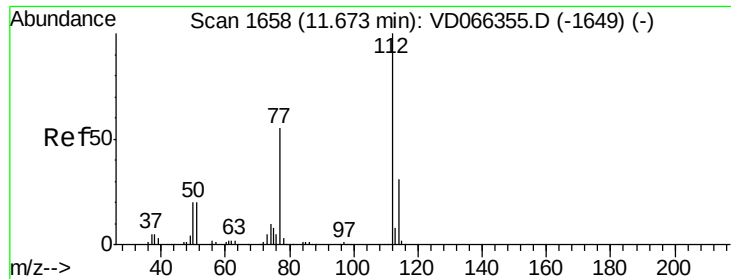
MMDadoda
8/24/2020 4:37:25 PM



#64
Tetrachloroethene
Concen: 19.694 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46847		
166	113.7	96.2	144.4	
129	79.6	70.3	105.5	
131	84.9	66.4	99.6	





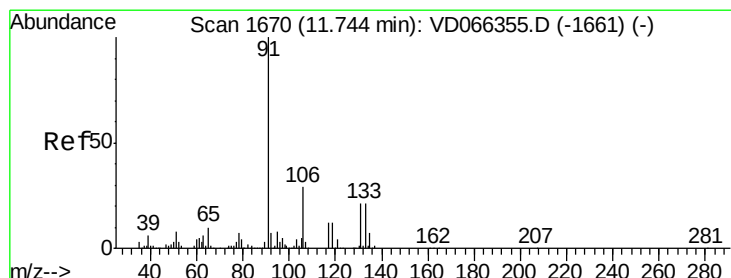
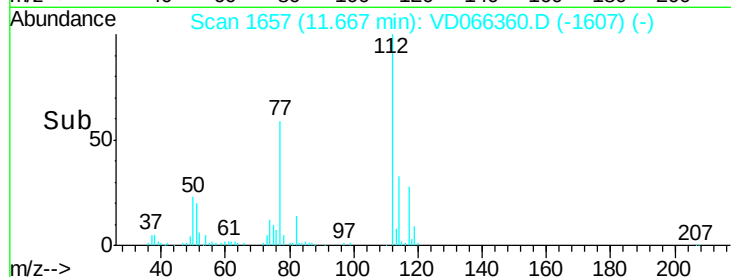
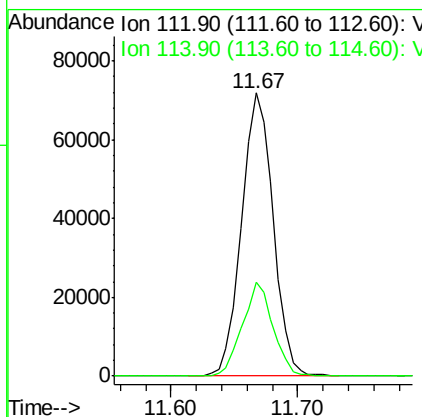
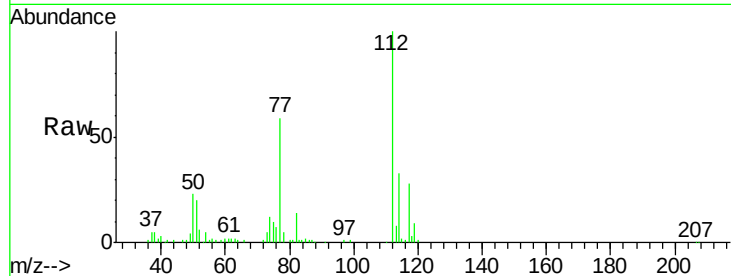
#65
Chlorobenzene
Concen: 19.921 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.1	37.7

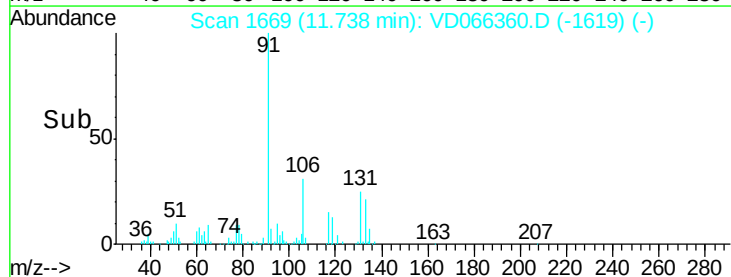
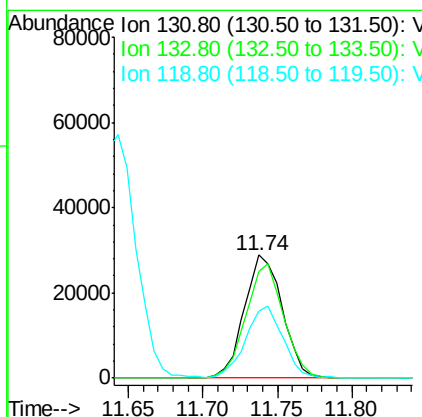
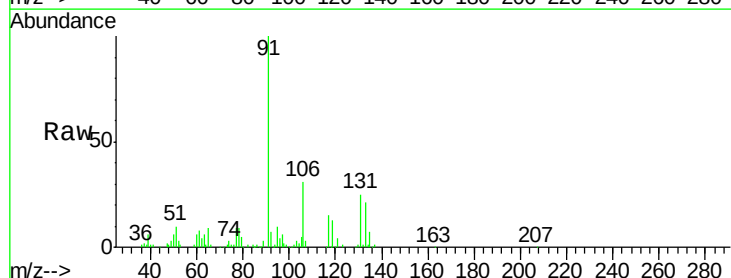
Manual Integrations
APPROVED

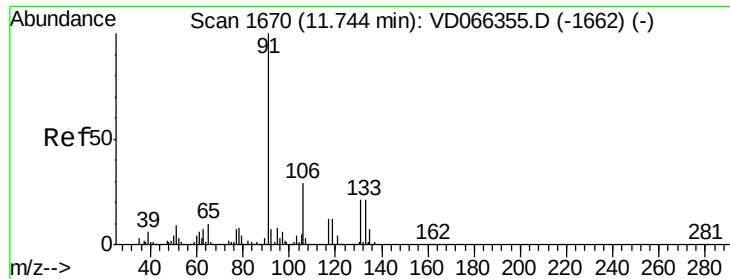
MMDadoda
8/24/2020 4:37:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.918 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.9	48.6	145.9
119	57.8	29.0	87.1





#67

Ethyl Benzene

Concen: 19.910 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 91 Resp: 218642

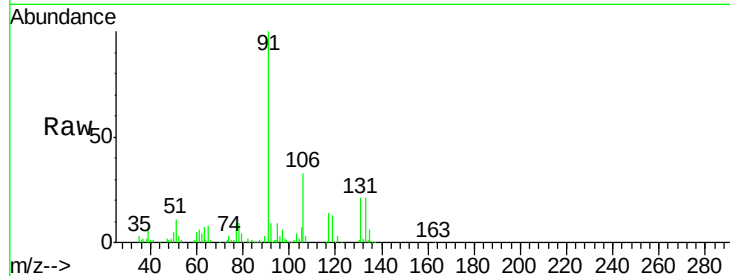
Ion Ratio Lower Upper

91 100

106 33.3 23.4 35.2

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD066355.D (-1662) (-)

150000

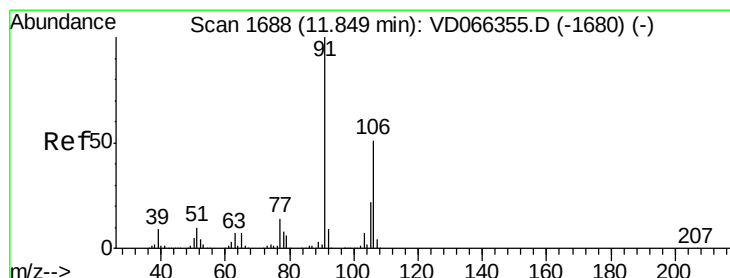
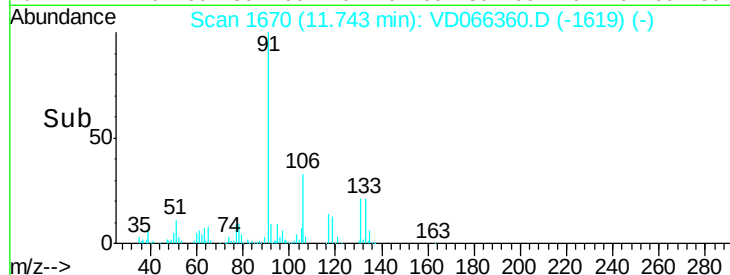
100000

50000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 40.266 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066360.D

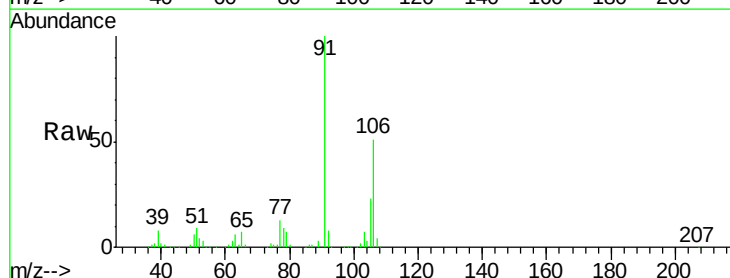
Acq: 21 Aug 2020 15:32

Tgt Ion: 106 Resp: 168535

Ion Ratio Lower Upper

106 100

91 208.9 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066355.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD066355.D (-1680) (-)

200000

150000

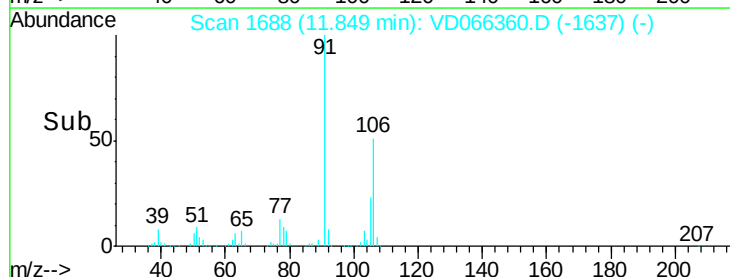
100000

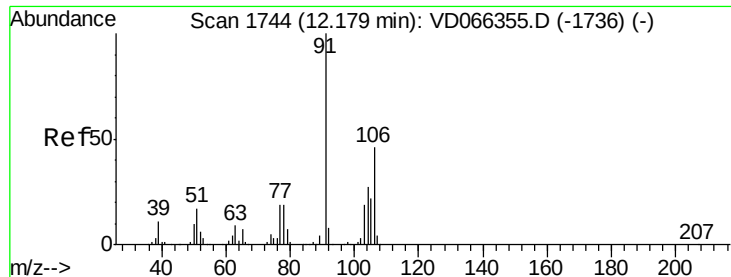
50000

0

11.80 11.85 11.90

Time-->





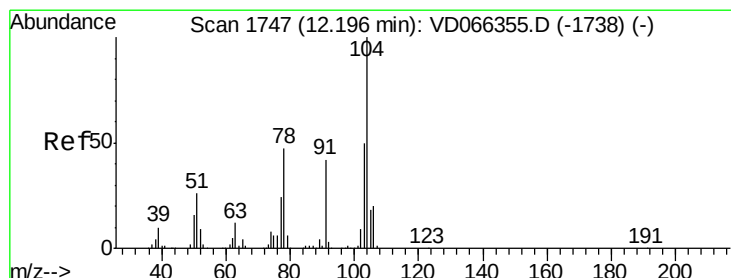
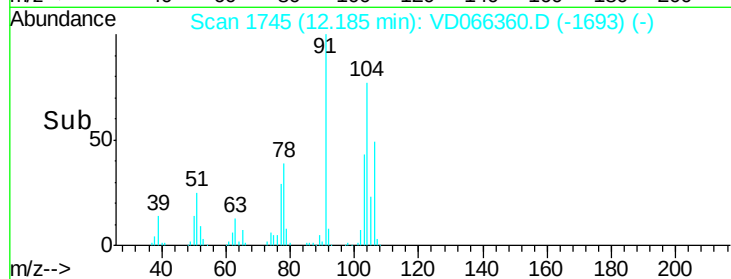
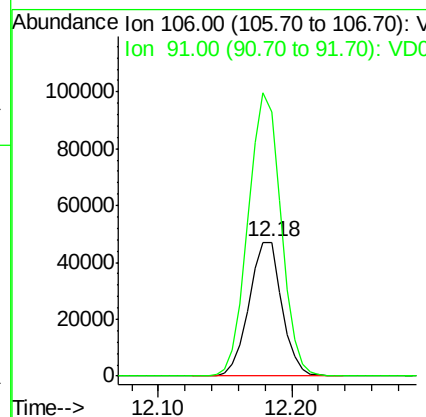
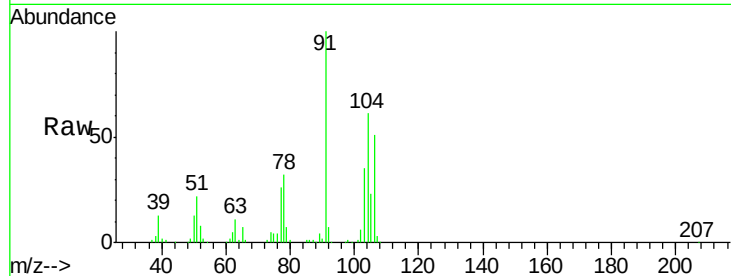
#69
o-Xylene
Concen: 20.468 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:106 Resp: 79699
Ion Ratio Lower Upper
106 100
91 211.6 109.1 327.3

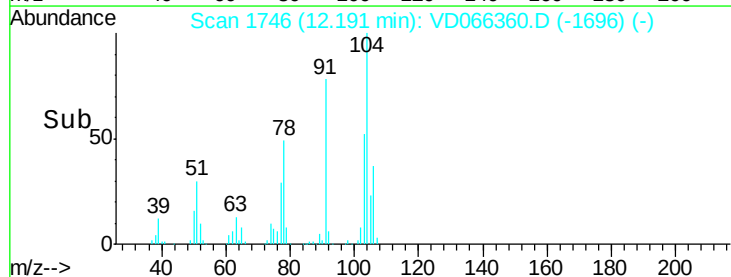
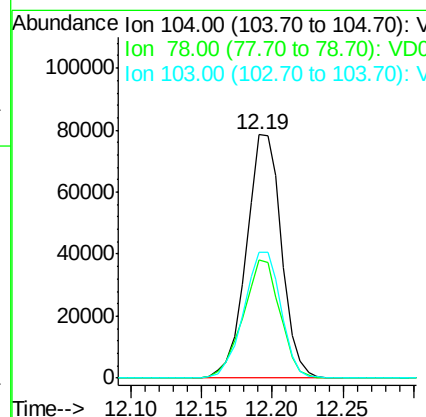
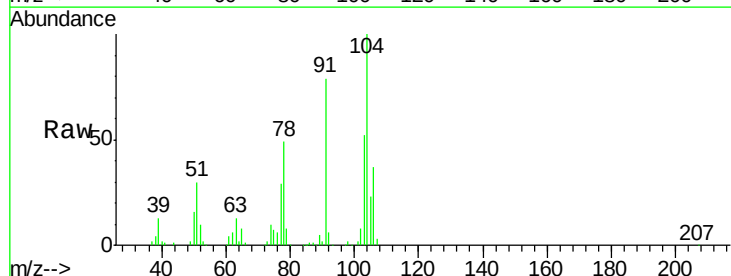
Manual Integrations
APPROVED

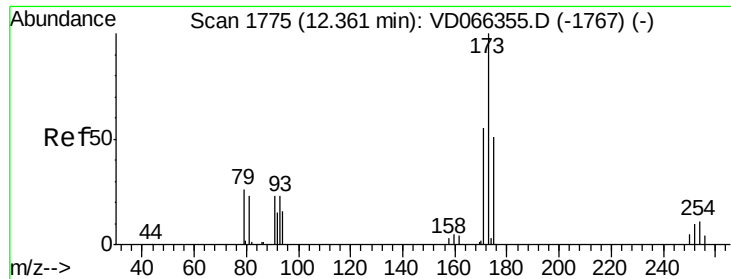
MMDadoda
8/24/2020 4:37:25 PM



#70
Styrene
Concen: 20.484 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion:104 Resp: 136956
Ion Ratio Lower Upper
104 100
78 51.1 41.7 62.5
103 54.9 43.5 65.3





#71

Bromoform

Concen: 20.517 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

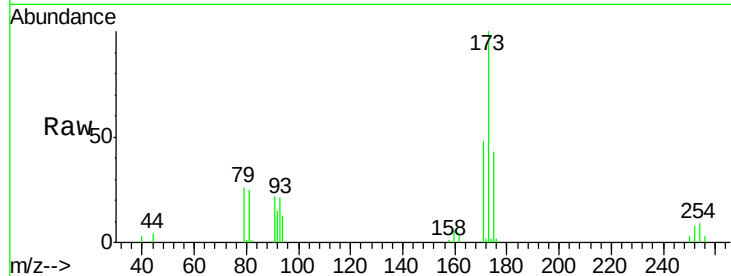
ClientSampleId :

VD0821SBS01

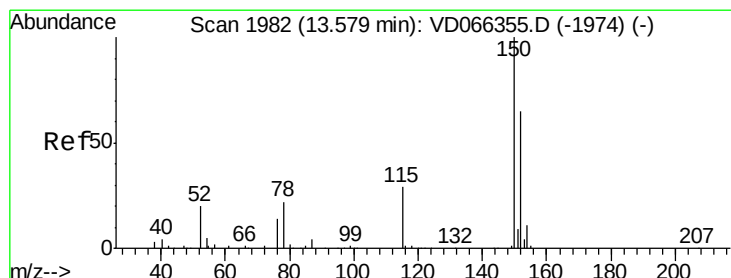
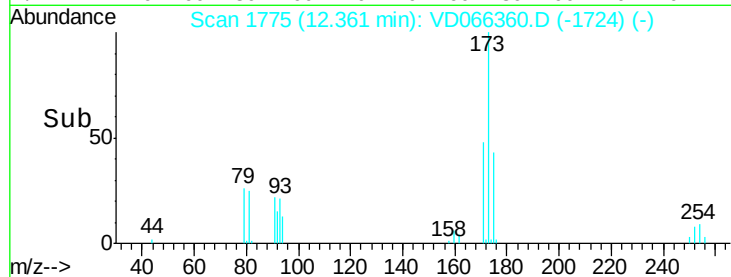
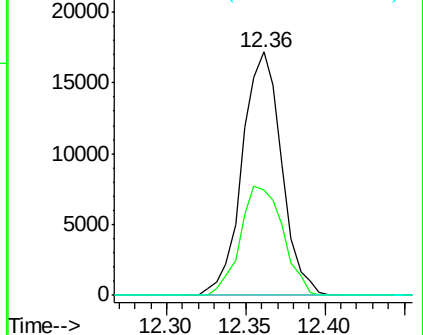
Tot Ion:	173	Resp:	29676
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

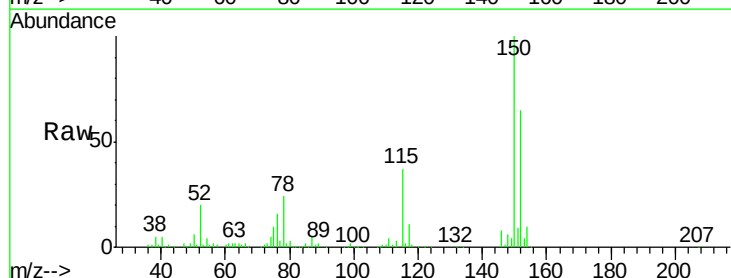
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

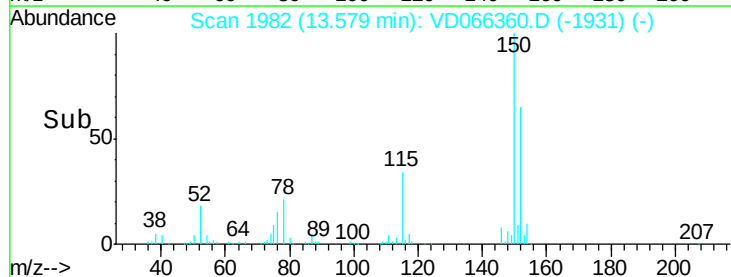
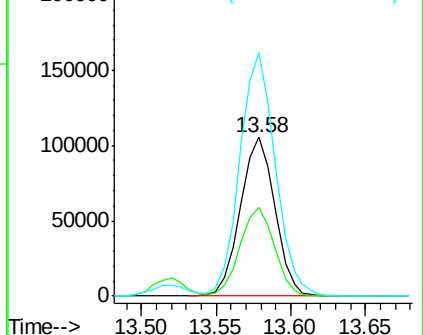
Lab File: VD066360.D

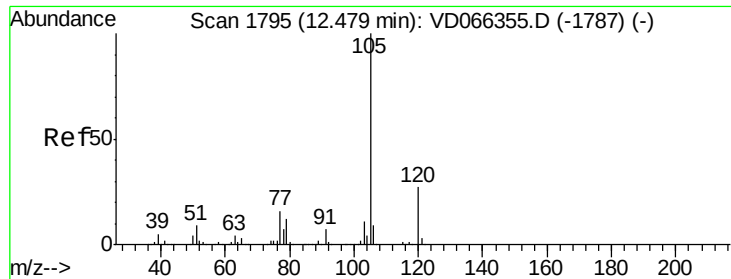
Acq: 21 Aug 2020 15:32

Tgt Ion:	152	Resp:	169149
Ion Ratio	Lower	Upper	
152	100		
115	55.8	28.3	85.0
150	157.7	0.0	343.2



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





#73

Isopropylbenzene

Concen: 19.637 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:105 Resp: 222515

Ion Ratio Lower Upper

105 100

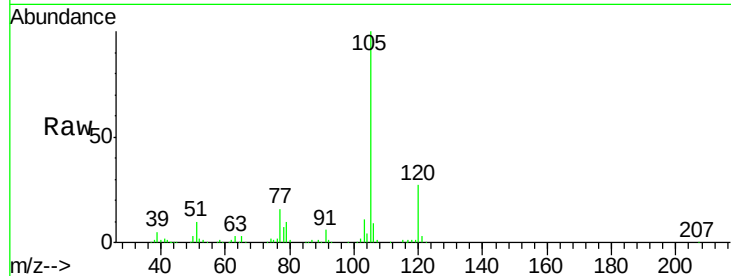
120 27.3 13.6 40.8

Manual Integrations

APPROVED

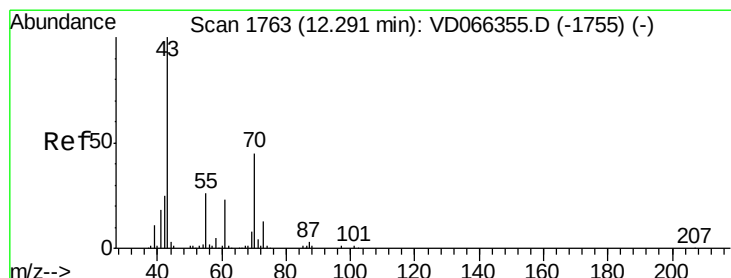
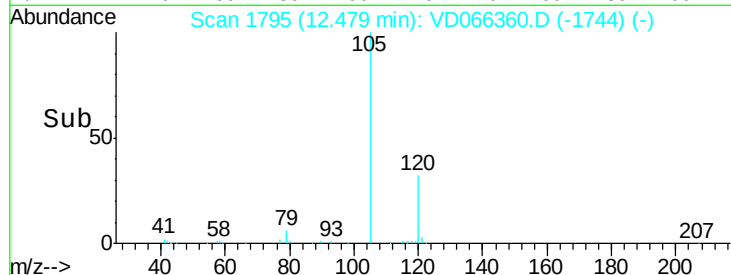
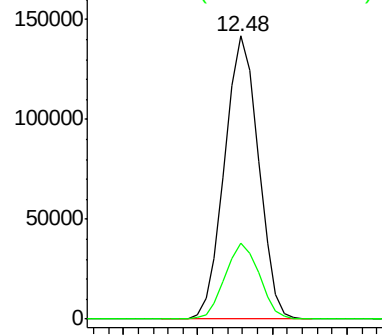
MMDadoda

8/24/2020 4:37:25 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: 19.383 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion: 43 Resp: 39669

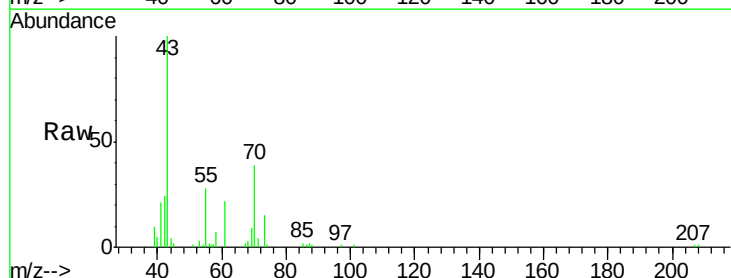
Ion Ratio Lower Upper

43 100

70 41.7 34.8 52.2

55 25.5 20.3 30.5

61 23.0 19.0 28.6

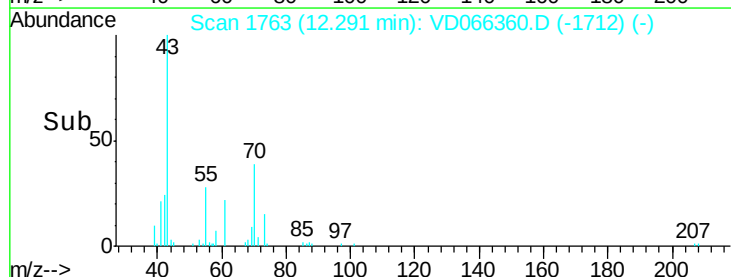
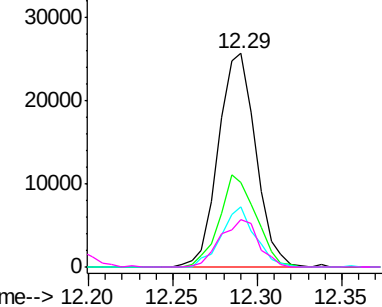


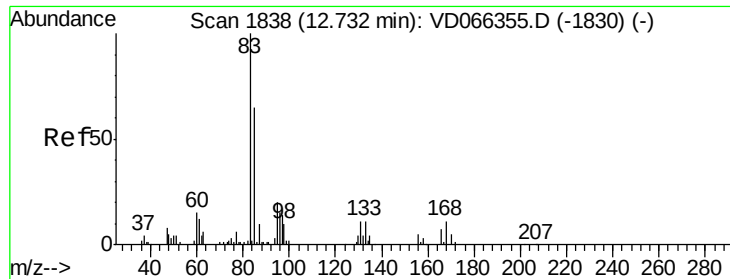
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.716 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

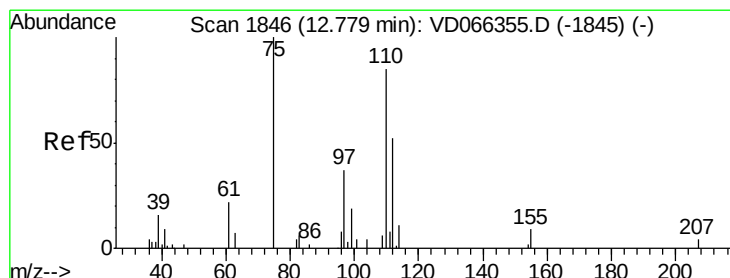
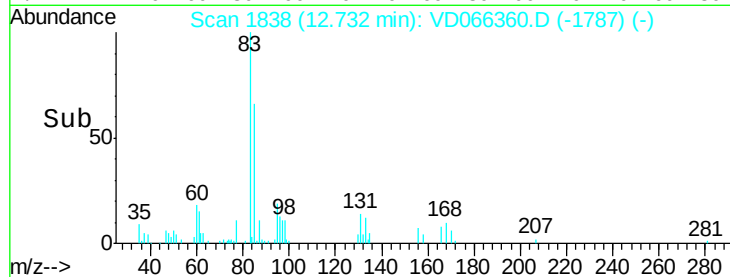
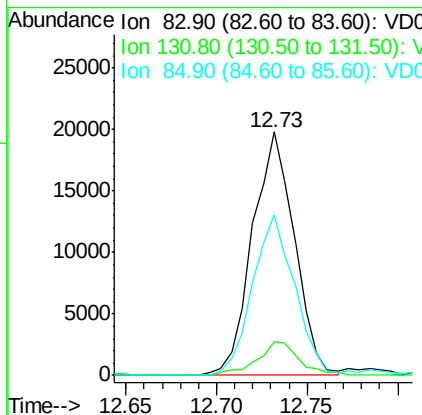
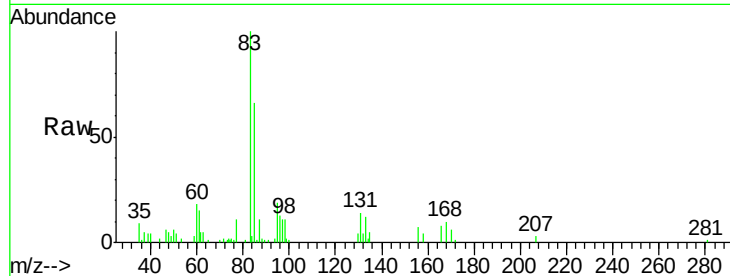
ClientSampleId :

VD0821SBS01

Tot Ion:	83	Resp:	31914
Ion	Ratio	Lower	Upper
83	100		
131	13.8	7.0	20.9
85	66.1	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#76

1,2,3-Trichloropropane

Concen: 18.255 ug/l m

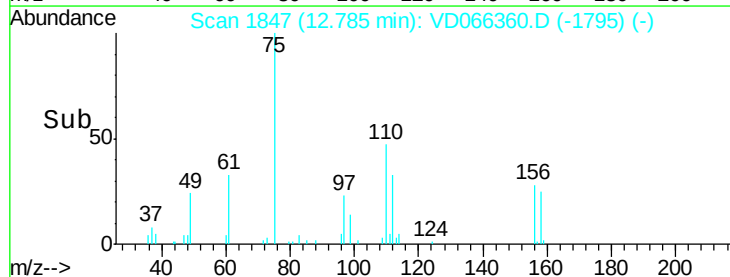
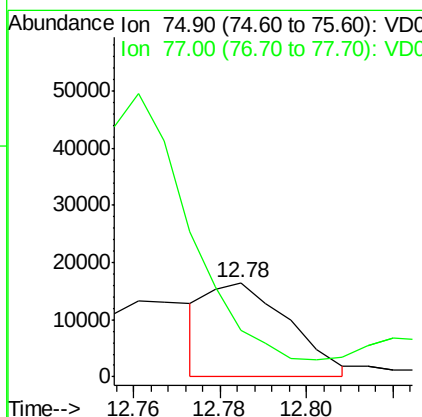
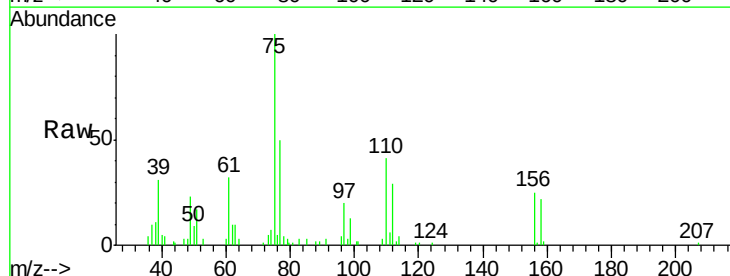
RT: 12.78 min Scan# 1847

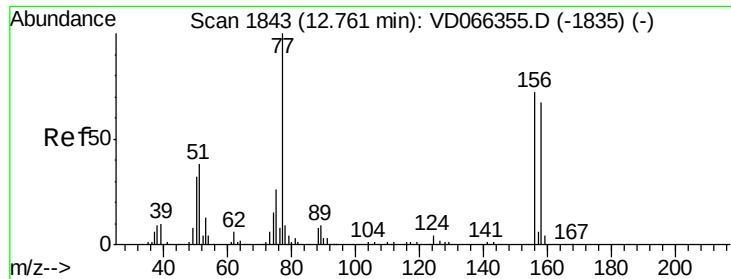
Delta R.T. 0.01 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion:	75	Resp:	21723
Ion	Ratio	Lower	Upper
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 19.448 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

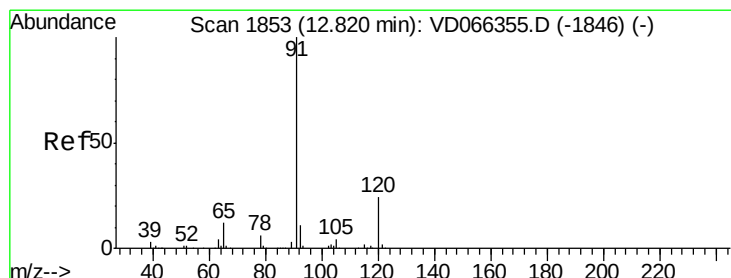
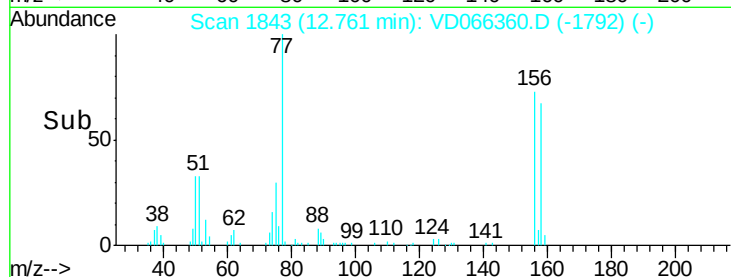
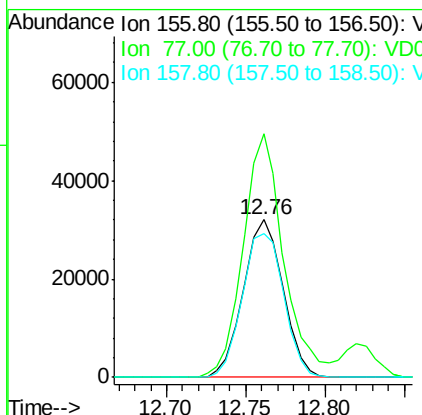
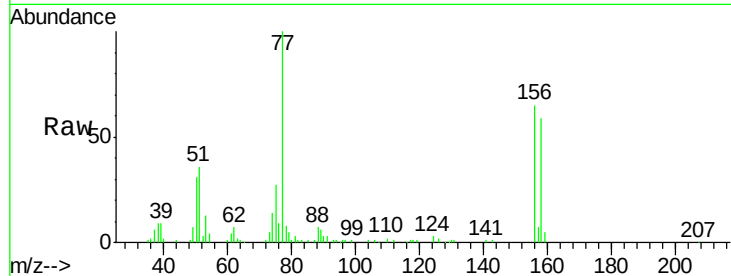
ClientSampleId :

VD0821SBS01

Tot Ion:	156	Resp:	55931
Ion	Ratio	Lower	Upper
156	100		
77	157.6	76.1	228.3
158	95.6	47.6	142.9

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#78

n-propylbenzene

Concen: 19.843 ug/l

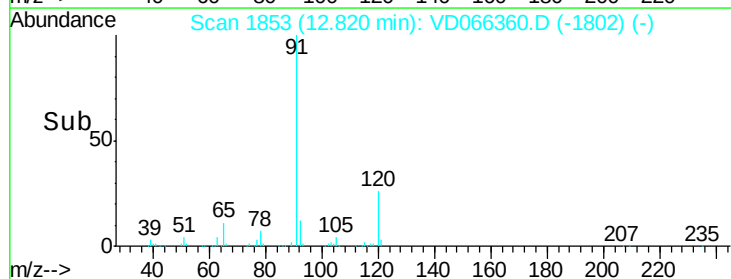
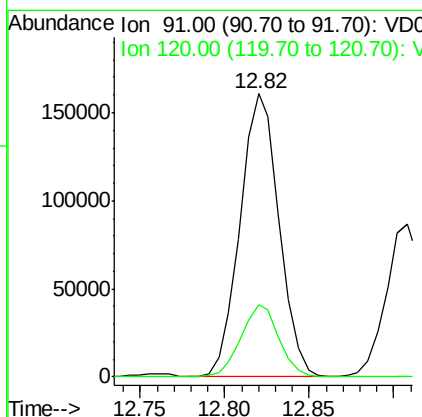
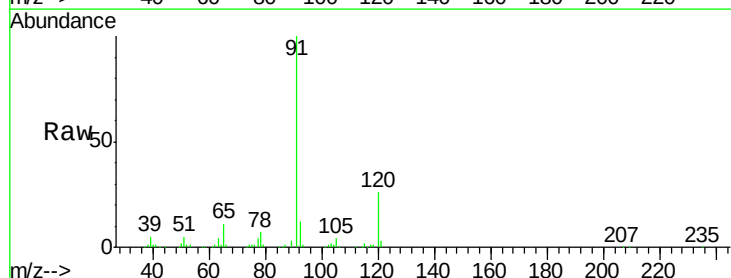
RT: 12.82 min Scan# 1853

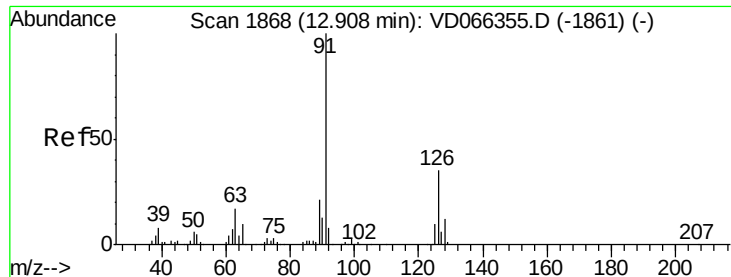
Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion:	91	Resp:	257807
Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.253 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampled :

VD0821SBS01

Tot Ion: 91 Resp: 142862

Ion Ratio Lower Upper

91 100

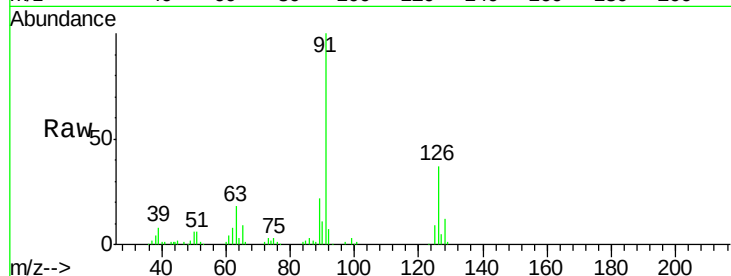
126 36.1 17.7 53.1

Manual Integrations

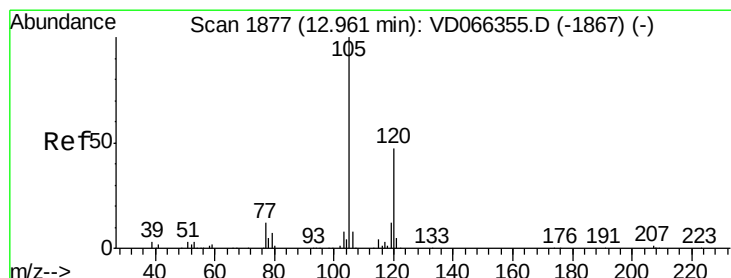
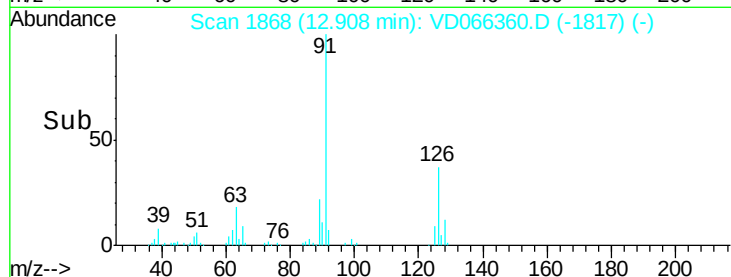
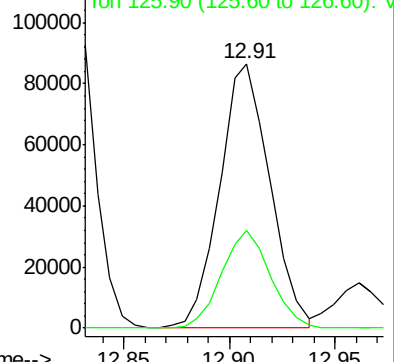
APPROVED

MMDadoda

8/24/2020 4:37:25 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.564 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066360.D

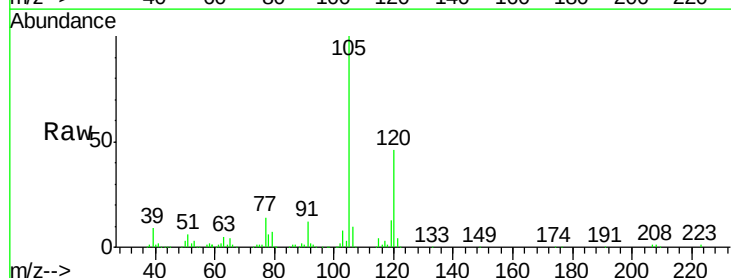
Acq: 21 Aug 2020 15:32

Tgt Ion:105 Resp: 191401

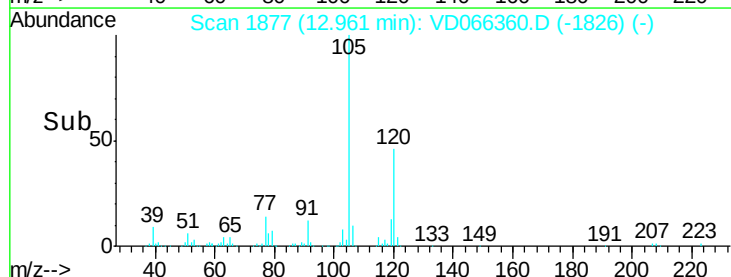
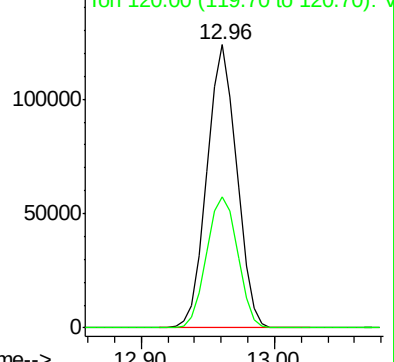
Ion Ratio Lower Upper

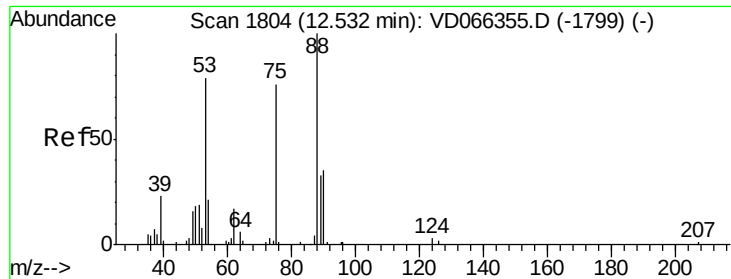
105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066355.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.885 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

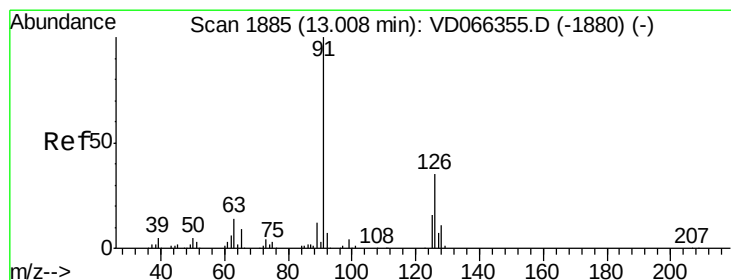
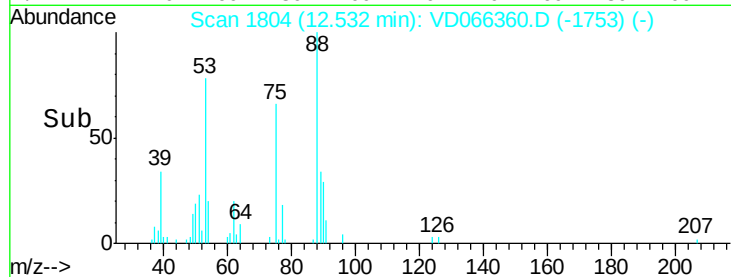
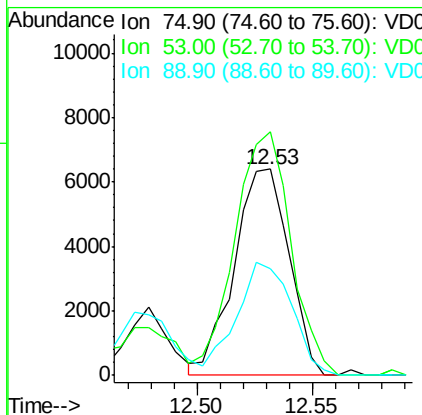
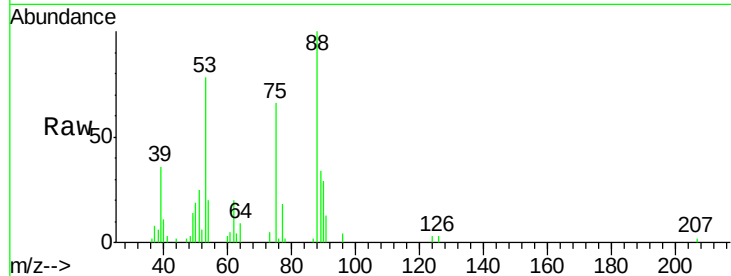
ClientSampleId :

VD0821SBS01

Tot Ion:	75	Resp:	10587
Ion	Ratio	Lower	Upper
75	100		
53	121.2	87.4	131.2
89	55.2	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#82

4-Chlorotoluene

Concen: 19.022 ug/l

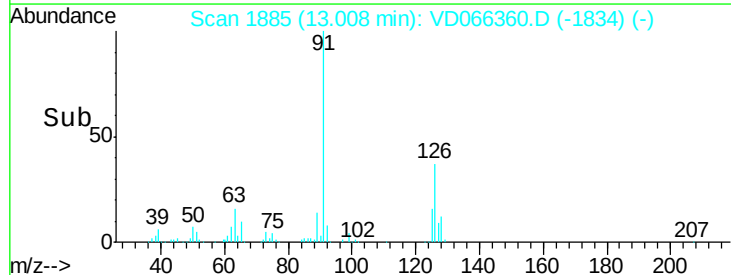
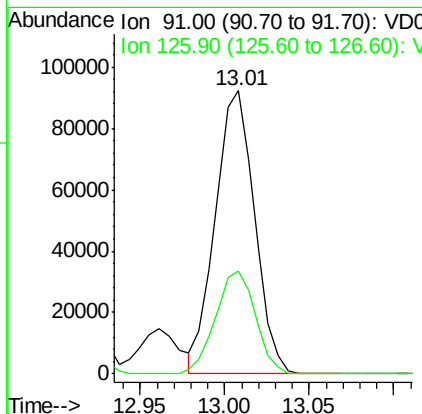
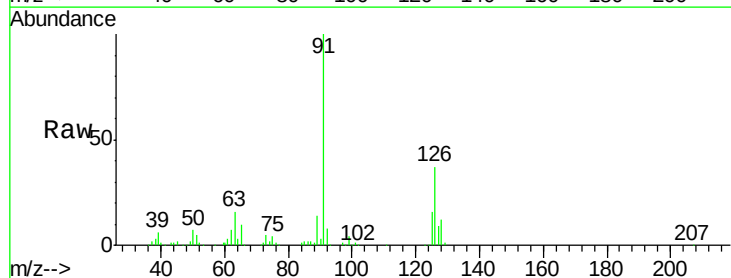
RT: 13.01 min Scan# 1885

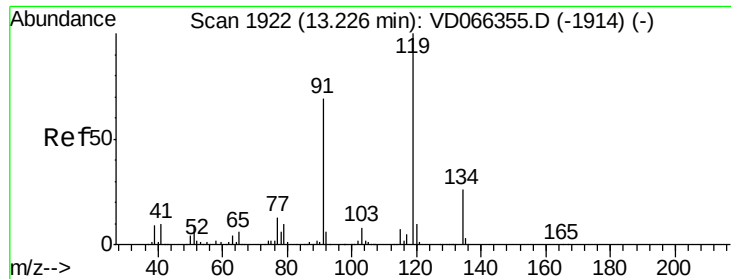
Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Tgt Ion:	91	Resp:	149549
Ion	Ratio	Lower	Upper
91	100		
126	37.1	17.4	52.2





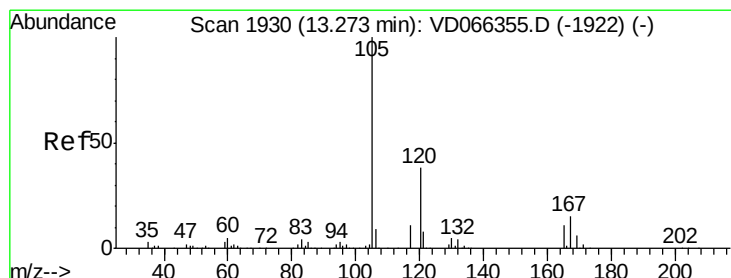
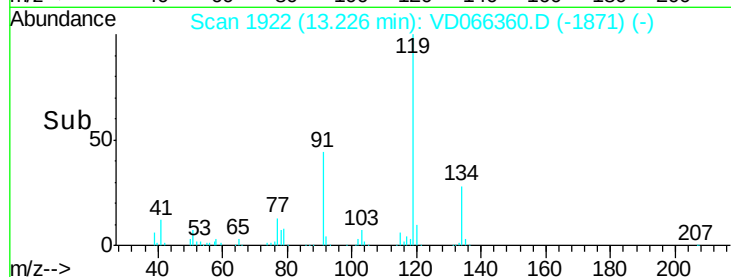
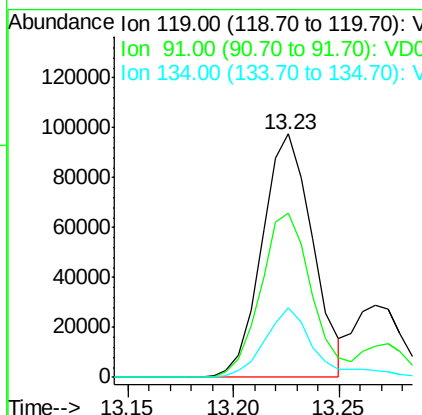
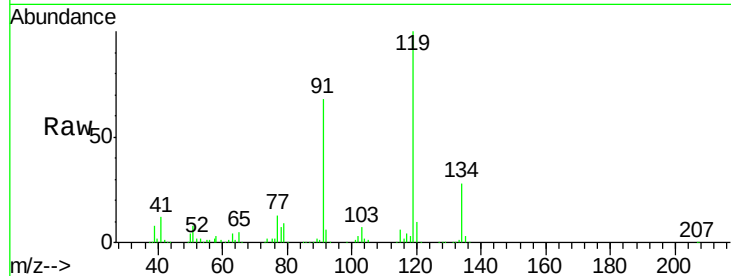
#83
 tert-Butylbenzene
 Concen: 19.139 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	162642		
91	68.2	33.5	100.5	
134	28.3	13.5	40.4	

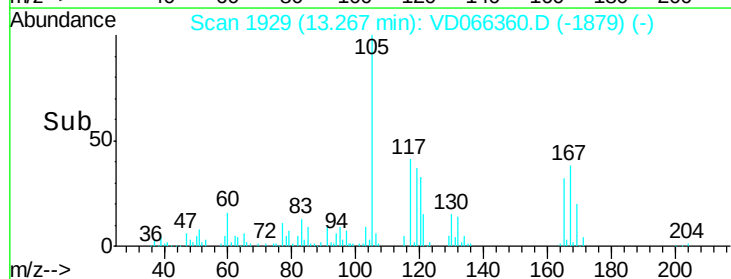
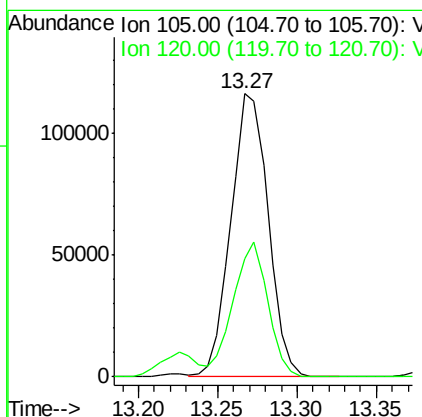
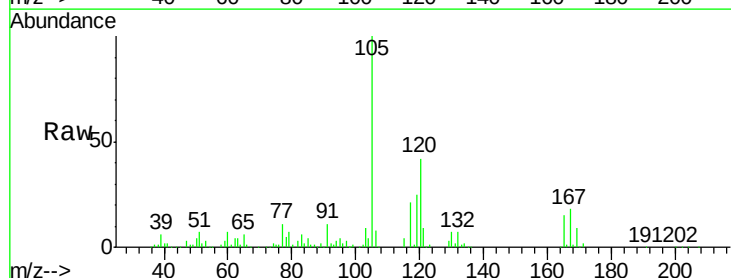
Manual Integrations
 APPROVED

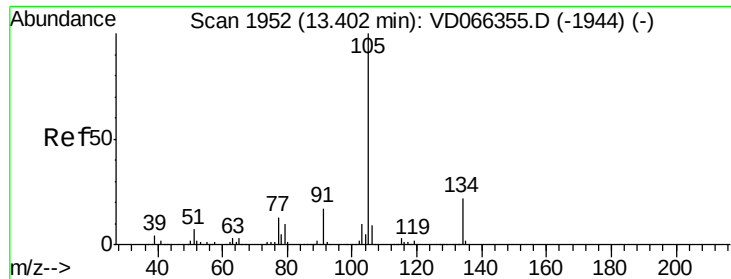
MMDadoda
 8/24/2020 4:37:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.813 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	190388		
120	44.0	22.6	67.7	





#85

sec-Butylbenzene

Concen: 19.812 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:105 Resp: 220588

Ion Ratio Lower Upper

105 100

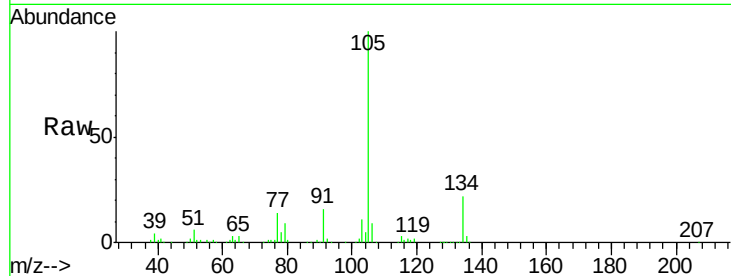
134 21.0 10.8 32.4

Manual Integrations

APPROVED

MMDadoda

8/24/2020 4:37:25 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

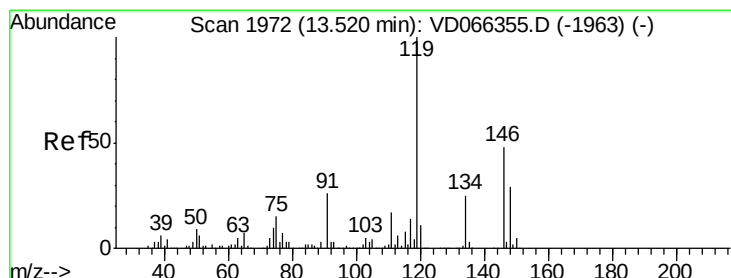
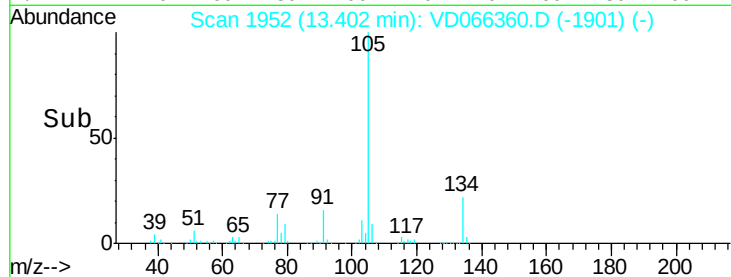
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.907 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066360.D

Acq: 21 Aug 2020 15:32

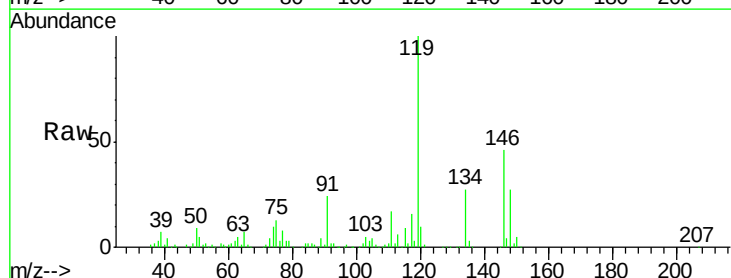
Tgt Ion:119 Resp: 213712

Ion Ratio Lower Upper

119 100

134 26.3 12.8 38.3

91 24.6 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

13.52

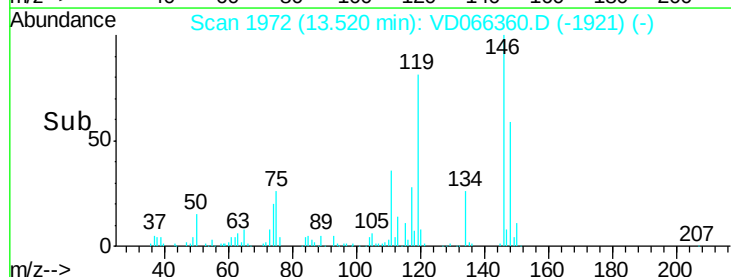
150000

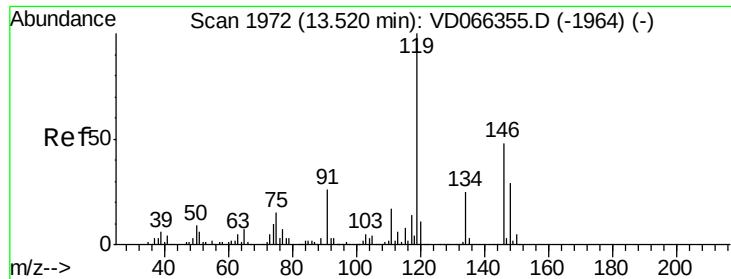
100000

50000

0

Time-->





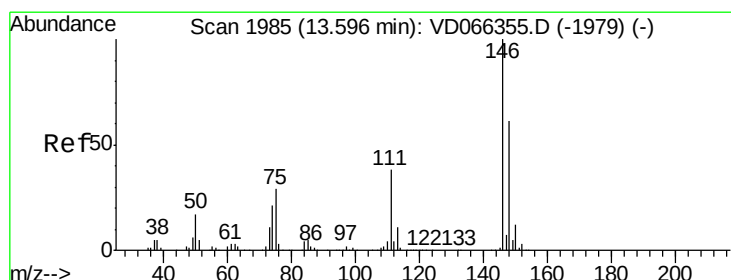
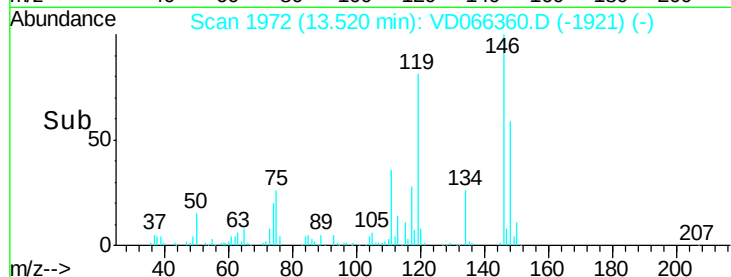
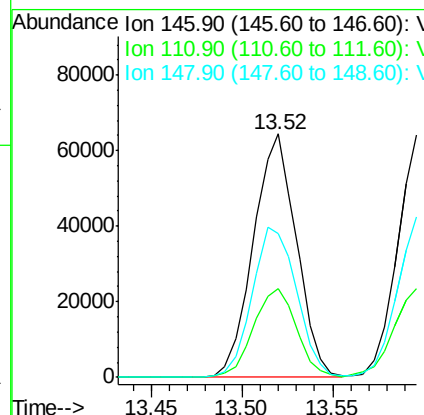
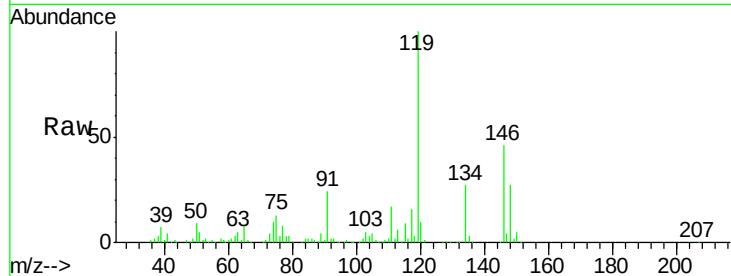
#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.9	56.9
148	63.8	31.8	95.3

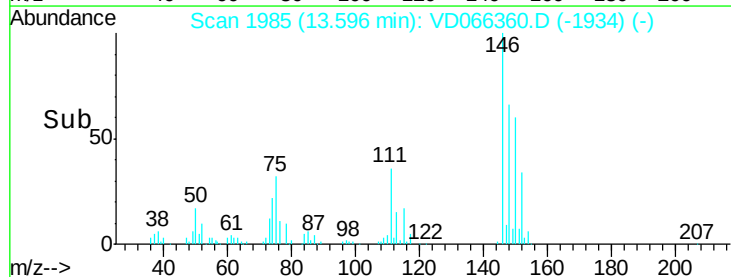
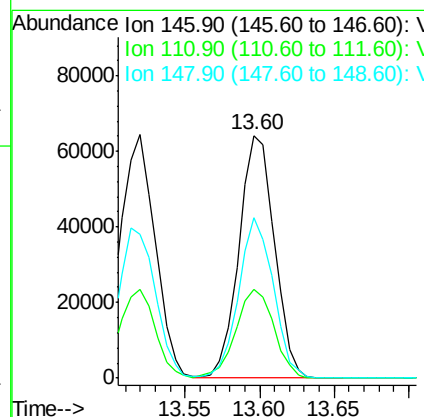
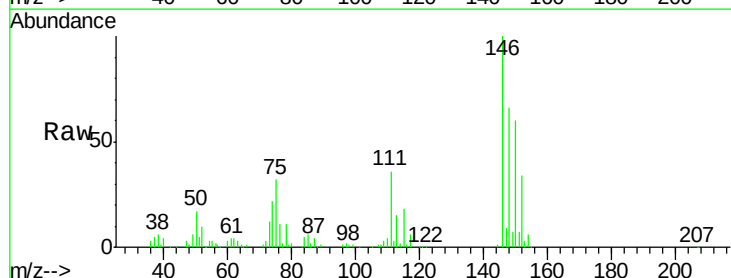
Manual Integrations
 APPROVED

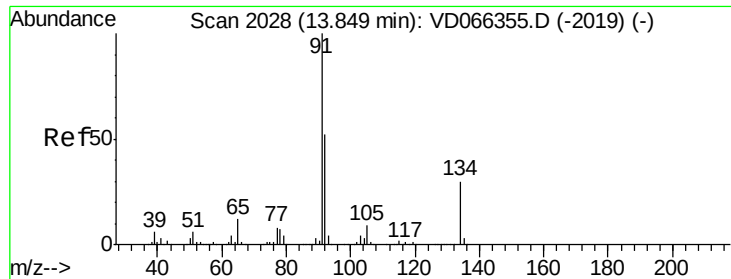
MMDadoda
 8/24/2020 4:37:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.668 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.5
148	65.0	32.1	96.3





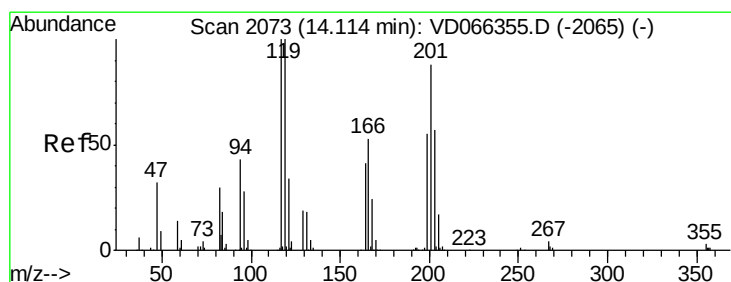
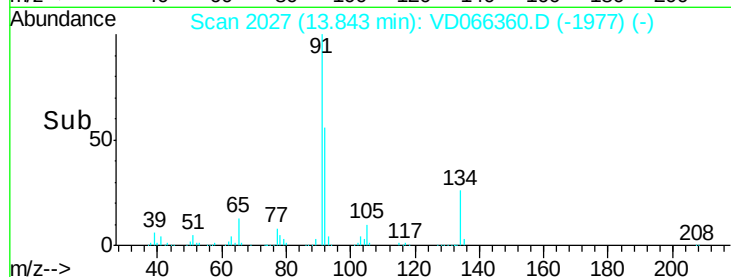
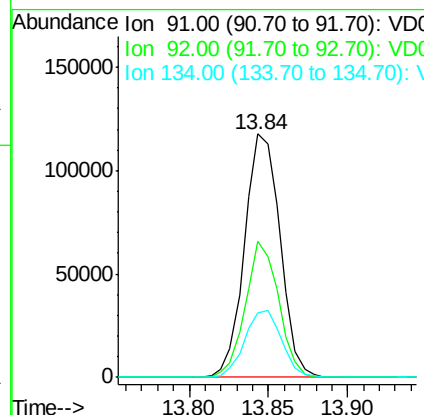
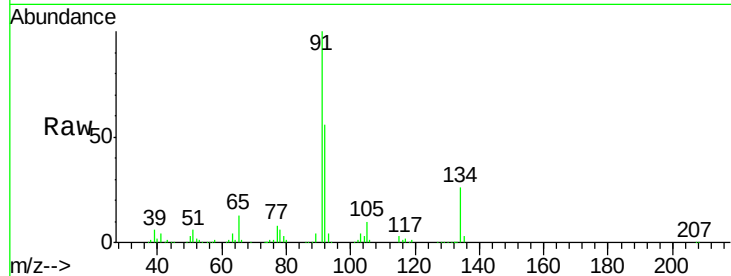
#89
n-Butylbenzene
Concen: 19.331 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.4	26.4	79.0	
134	28.4	14.4	43.4	

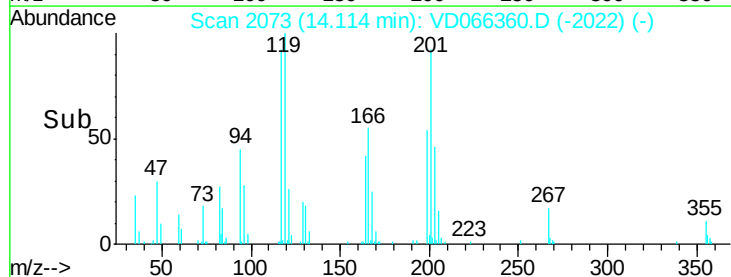
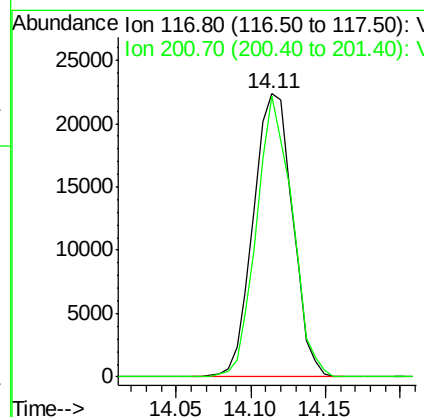
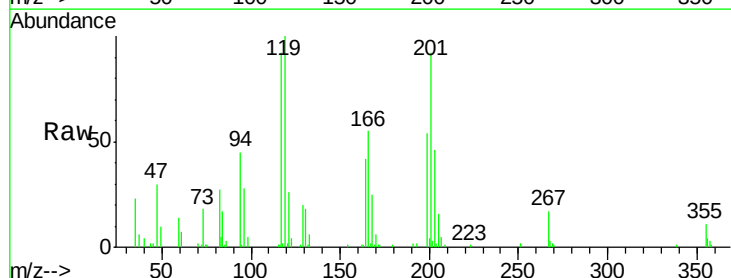
Manual Integrations
APPROVED

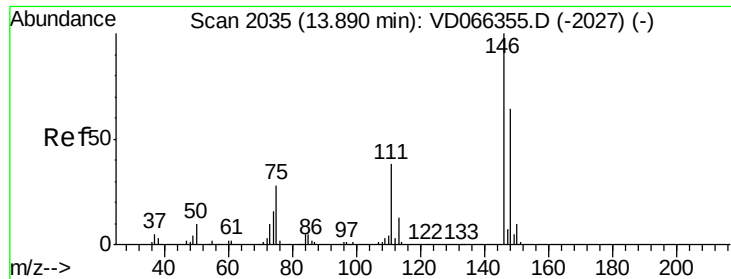
MMDadoda
8/24/2020 4:37:25 PM



#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.0	45.4	136.2	





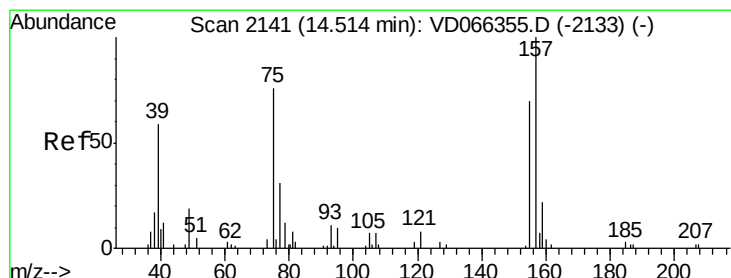
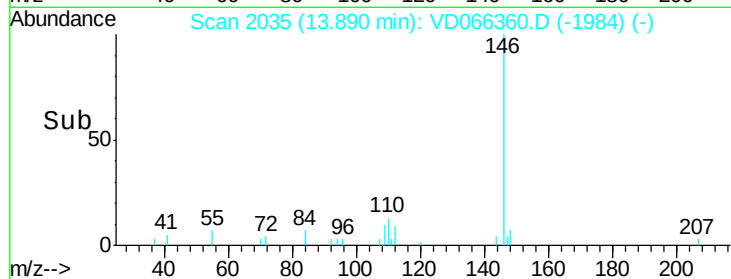
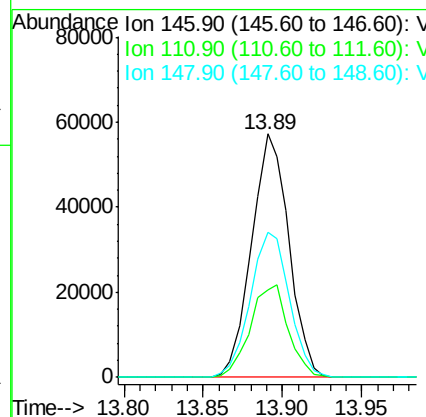
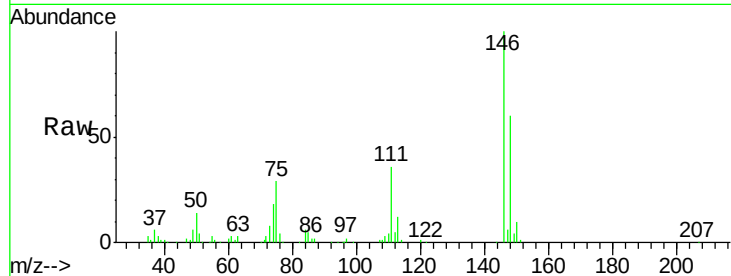
#91
 1,2-Dichlorobenzene
 Concen: 20.273 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.7
148	62.6	32.6	97.8

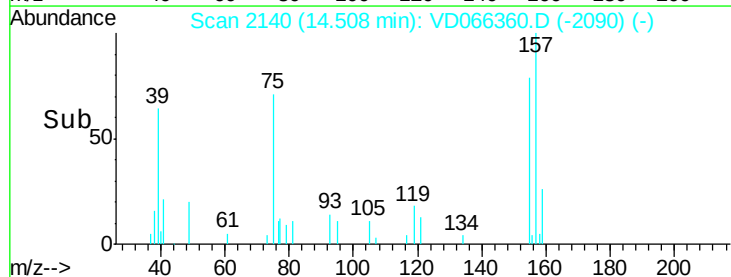
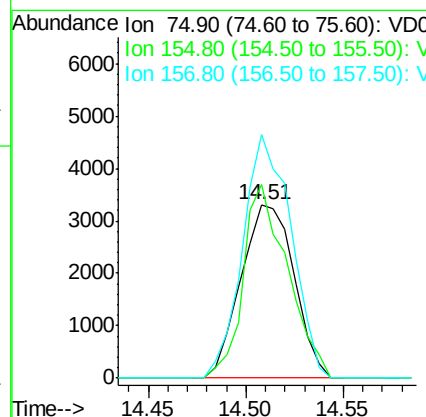
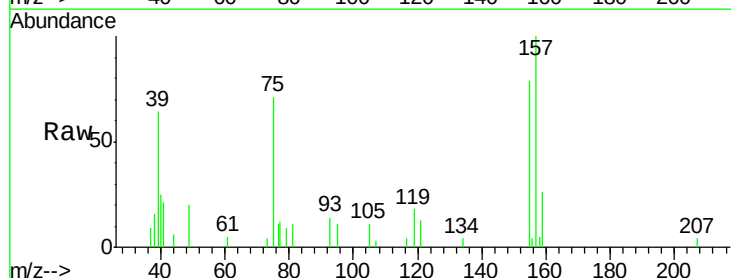
Manual Integrations
 APPROVED

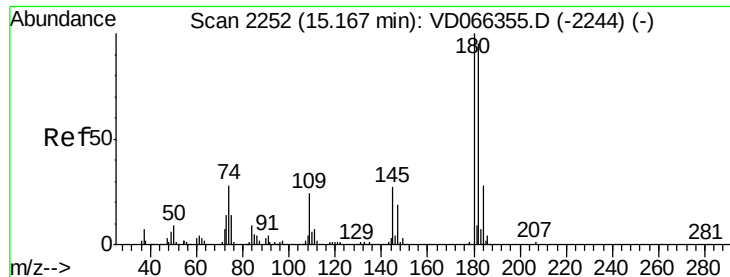
MMDadoda
 8/24/2020 4:37:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.289 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	46.9	140.6
157	128.3	61.0	183.0





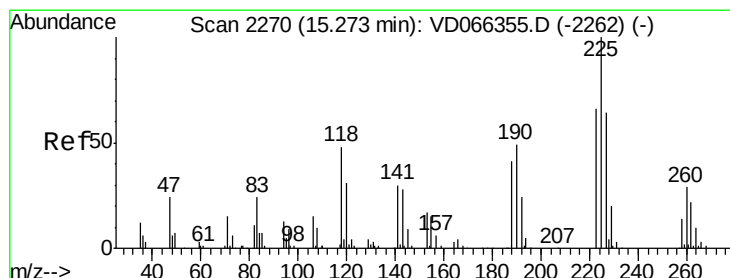
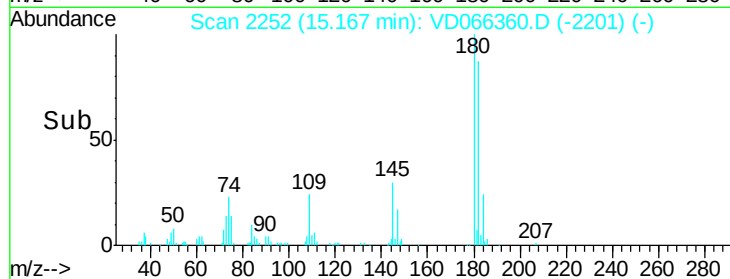
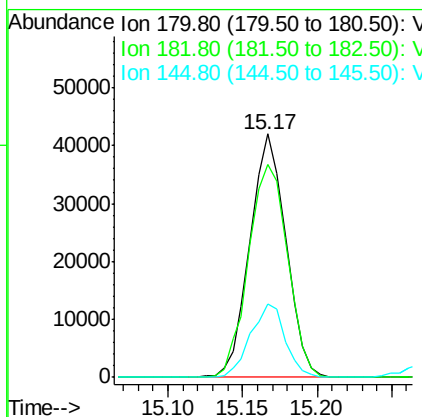
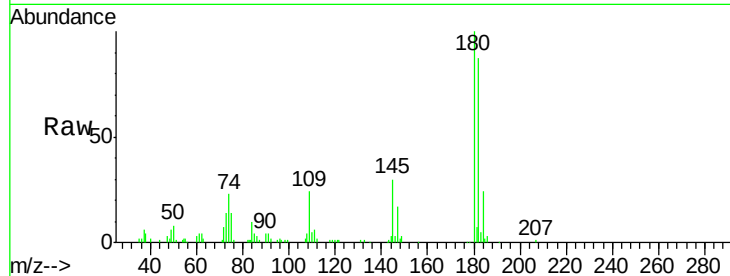
#93
 1,2,4-Trichlorobenzene
 Concen: 19.469 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:	180	Resp:	70244
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.0
145	28.9	15.2	45.6

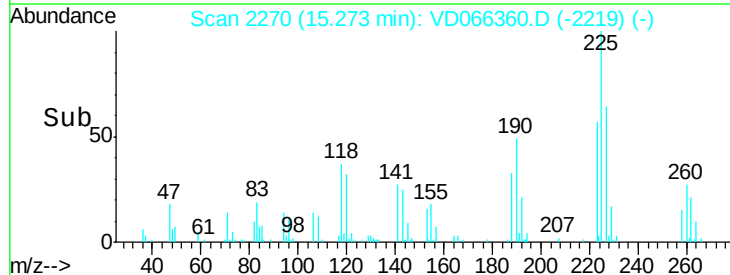
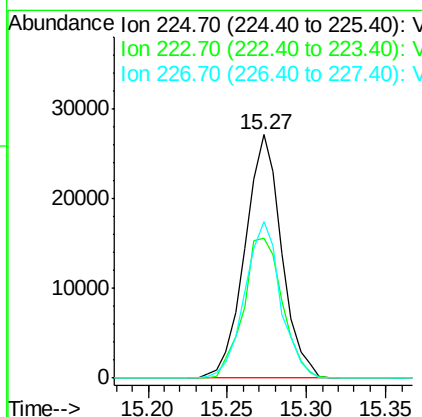
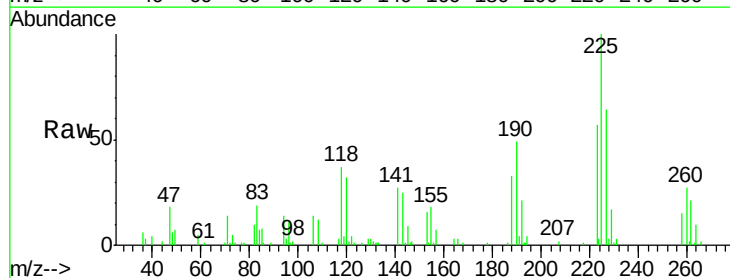
Manual Integrations
 APPROVED

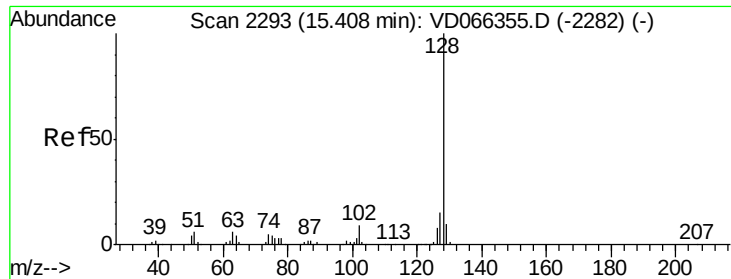
MMDadoda
 8/24/2020 4:37:25 PM



#94
 Hexachlorobutadiene
 Concen: 19.443 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066360.D
 Acq: 21 Aug 2020 15:32

Tgt Ion:	225	Resp:	43595
Ion Ratio	Lower	Upper	
225	100		
223	61.2	32.5	97.4
227	62.8	33.0	98.9





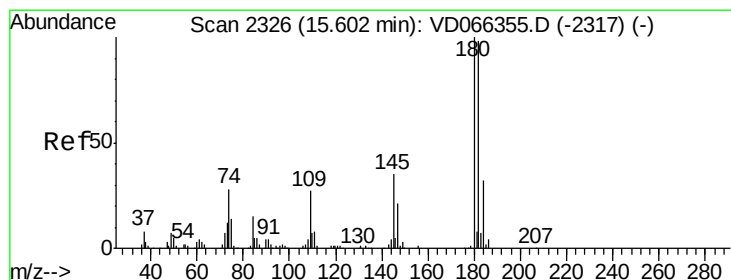
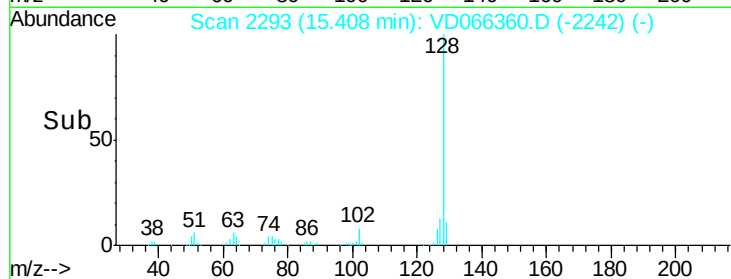
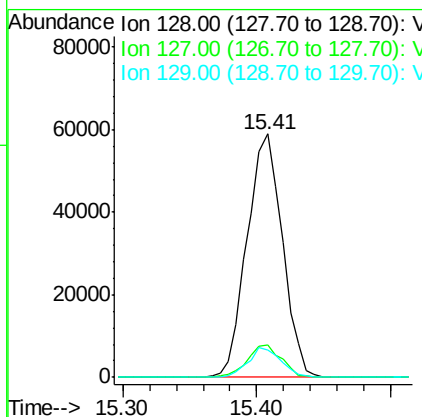
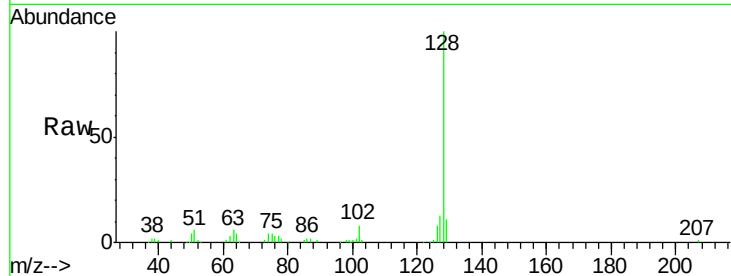
#95
Naphthalene
Concen: 19.092 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.0	10.7	16.1
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.459 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066360.D
Acq: 21 Aug 2020 15:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.9	46.7	140.0
145	31.7	16.0	48.0

