

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066409.D
 Acq On : 25 Aug 2020 18:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 4:23:08 PM

Quant Time: Aug 26 08:49:31 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	195344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	288207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	273089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145327	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	122664	64.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.10%	
35) Dibromofluoromethane	7.91	113	104737	58.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.24%	
50) Toluene-d8	10.33	98	373795	56.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.63	95	139407	59.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	68178	41.053	ug/l	99
3) Chloromethane	2.20	50	53798	45.701	ug/l	100
4) Vinyl Chloride	2.34	62	58645	46.400	ug/l	99
5) Bromomethane	2.76	94	58214	61.578	ug/l	99
6) Chloroethane	2.91	64	38207	47.209	ug/l	96
7) Trichlorofluoromethane	3.27	101	160681	46.752	ug/l	99
8) Diethyl Ether	3.70	74	44415	57.678	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.08	101	75891	44.744	ug/l	99
10) Methyl Iodide	4.30	142	35473	18.337	ug/l	98
11) Tert butyl alcohol	5.23	59	36881	354.258	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	75228	47.250	ug/l	99
13) Acrolein	3.92	56	15767	185.397	ug/l	100
14) Allyl chloride	4.70	41	106786	50.251	ug/l	99
15) Acrylonitrile	5.41	53	87521	283.274	ug/l	99
16) Acetone	4.16	43	76425	221.349	ug/l	97
17) Carbon Disulfide	4.40	76	223858	46.395	ug/l	97
18) Methyl Acetate	4.72	43	37158	57.341	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	225919	58.930	ug/l	95
20) Methylene Chloride	4.96	84	93506	50.778	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	91842	49.556	ug/l	97
22) Diisopropyl ether	6.36	45	217023	52.747	ug/l	96
23) Vinyl Acetate	6.30	43	696960	273.632	ug/l	99
24) 1,1-Dichloroethane	6.26	63	147267	50.650	ug/l	99
25) 2-Butanone	7.21	43	105853	270.056	ug/l	99
26) 2,2-Dichloropropane	7.20	77	139192	44.666	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103158	51.947	ug/l	97
28) Bromochloromethane	7.54	49	61965	61.870	ug/l	96
29) Tetrahydrofuran	7.56	42	64117	287.995	ug/l	94
30) Chloroform	7.70	83	178135	52.953	ug/l	97
31) Cyclohexane	7.97	56	109713	41.258	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	173439	50.375	ug/l	99
36) 1,1-Dichloropropene	8.10	75	122992	46.770	ug/l	98
37) Ethyl Acetate	7.28	43	48166	53.853	ug/l #	90
38) Carbon Tetrachloride	8.09	117	168371	49.144	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066409.D
 Acq On : 25 Aug 2020 18:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 4:23:08 PM

Quant Time: Aug 26 08:49:31 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	136810	44.165	ug/l	97
40) Benzene	8.34	78	346993	50.158	ug/l	95
41) Methacrylonitrile	7.48	41	24616m	44.630	ug/l	
42) 1,2-Dichloroethane	8.41	62	135157	55.472	ug/l	100
43) Isopropyl Acetate	8.44	43	101782	56.697	ug/l	98
44) Trichloroethene	9.11	130	109740	48.819	ug/l	99
45) 1,2-Dichloropropane	9.38	63	78461	50.028	ug/l	93
46) Dibromomethane	9.47	93	53826	55.123	ug/l	100
47) Bromodichloromethane	9.66	83	146295	54.479	ug/l	97
48) Methyl methacrylate	9.45	41	49019	52.952	ug/l	96
49) 1,4-Dioxane	9.46	88	13698	1208.103	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	245898	283.148	ug/l	99
52) Toluene	10.40	92	238436	50.873	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	132270	51.910	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	145623	50.915	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	68734	51.995	ug/l	93
56) Ethyl methacrylate	10.66	69	87459	57.152	ug/l	94
57) 1,3-Dichloropropane	10.94	76	118433	54.163	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	194459	305.960	ug/l	97
59) 2-Hexanone	10.98	43	172235	281.168	ug/l	99
60) Dibromochloromethane	11.14	129	109674	55.041	ug/l	97
61) 1,2-Dibromoethane	11.24	107	70353	54.080	ug/l	97
64) Tetrachloroethene	10.87	164	99803	48.176	ug/l	94
65) Chlorobenzene	11.67	112	267265	49.192	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	112778	50.793	ug/l	99
67) Ethyl Benzene	11.74	91	467787	48.913	ug/l	95
68) m/p-Xylenes	11.85	106	351232	96.354	ug/l	95
69) o-Xylene	12.18	106	169761	50.060	ug/l	99
70) Styrene	12.20	104	295246	50.705	ug/l	98
71) Bromoform	12.36	173	69011	54.784	ug/l #	98
73) Isopropylbenzene	12.48	105	462973	47.556	ug/l	98
74) N-amyl acetate	12.29	43	93280	53.051	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	72069	51.821	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	48212m	47.157	ug/l	
77) Bromobenzene	12.76	156	122440	49.552	ug/l	97
78) n-propylbenzene	12.82	91	510912	45.770	ug/l	100
79) 2-Chlorotoluene	12.91	91	308130	48.331	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	397127	47.245	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23900	49.621	ug/l	98
82) 4-Chlorotoluene	13.00	91	326497	48.337	ug/l	99
83) tert-Butylbenzene	13.23	119	343281	47.018	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	398956	48.323	ug/l	100
85) sec-Butylbenzene	13.40	105	435748	45.553	ug/l	100
86) p-Isopropyltoluene	13.52	119	434283	47.083	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	225601	48.911	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	225517	48.695	ug/l	99
89) n-Butylbenzene	13.84	91	364119	44.735	ug/l	99
90) Hexachloroethane	14.11	117	83585	45.874	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	200442	50.480	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15590	53.448	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
Data File : VD066409.D
Acq On : 25 Aug 2020 18:25
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

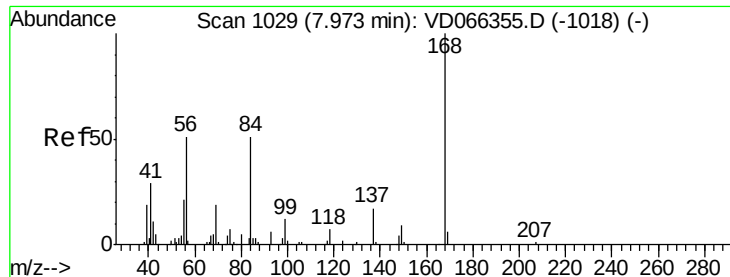
Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM

Quant Time: Aug 26 08:49:31 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)
93) 1,2,4-Trichlorobenzene	15.17	180	156700	50.550	ug/l	99
94) Hexachlorobutadiene	15.27	225	92076	47.797	ug/l	95
95) Naphthalene	15.41	128	272577	55.985	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	136383	51.359	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 195344

Ion Ratio Lower Upper

168 100

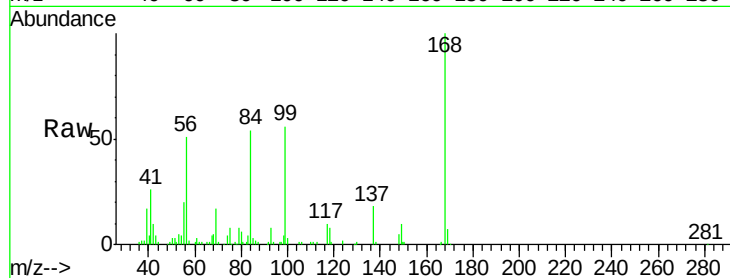
99 56.0 45.4 68.0

Manual Integrations

APPROVED

MMDadoda

8/26/2020 4:23:08 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

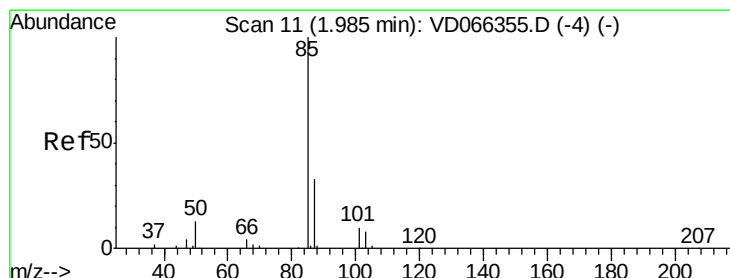
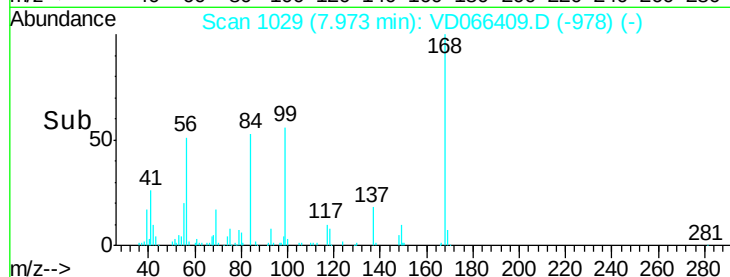
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.053 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066409.D

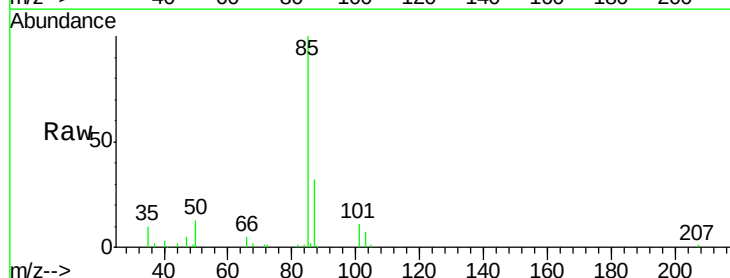
Acq: 25 Aug 2020 18:25

Tgt Ion: 85 Resp: 68178

Ion Ratio Lower Upper

85 100

87 32.4 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

50000

40000

30000

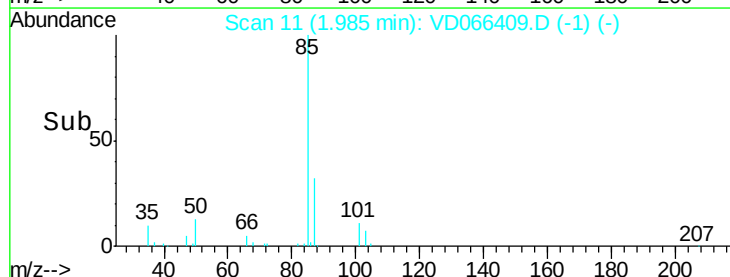
20000

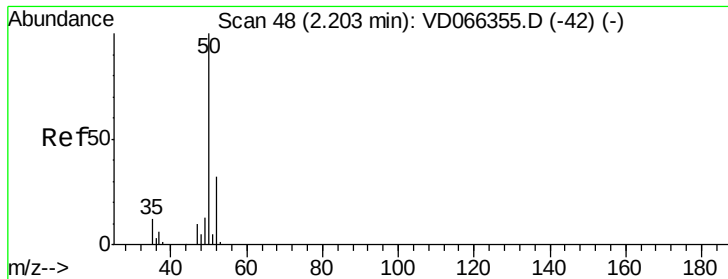
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 45.701 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 53798

Ion Ratio Lower Upper

50 100

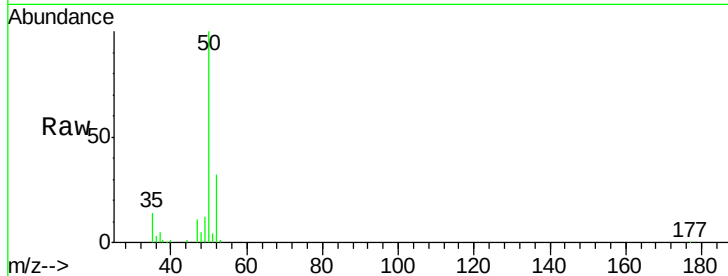
52 31.9 25.7 38.5

Manual Integrations

APPROVED

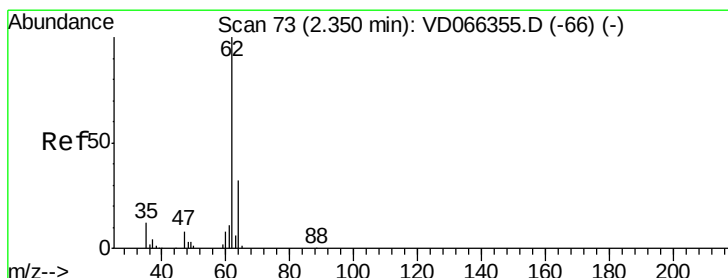
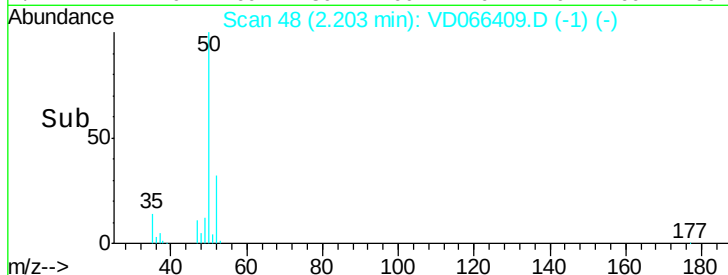
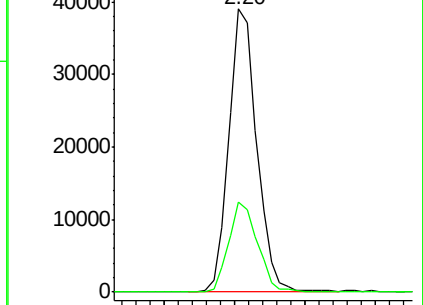
MMDadoda

8/26/2020 4:23:08 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.400 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066409.D

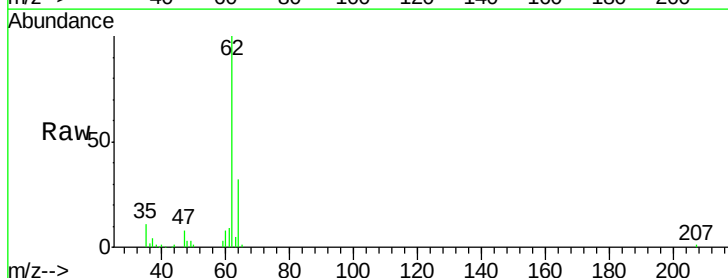
Acq: 25 Aug 2020 18:25

Tgt Ion: 62 Resp: 58645

Ion Ratio Lower Upper

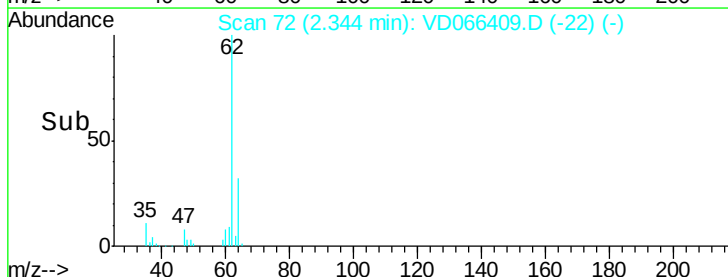
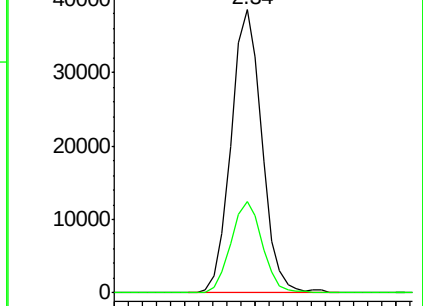
62 100

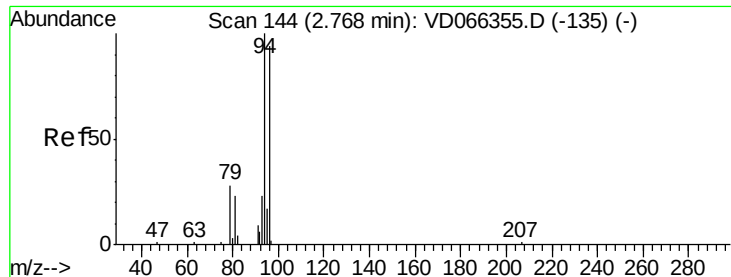
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 61.578 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58214

Ion Ratio Lower Upper

94 100

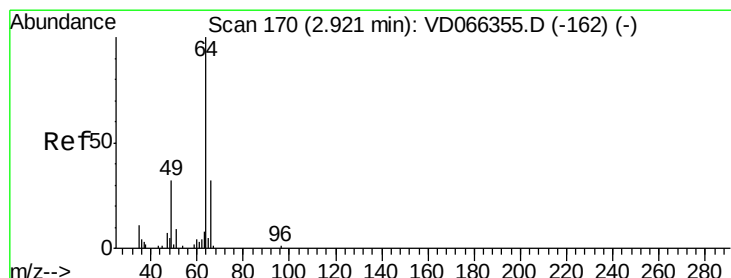
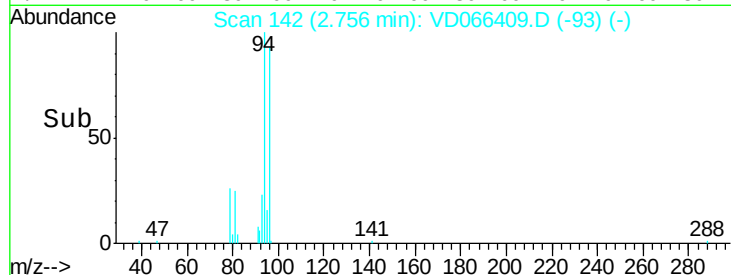
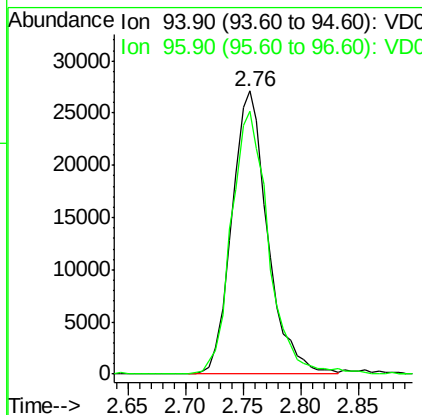
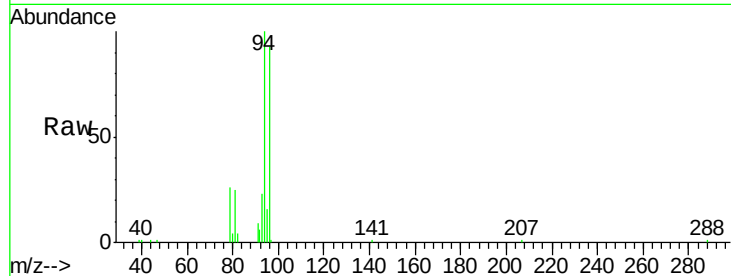
96 93.1 75.0 112.4

Manual Integrations

APPROVED

MMDadoda

8/26/2020 4:23:08 PM



#6

Chloroethane

Concen: 47.209 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066409.D

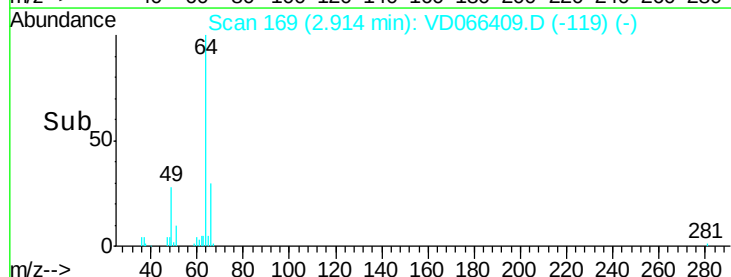
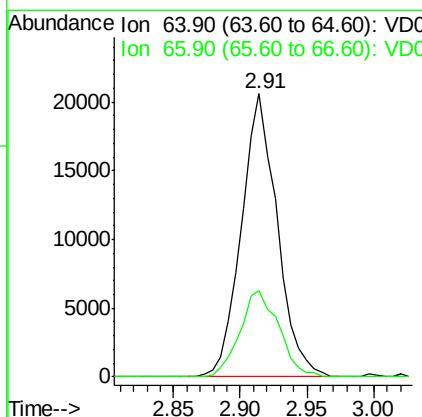
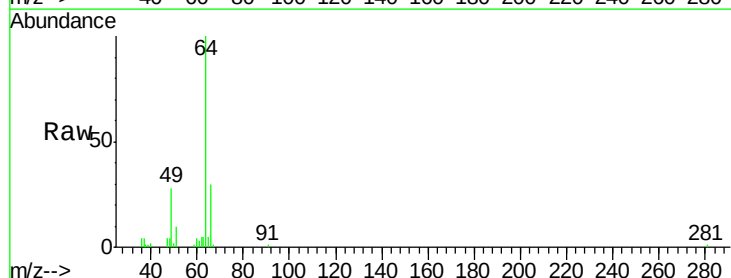
Acq: 25 Aug 2020 18:25

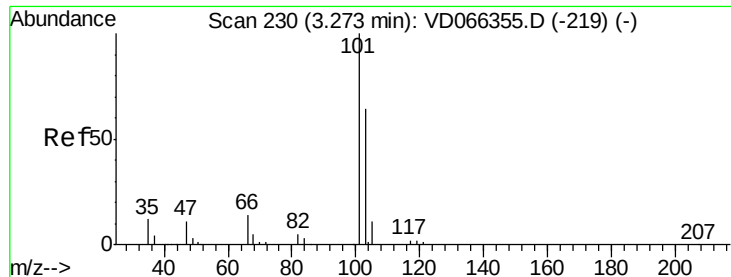
Tgt Ion: 64 Resp: 38207

Ion Ratio Lower Upper

64 100

66 30.4 25.9 38.9





#7

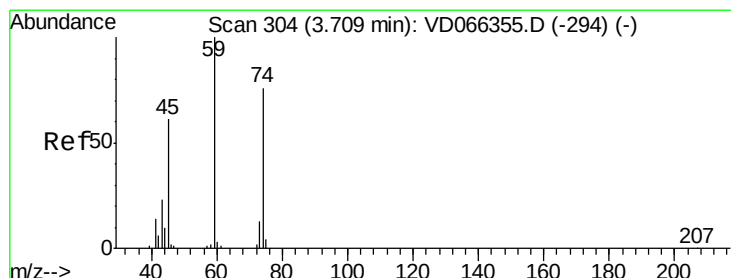
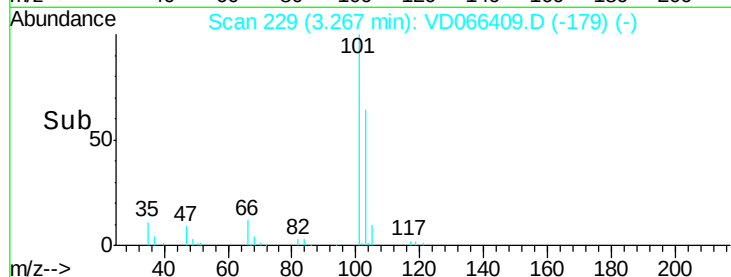
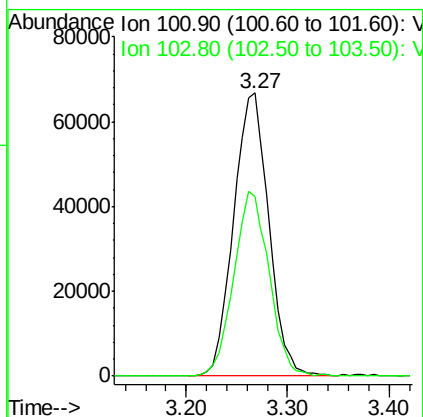
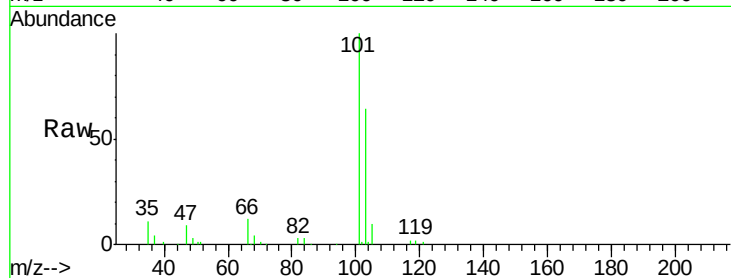
Trichlorofluoromethane
Concen: 46.752 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	160681		
103	63.7	51.4	77.0	

Manual Integrations
APPROVED

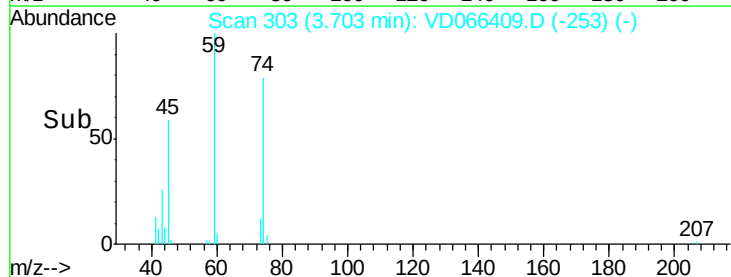
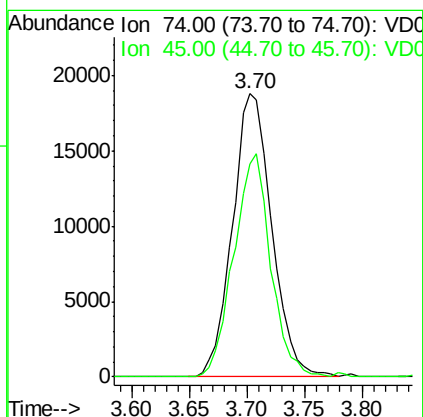
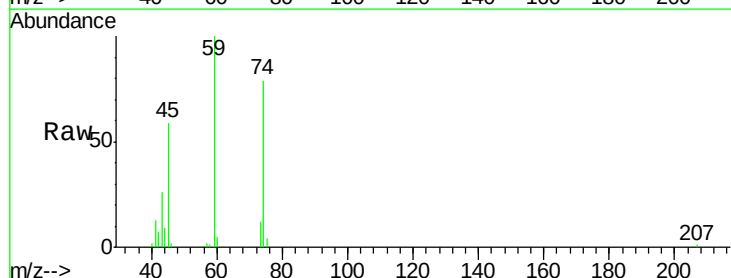
MMDadoda
8/26/2020 4:23:08 PM

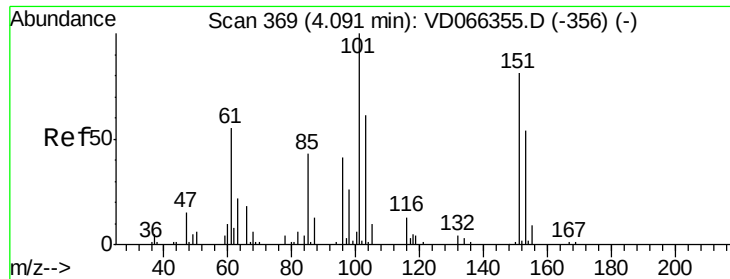


#8

Diethyl Ether
Concen: 57.678 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44415		
45	74.0	42.8	128.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.744 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

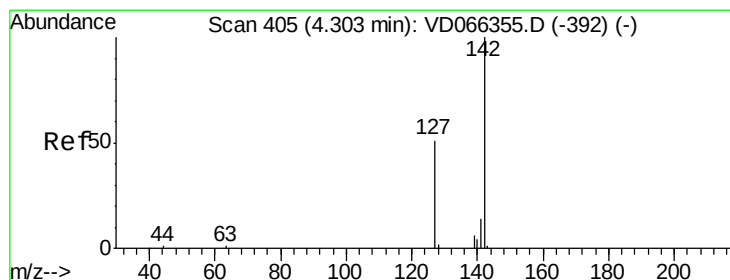
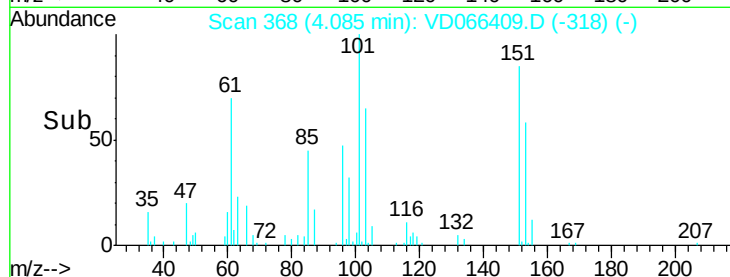
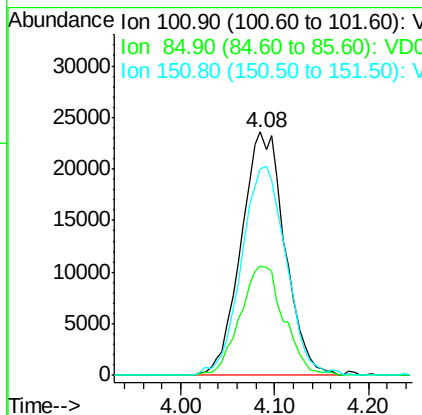
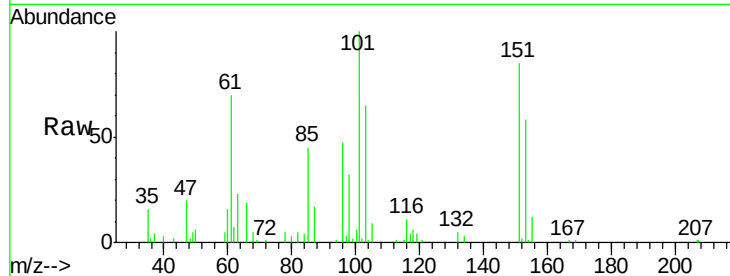
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	75891
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.4	54.6
151	87.5	70.5	105.7

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM



#10

Methyl Iodide

Concen: 18.337 ug/l

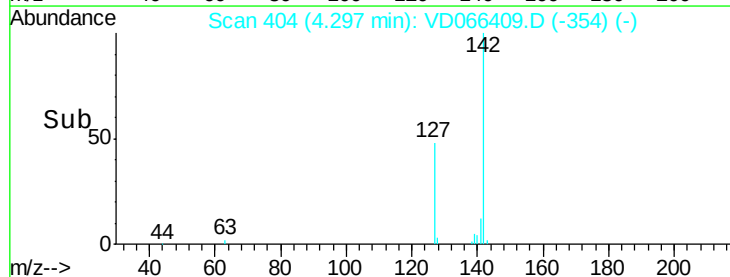
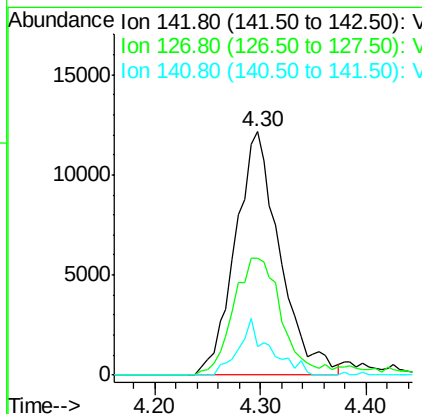
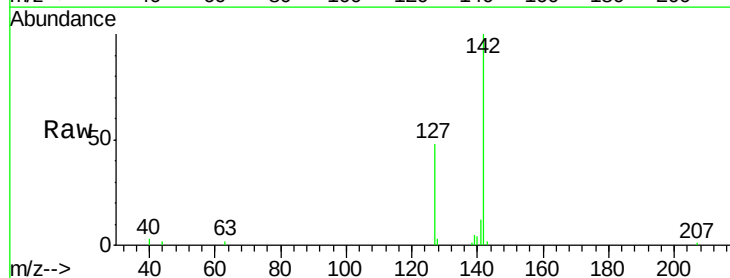
RT: 4.30 min Scan# 404

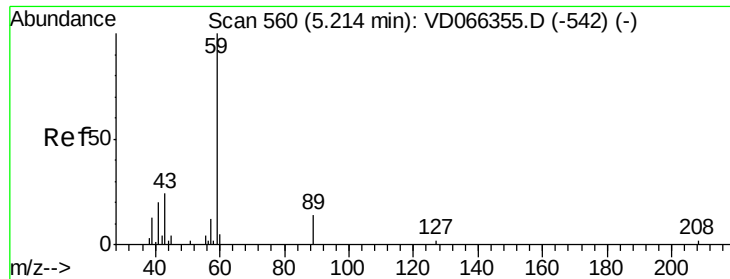
Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion:	142	Resp:	35473
Ion Ratio	Lower	Upper	
142	100		
127	51.1	41.8	62.8
141	16.0	11.8	17.6





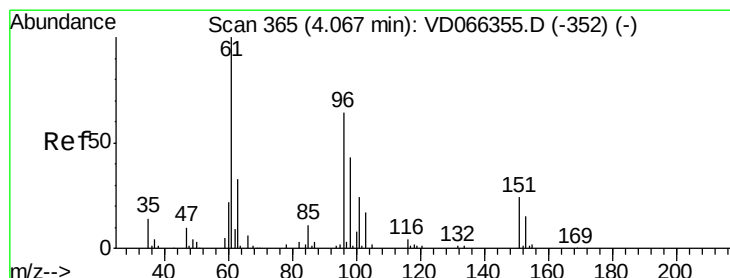
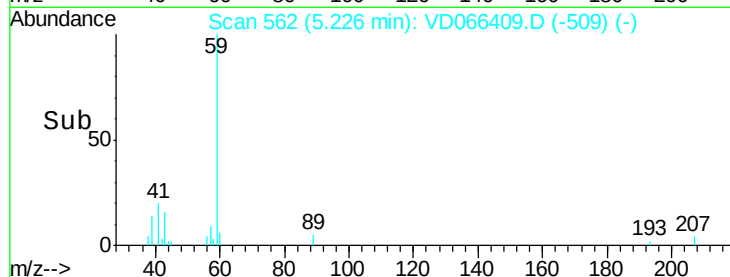
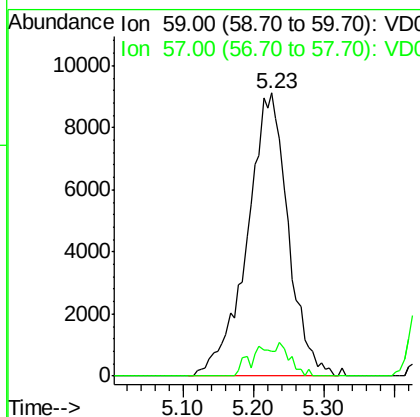
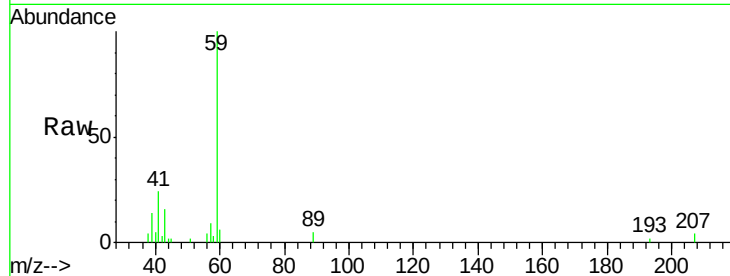
#11
Tert butyl alcohol
Concen: 354.258 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	36881		
57	0.0	9.0	13.4#	

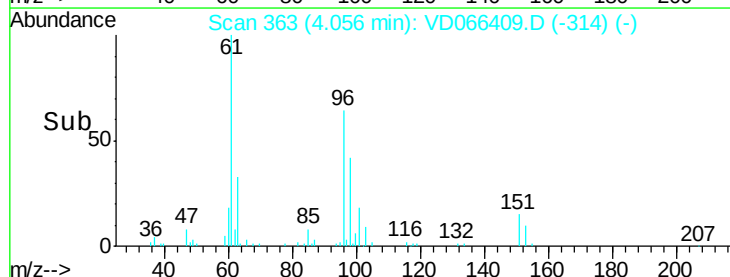
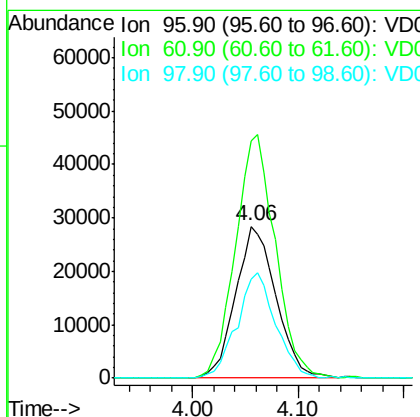
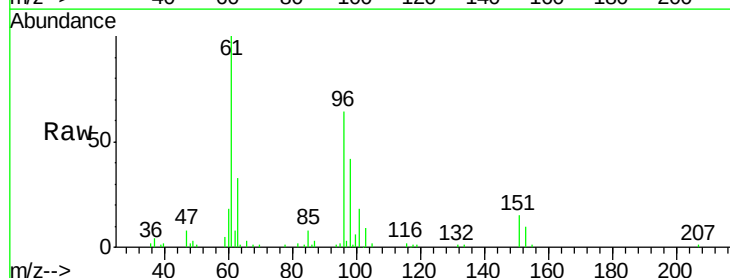
Manual Integrations
APPROVED

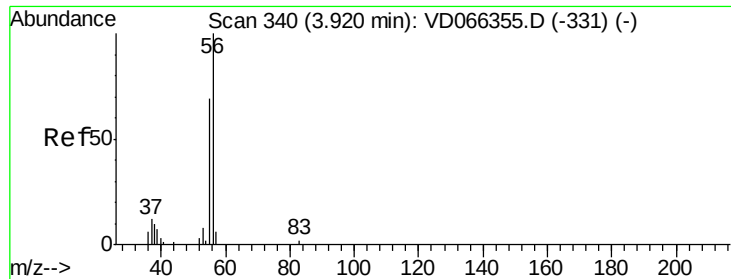
MMDadoda
8/26/2020 4:23:08 PM



#12
1,1-Dichloroethene
Concen: 47.250 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	75228		
61	156.8	124.3	186.5	
98	65.1	53.2	79.8	





#13

Acrolein

Concen: 185.397 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 15767

Ion Ratio Lower Upper

56 100

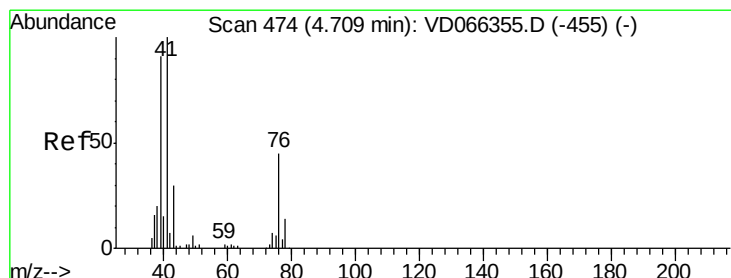
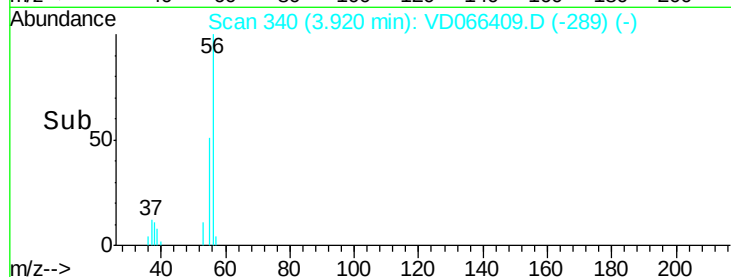
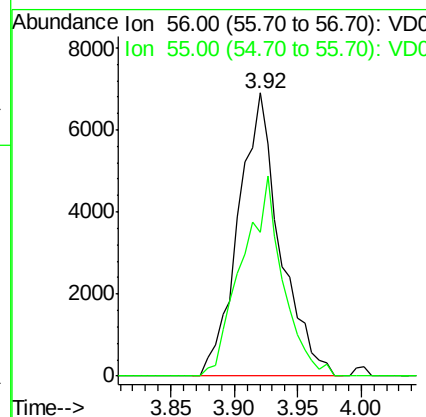
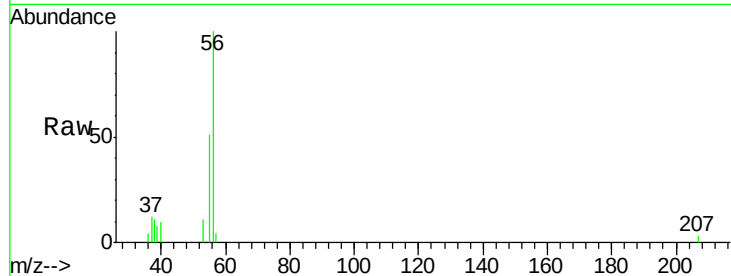
55 69.3 55.5 83.3

Manual Integrations

APPROVED

MMDadoda

8/26/2020 4:23:08 PM



#14

Allyl chloride

Concen: 50.251 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

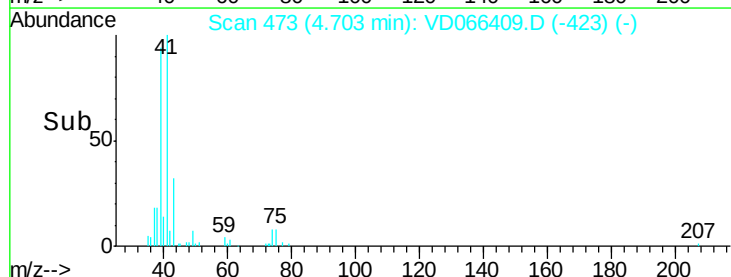
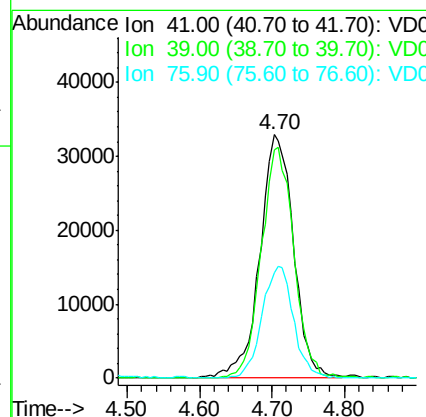
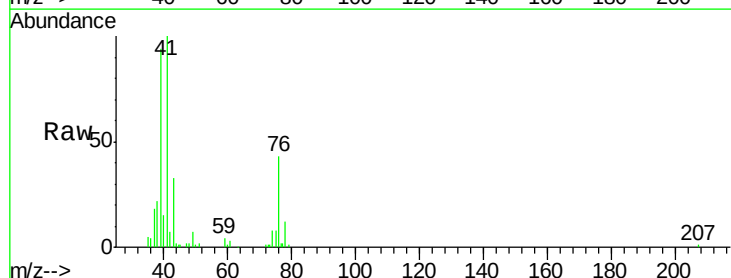
Tgt Ion: 41 Resp: 106786

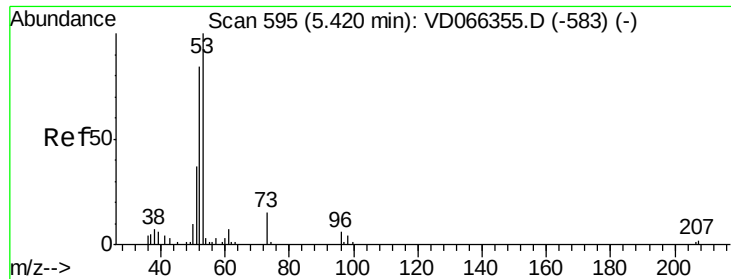
Ion Ratio Lower Upper

41 100

39 91.9 72.8 109.2

76 42.9 34.0 51.0





#15

Acrylonitrile

Concen: 283.274 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

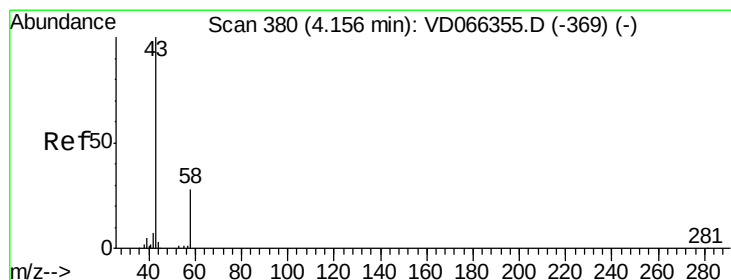
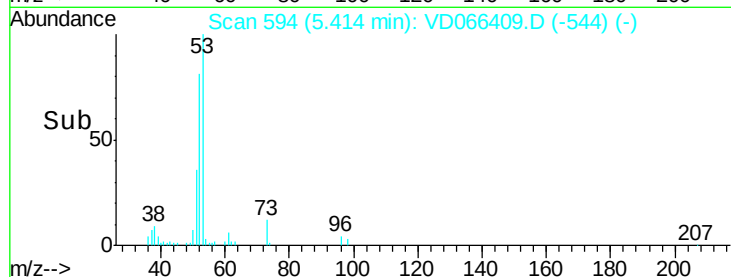
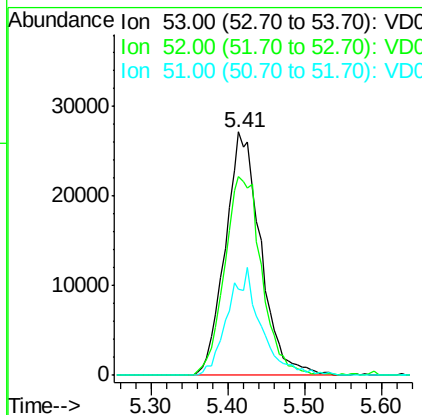
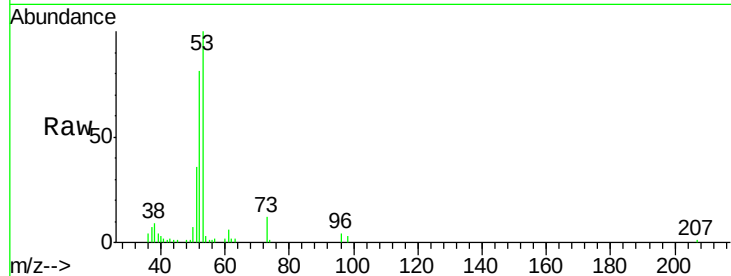
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	87521
Ion Ratio	Lower	Upper	
53	100		
52	84.9	68.1	102.1
51	41.4	33.8	50.6

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM



#16

Acetone

Concen: 221.349 ug/l

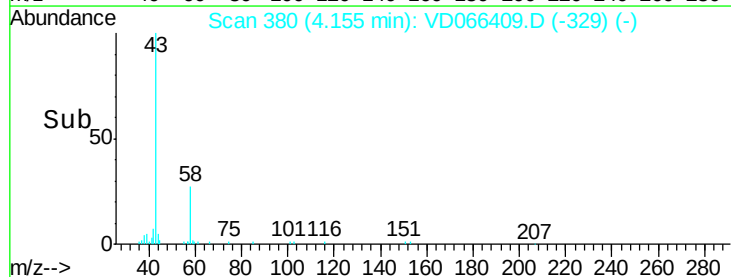
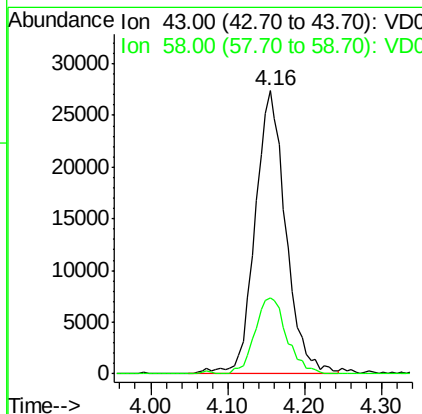
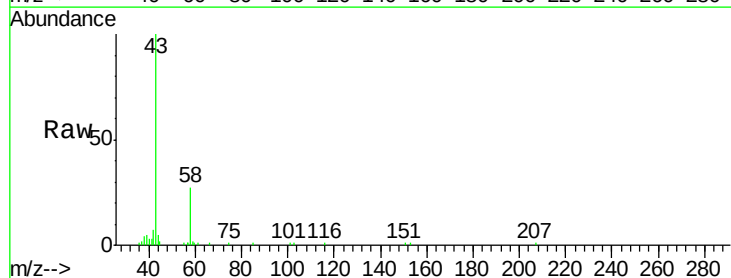
RT: 4.16 min Scan# 380

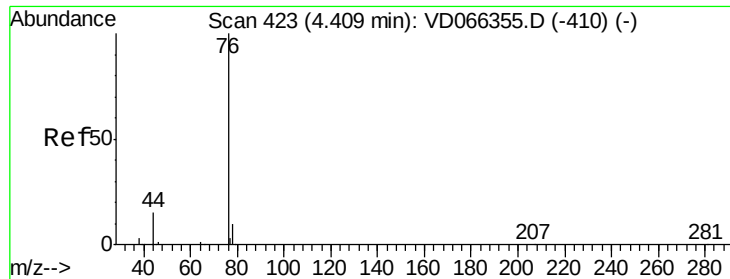
Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion:	43	Resp:	76425
Ion Ratio	Lower	Upper	
43	100		
58	26.9	22.7	34.1





#17

Carbon Disulfide

Concen: 46.395 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 223858

Ion Ratio Lower Upper

76 100

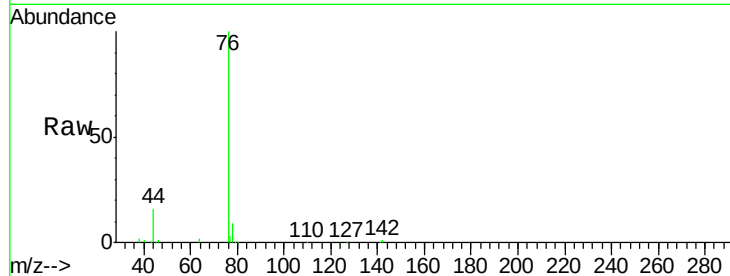
78 8.5 7.7 11.5

Manual Integrations

APPROVED

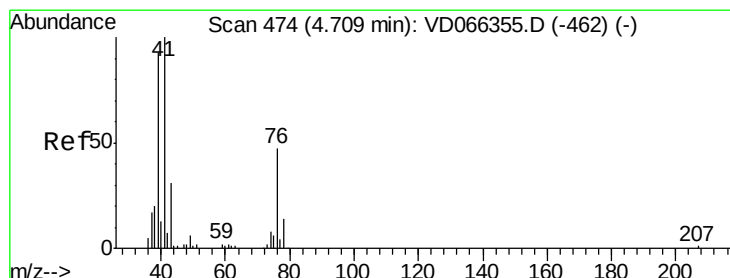
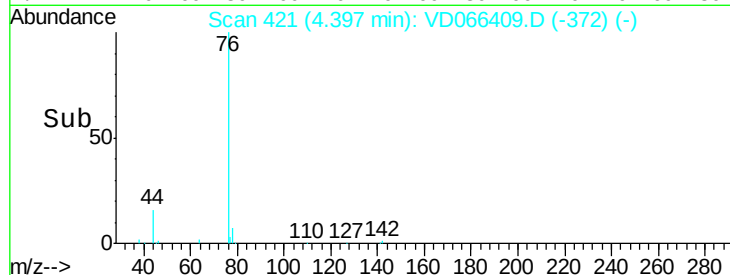
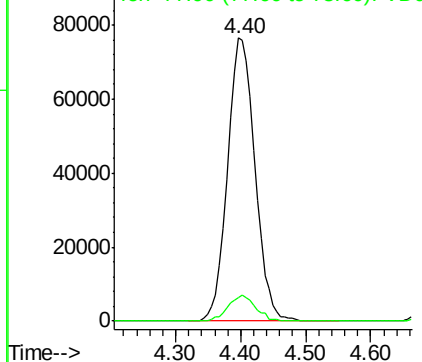
MMDadoda

8/26/2020 4:23:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 57.341 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066409.D

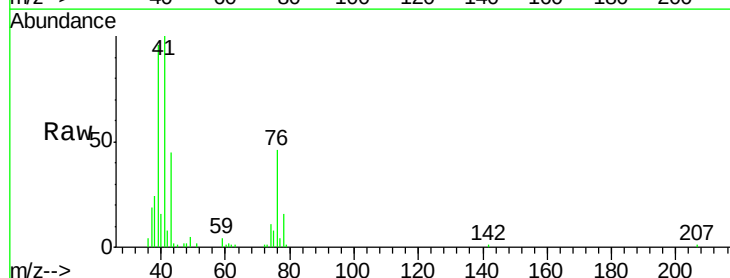
Acq: 25 Aug 2020 18:25

Tgt Ion: 43 Resp: 37158

Ion Ratio Lower Upper

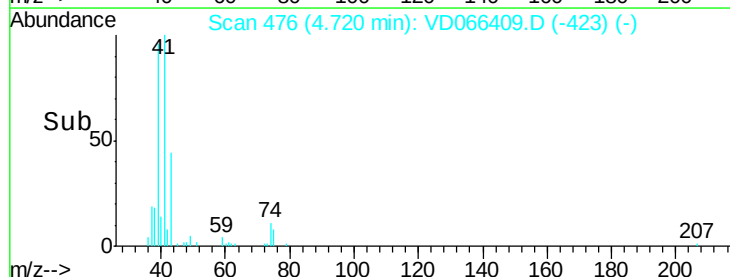
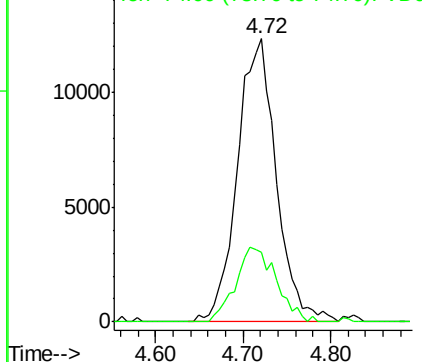
43 100

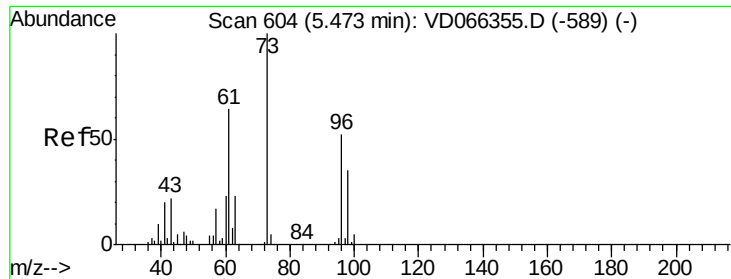
74 27.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





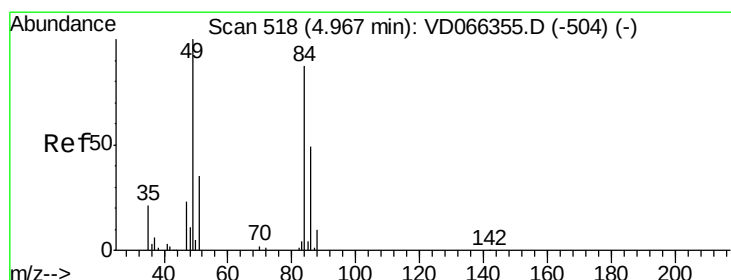
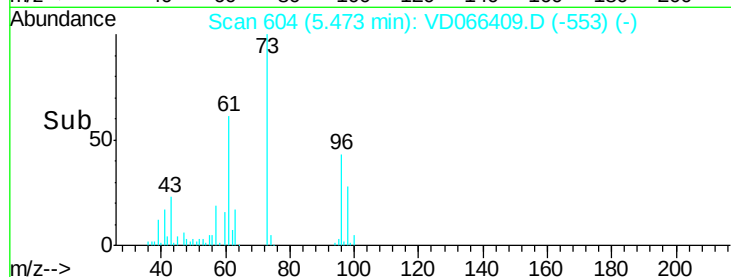
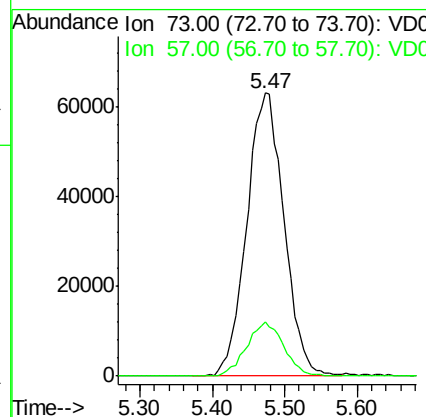
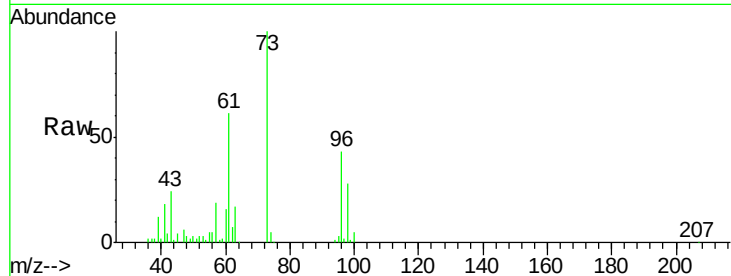
#19
Methyl tert-butyl Ether
Concen: 58.930 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 225919
Ion Ratio Lower Upper
73 100
57 19.2 13.8 20.6

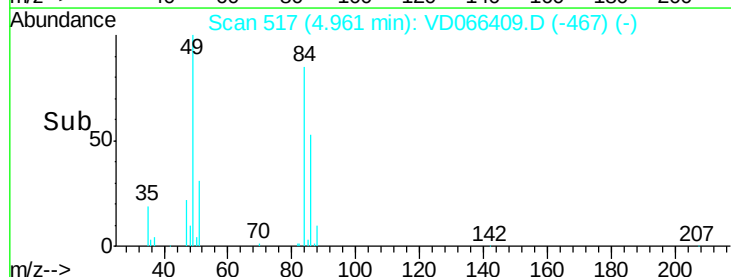
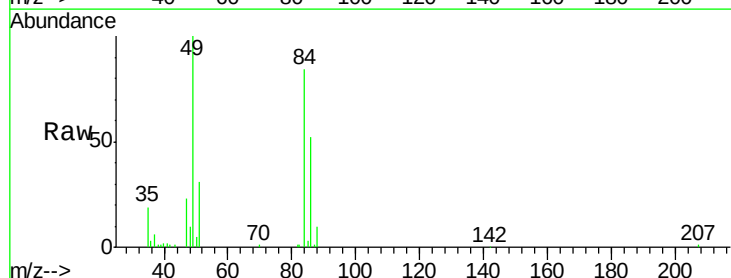
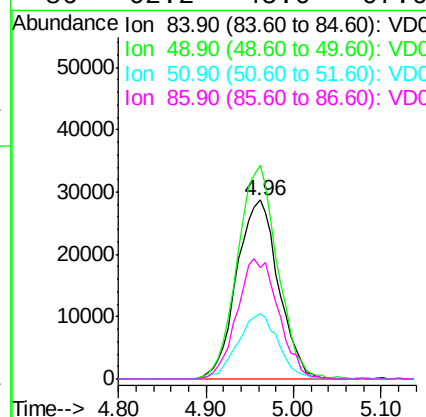
Manual Integrations
APPROVED

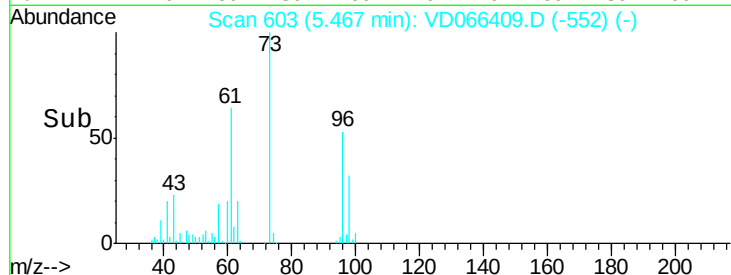
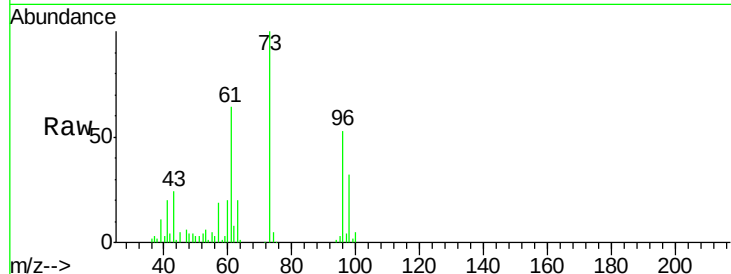
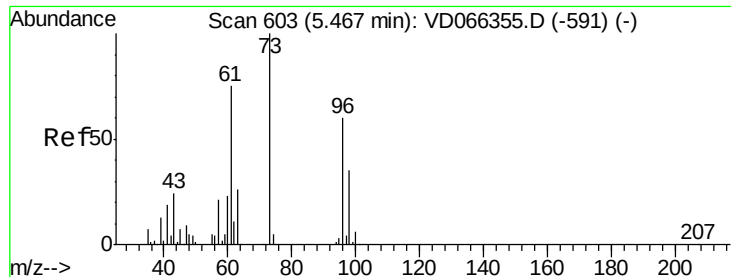
MMDadoda
8/26/2020 4:23:08 PM



#20
Methylene Chloride
Concen: 50.778 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 84 Resp: 93506
Ion Ratio Lower Upper
84 100
49 119.3 92.5 138.7
51 36.5 32.5 48.7
86 62.2 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 49.556 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066409.D

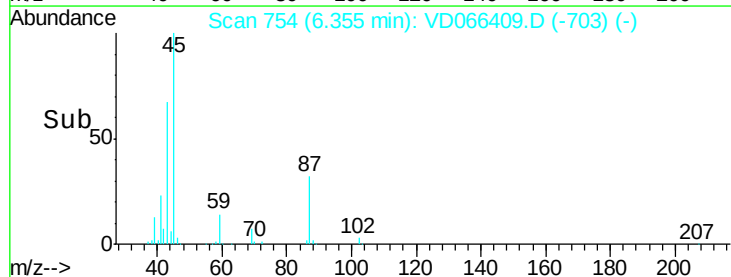
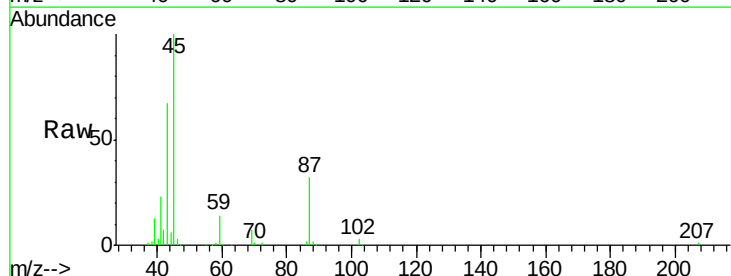
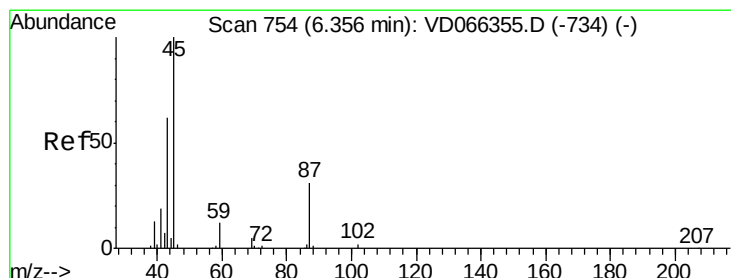
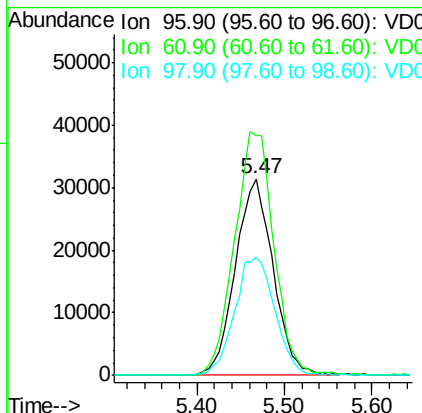
Acq: 25 Aug 2020 18:25

Tot Ion:	96	Resp:	91842
Ion	Ratio	Lower	Upper
96	100		
61	122.1	101.1	151.7
98	60.4	47.0	70.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM



#22

Diisopropyl ether

Concen: 52.747 ug/l

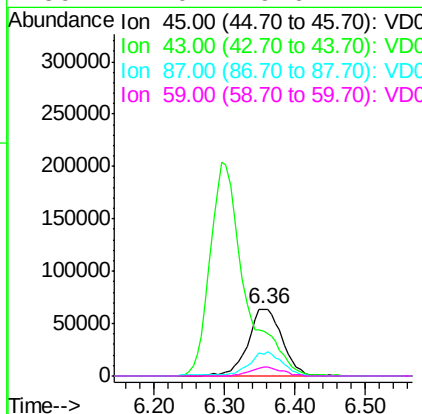
RT: 6.36 min Scan# 754

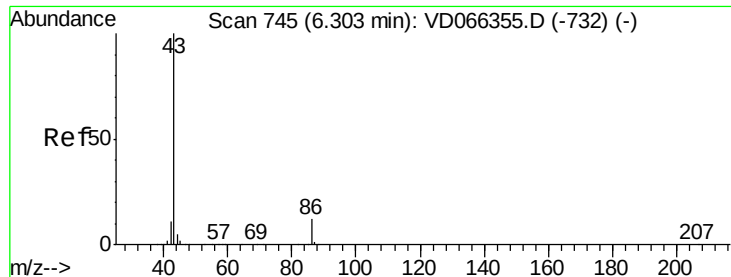
Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion:	45	Resp:	217023
Ion	Ratio	Lower	Upper
45	100		
43	65.8	49.8	74.8
87	32.0	25.0	37.6
59	14.0	9.6	14.4





#23

Vinyl Acetate

Concen: 273.632 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 696960

Ion Ratio Lower Upper

43 100

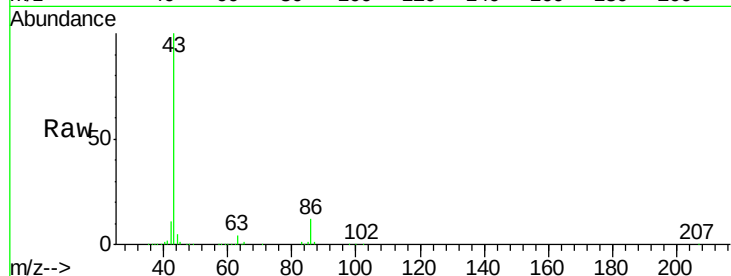
86 12.2 9.4 14.0

Manual Integrations

APPROVED

MMDadoda

8/26/2020 4:23:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

200000

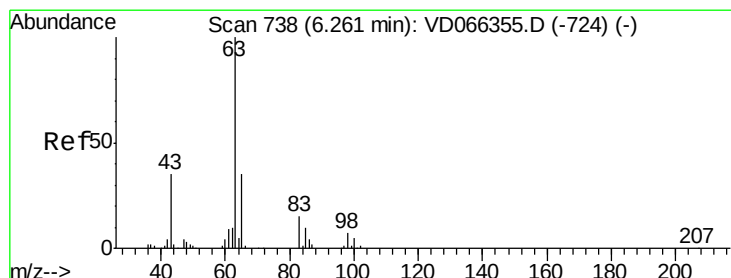
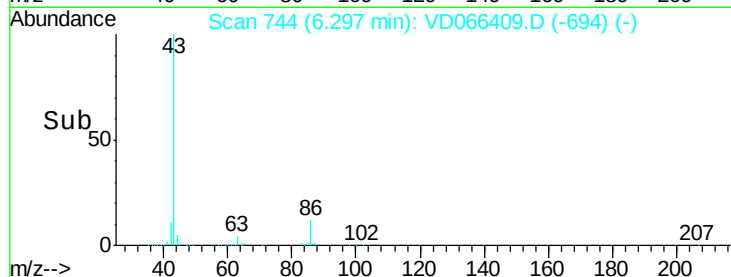
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.650 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

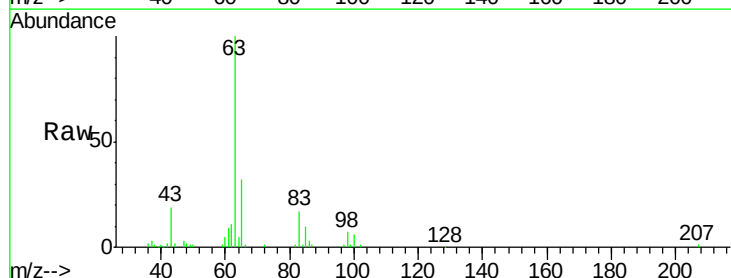
Tgt Ion: 63 Resp: 147267

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.6

100 5.8 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

50000

40000

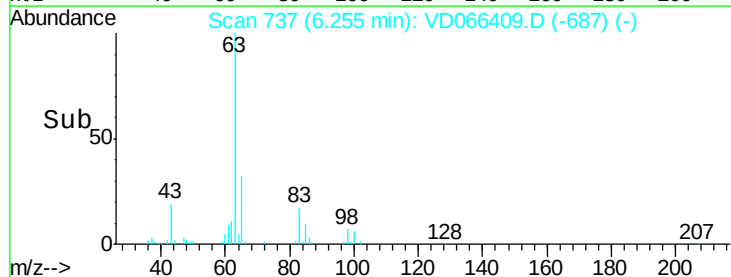
30000

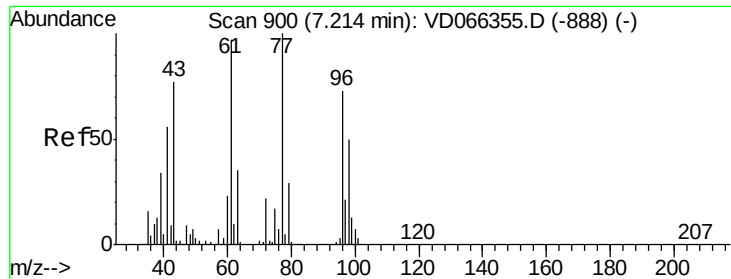
20000

10000

0

Time-->





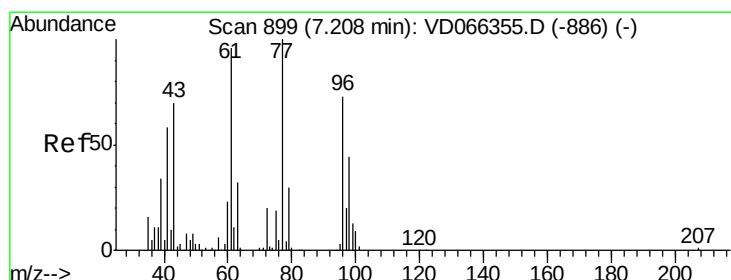
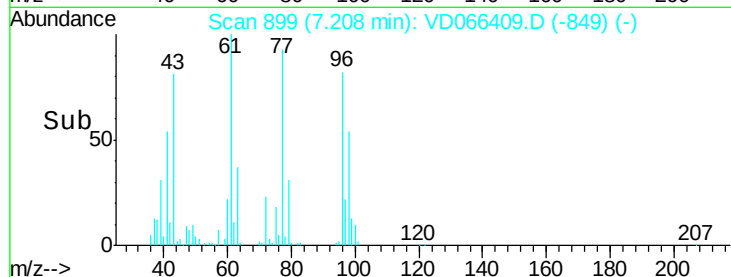
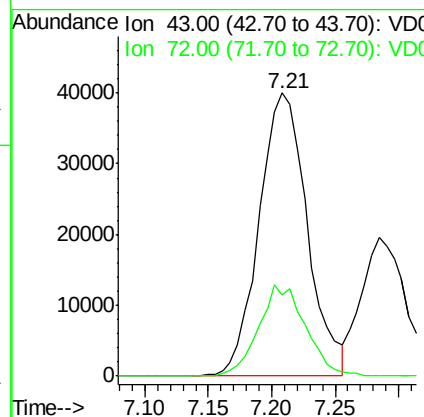
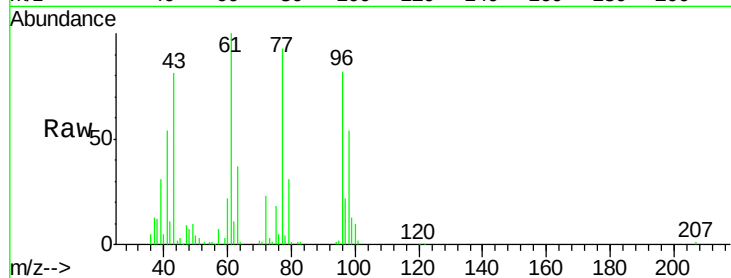
#25
2-Butanone
Concen: 270.056 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 105853
Ion Ratio Lower Upper
43 100
72 28.5 22.5 33.7

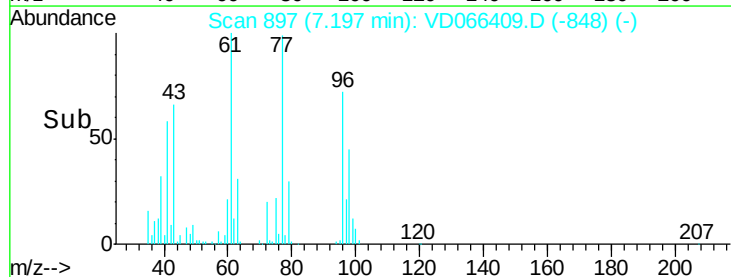
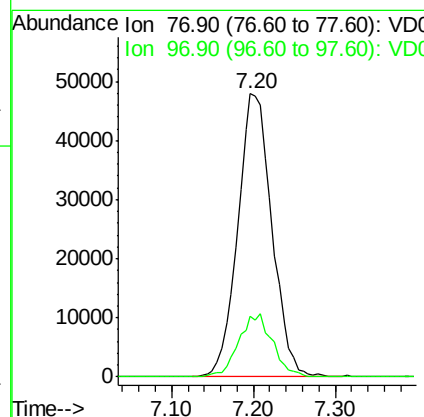
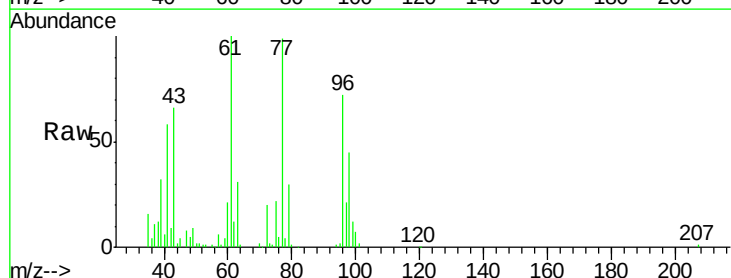
Manual Integrations
APPROVED

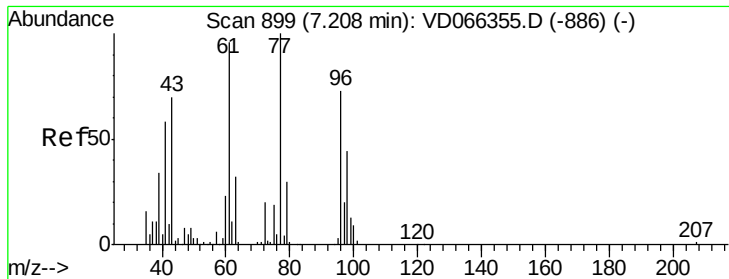
MMDadoda
8/26/2020 4:23:08 PM



#26
2,2-Dichloropropane
Concen: 44.666 ug/l
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 77 Resp: 139192
Ion Ratio Lower Upper
77 100
97 21.9 10.7 31.9





#27

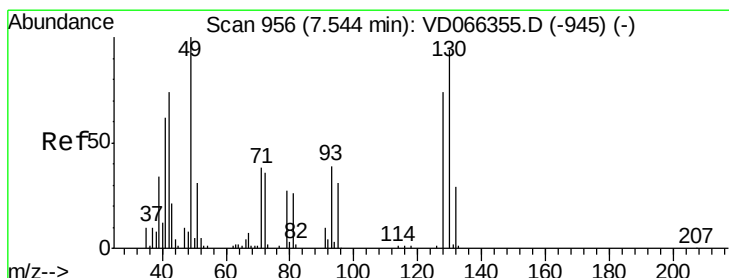
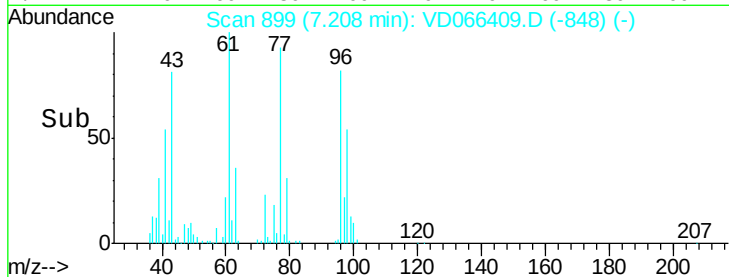
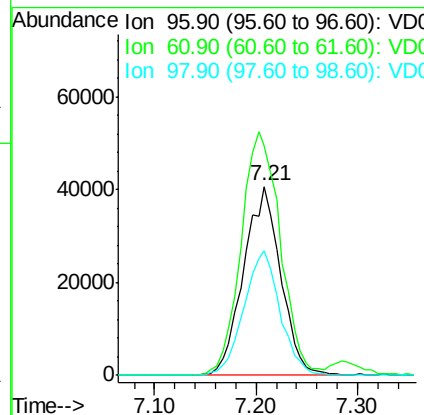
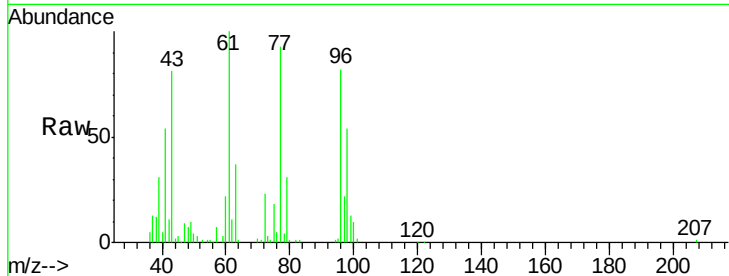
cis-1,2-Dichloroethene
 Concen: 51.947 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.6	0.0	281.4	
98	64.2	0.0	132.2	

Manual Integrations
 APPROVED

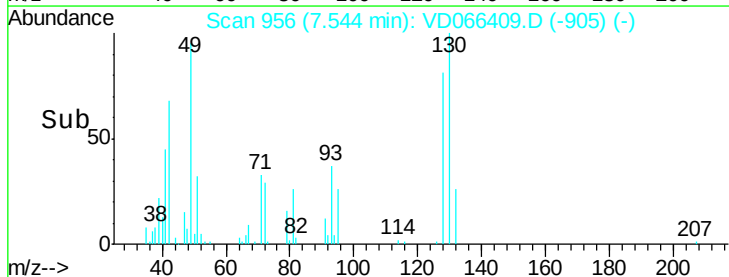
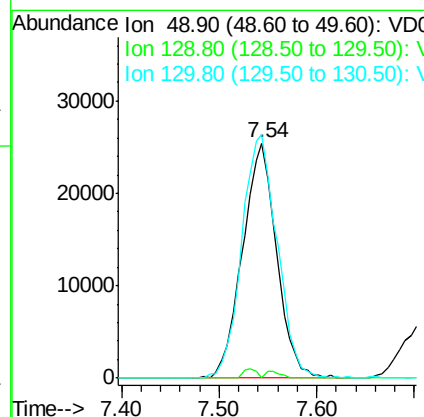
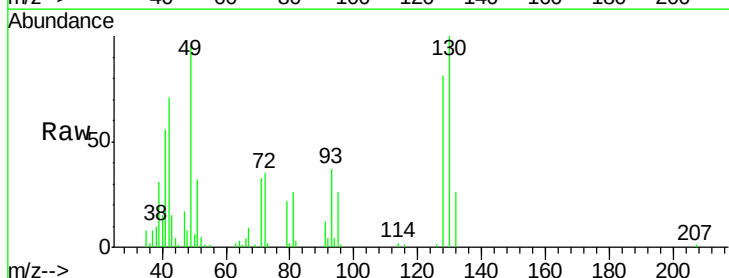
MMDadoda
 8/26/2020 4:23:08 PM

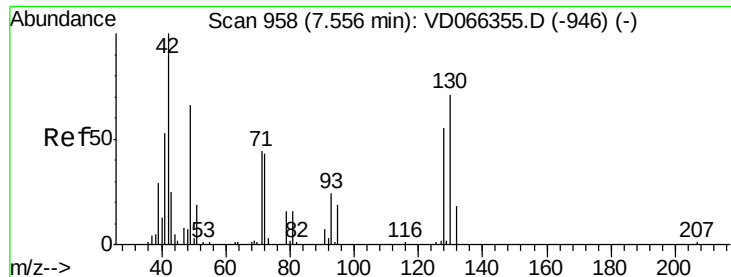


#28

Bromochloromethane
 Concen: 61.870 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.0	
130	107.7	82.6	124.0	





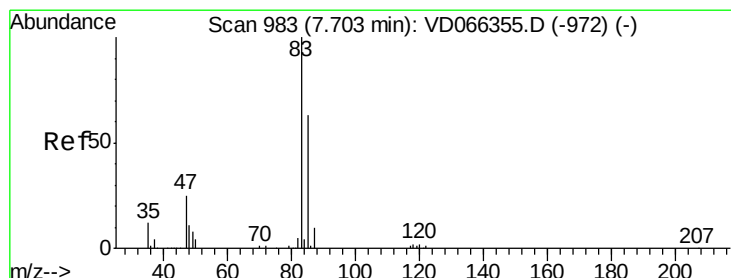
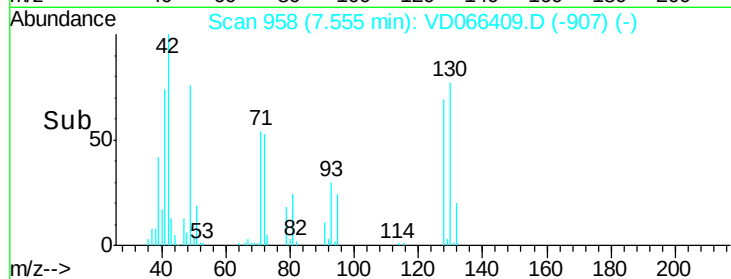
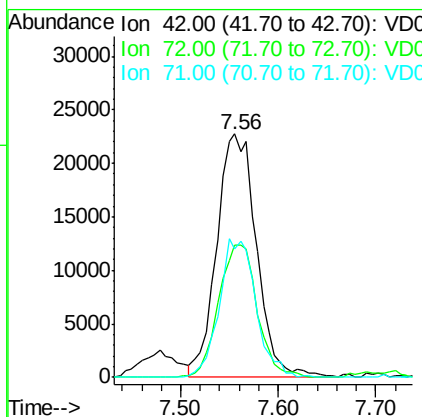
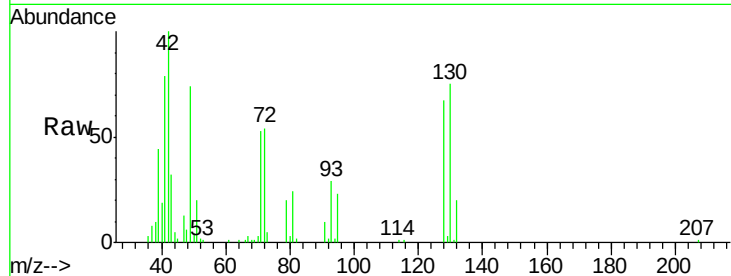
#29
Tetrahydrofuran
Concen: 287.995 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.1	41.0	61.4
71	52.4	37.2	55.8

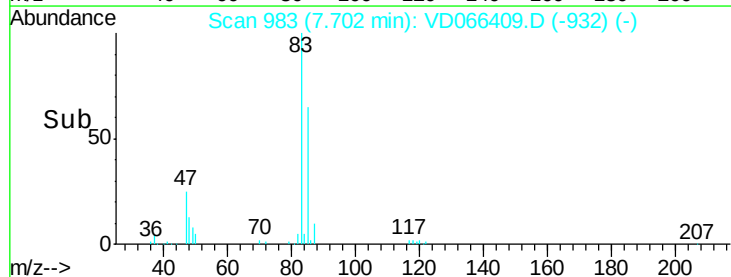
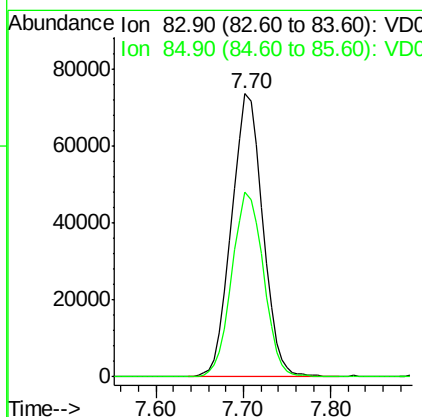
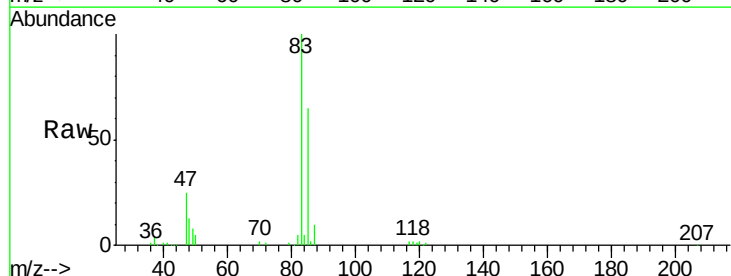
Manual Integrations
APPROVED

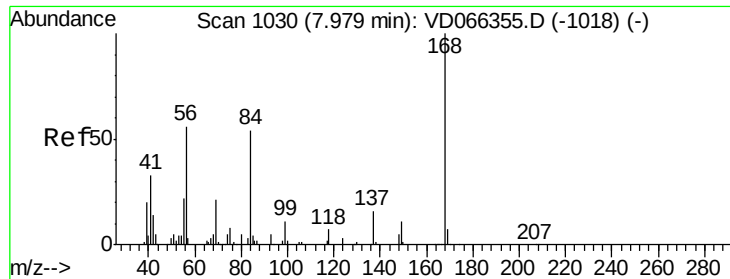
MMDadoda
8/26/2020 4:23:08 PM



#30
Chloroform
Concen: 52.953 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.3	75.5





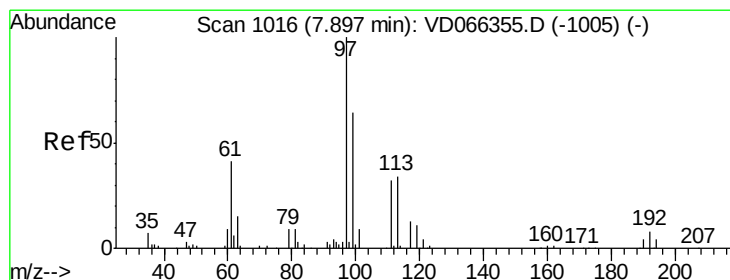
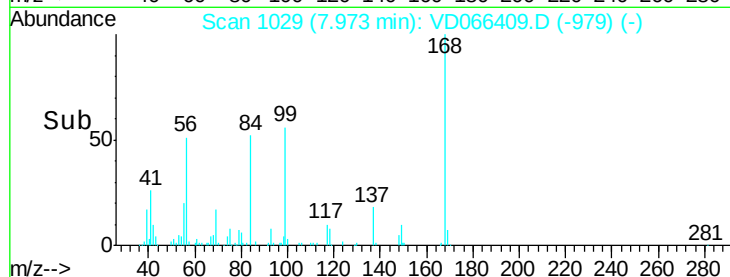
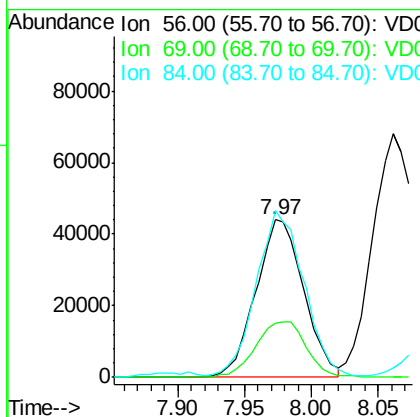
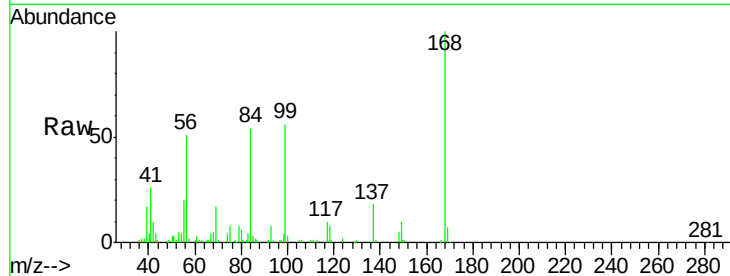
#31
Cyclohexane
Concen: 41.258 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
69	34.0	29.6	44.4		
84	102.6	76.6	115.0		

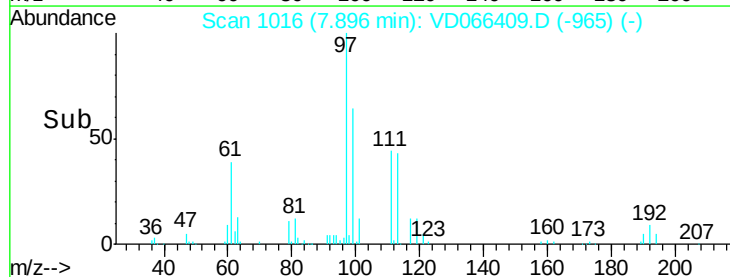
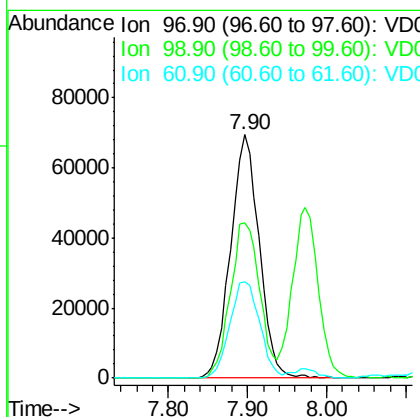
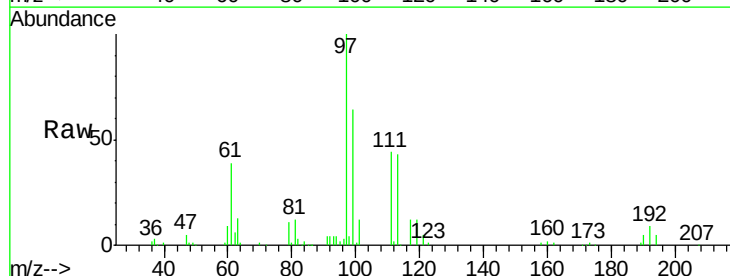
Manual Integrations
APPROVED

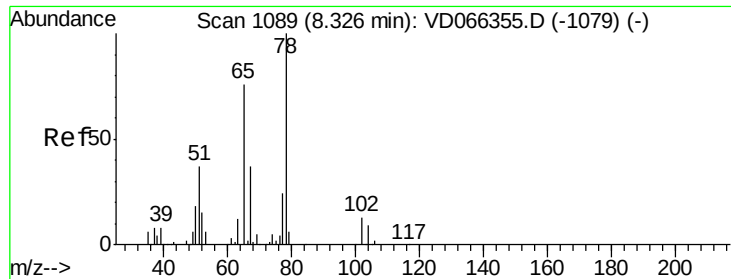
MMDadoda
8/26/2020 4:23:08 PM



#32
1,1,1-Trichloroethane
Concen: 50.375 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
99	66.2	51.5	77.3		
61	41.4	33.3	49.9		





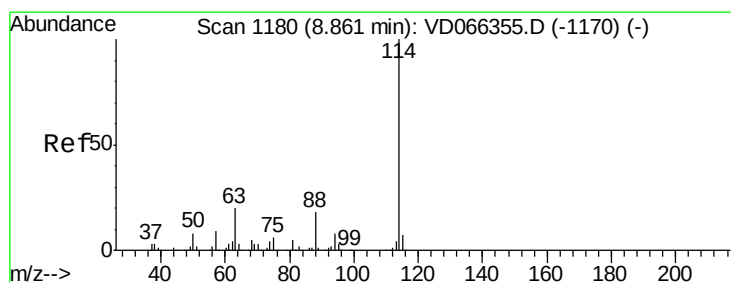
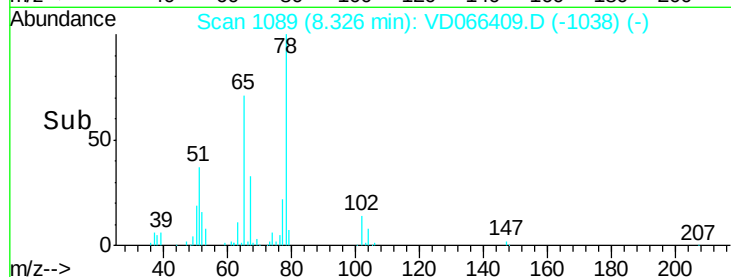
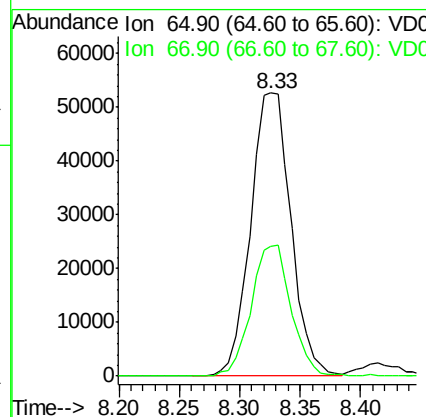
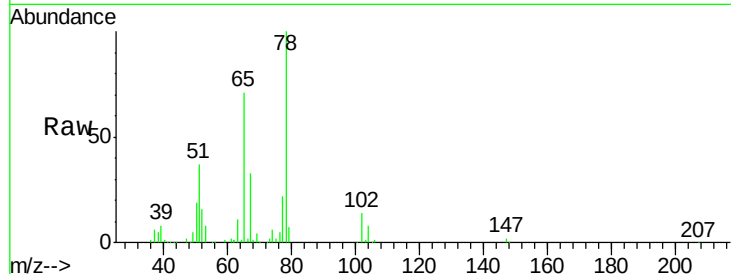
#33
 1,2-Dichloroethane-d4
 Concen: 64.050 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	122664		
67	45.7	0.0	101.6	

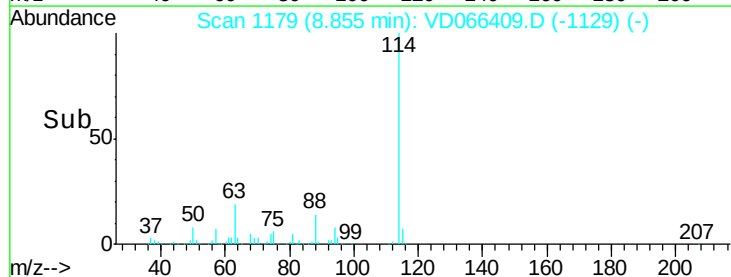
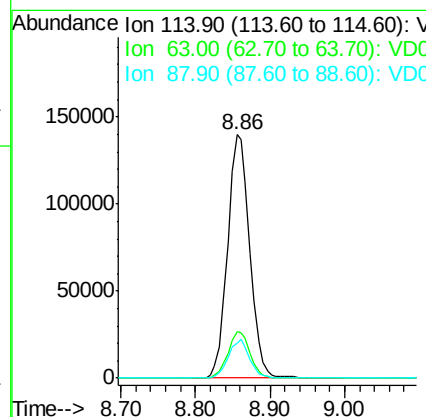
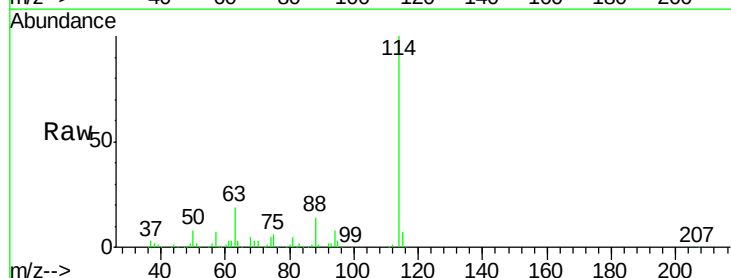
Manual Integrations
 APPROVED

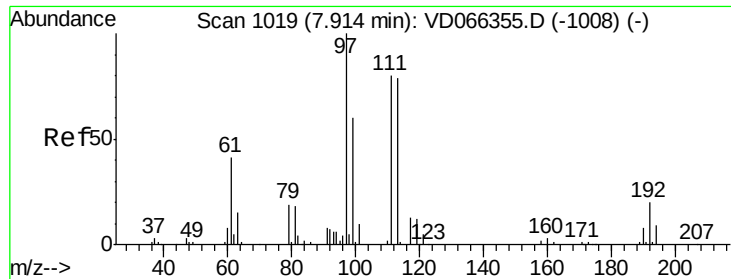
MMDadoda
 8/26/2020 4:23:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	288207		
63	19.3	0.0	40.8	
88	14.4	0.0	35.4	





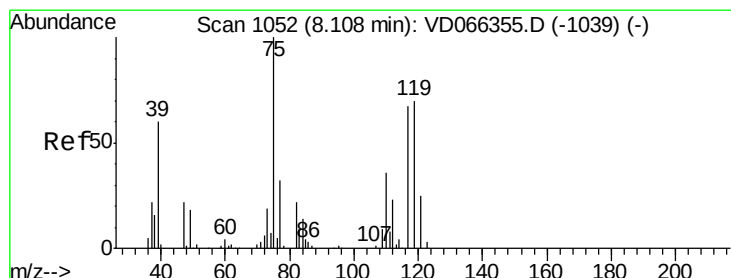
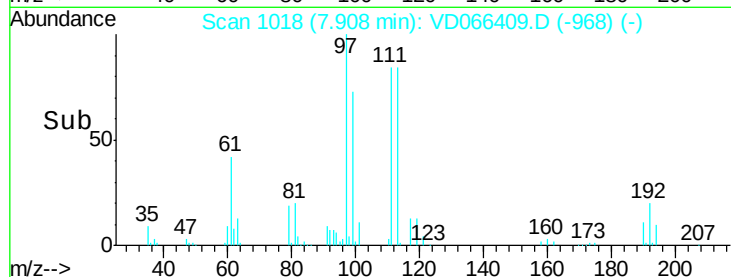
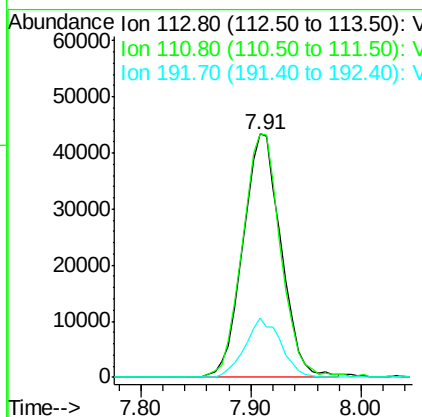
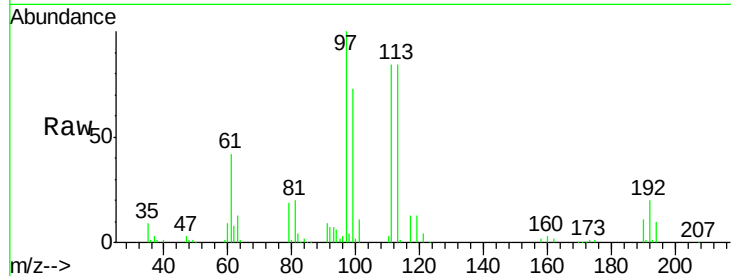
#35
 Dibromofluoromethane
 Concen: 58.117 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104737		
111	100.7	80.3	120.5	
192	23.0	19.0	28.6	

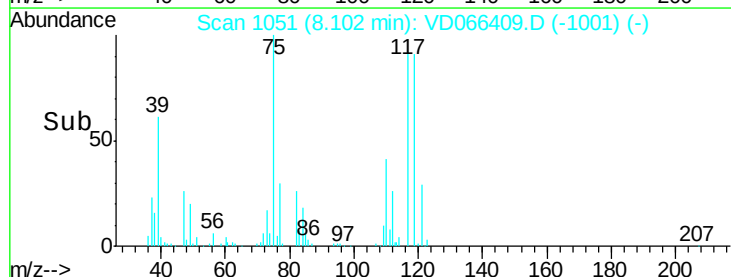
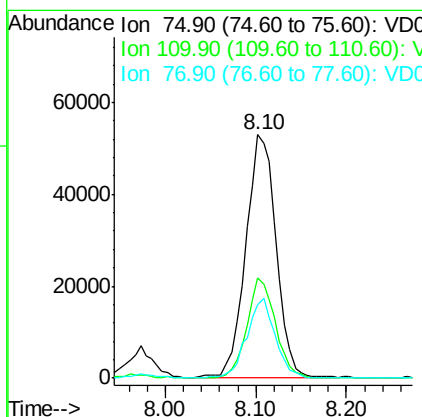
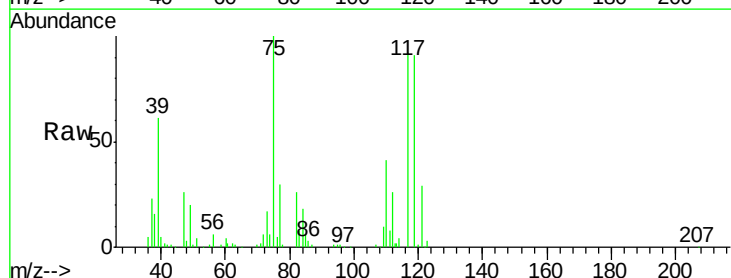
Manual Integrations
 APPROVED

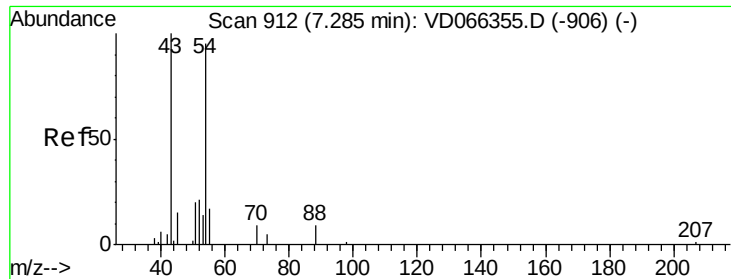
MMDadoda
 8/26/2020 4:23:08 PM



#36
 1,1-Dichloropropene
 Concen: 46.770 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122992		
110	38.4	18.7	56.1	
77	30.8	25.2	37.8	





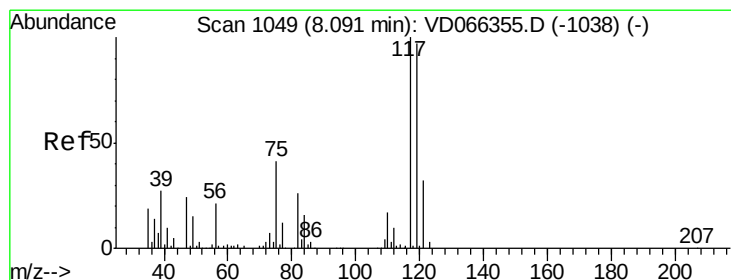
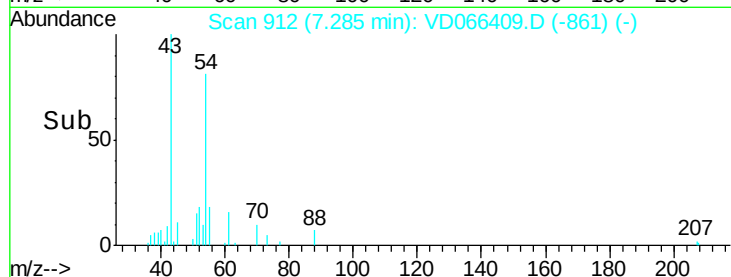
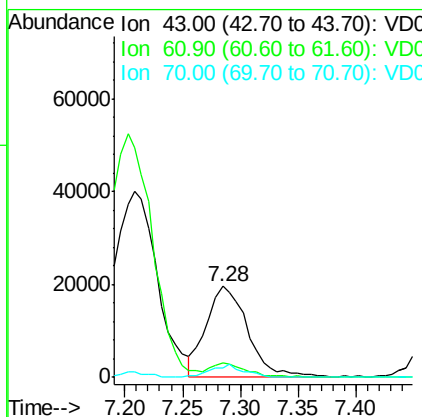
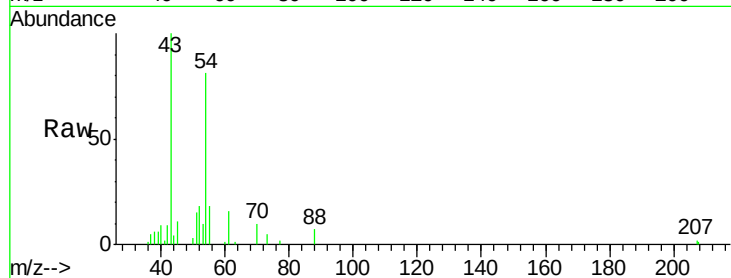
#37
Ethyl Acetate
Concen: 53.853 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	13.3	19.9
70	11.4	3.5	5.3

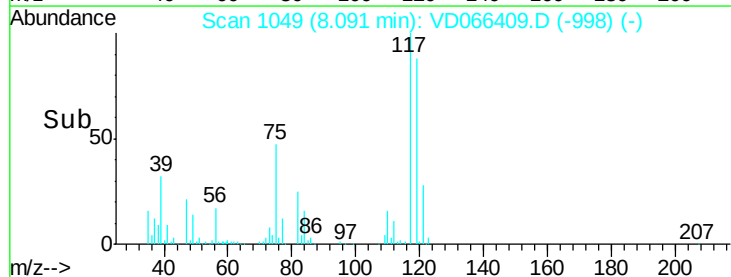
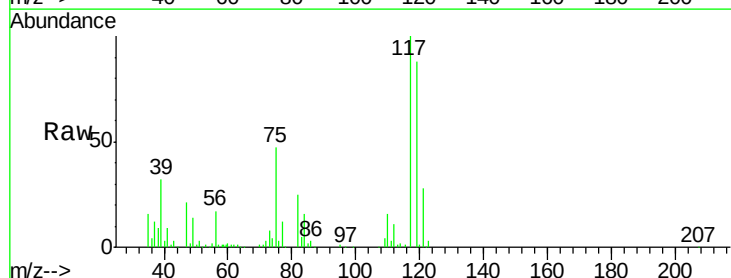
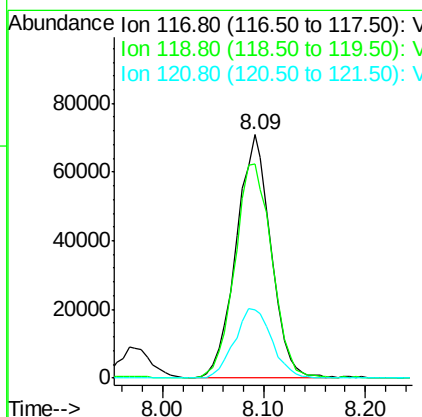
Manual Integrations
APPROVED

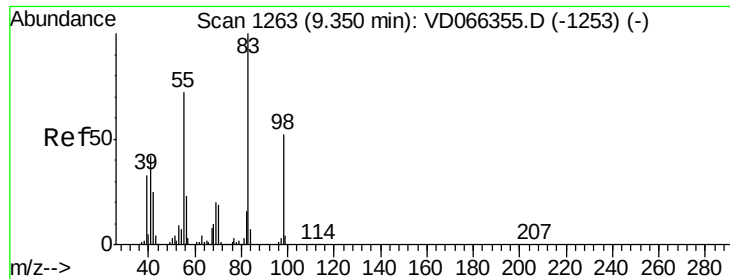
MMDadoda
8/26/2020 4:23:08 PM



#38
Carbon Tetrachloride
Concen: 49.144 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.1	77.2	115.8
121	28.3	25.8	38.8





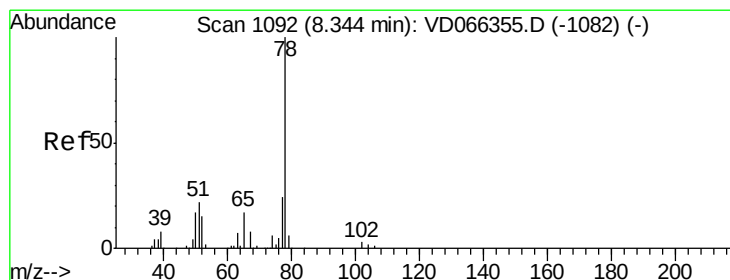
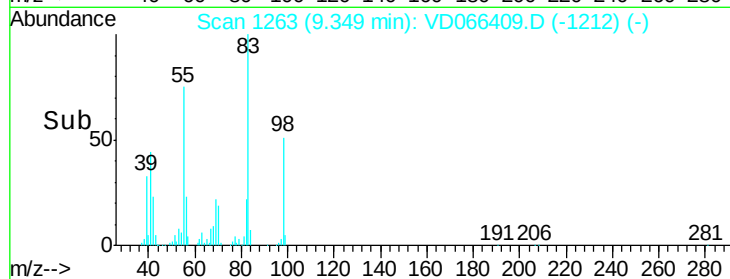
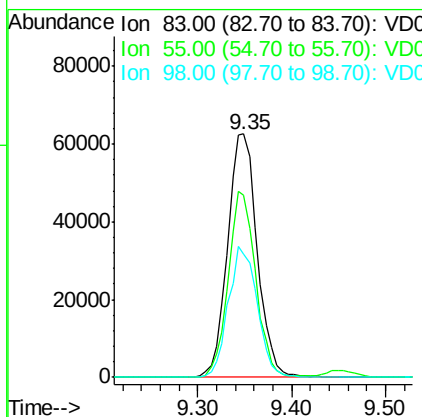
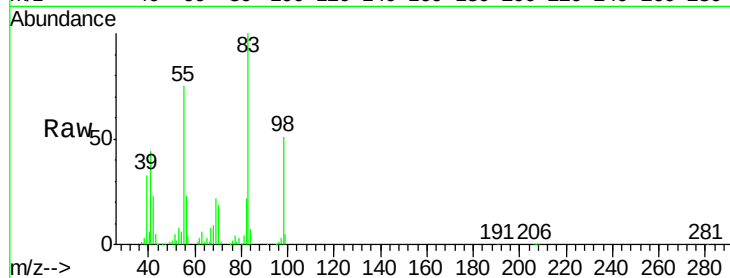
#39
Methylvlcyclohexane
Concen: 44.165 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	58.0	87.0
98	50.8	41.9	62.9

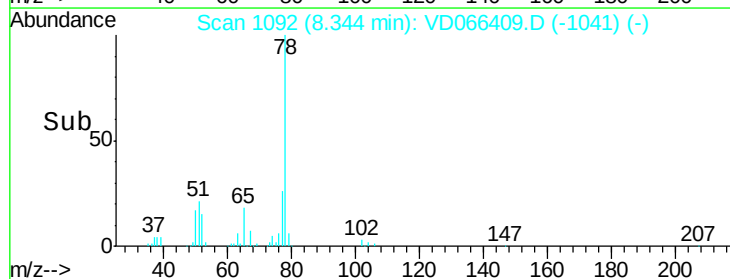
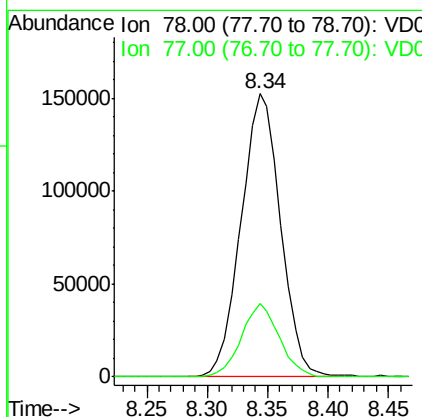
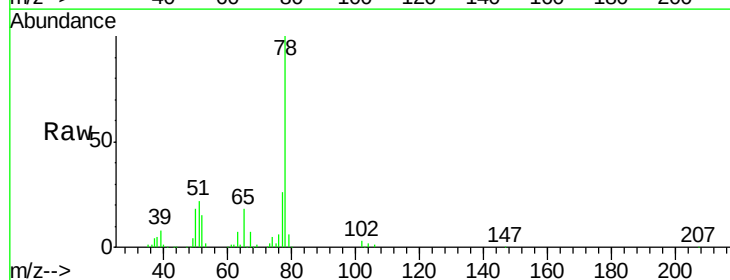
Manual Integrations
APPROVED

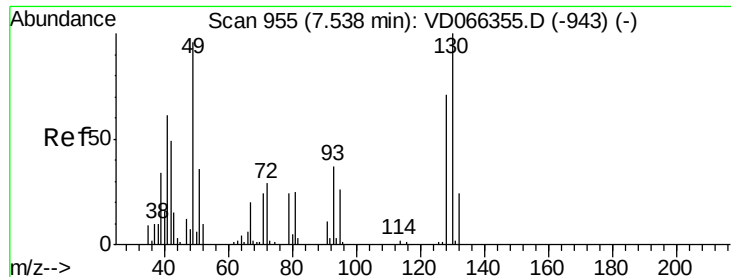
MMDadoda
8/26/2020 4:23:08 PM



#40
Benzene
Concen: 50.158 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.8	28.2





#41

Methacrylonitrile

Concen: 44.630 ug/l m

RT: 7.48 min Scan# 946

Delta R.T. -0.05 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 24616

Ion Ratio Lower Upper

41 100

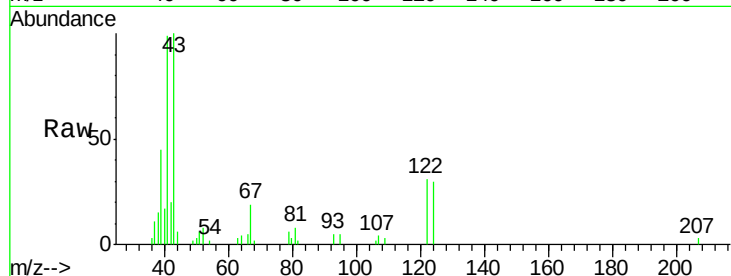
39 105.9 51.8 77.8#

67 94.0 0.0 0.0#

52 43.3 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM

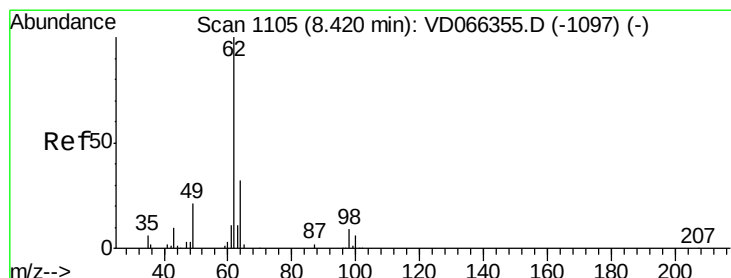
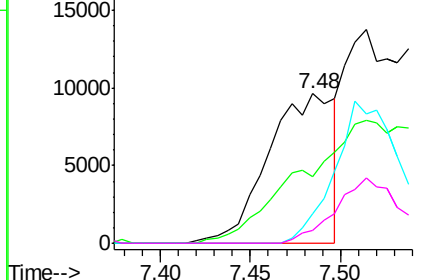
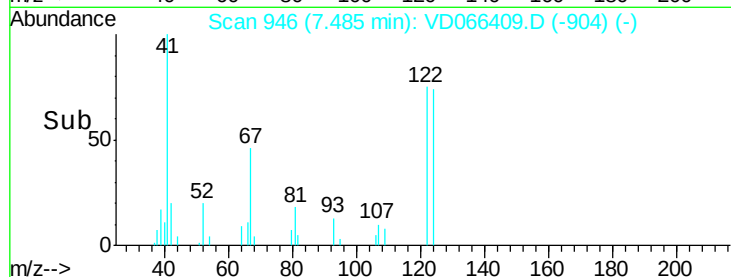


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 55.472 ug/l

RT: 8.41 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VD066409.D

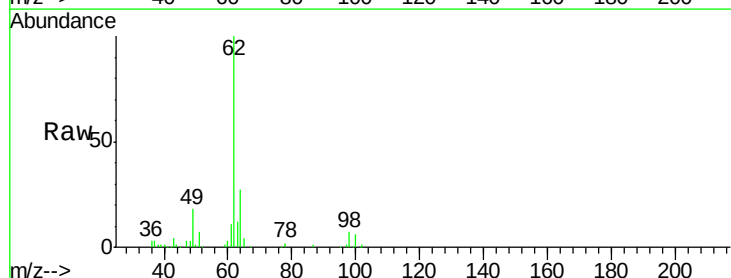
Acq: 25 Aug 2020 18:25

Tgt Ion: 62 Resp: 135157

Ion Ratio Lower Upper

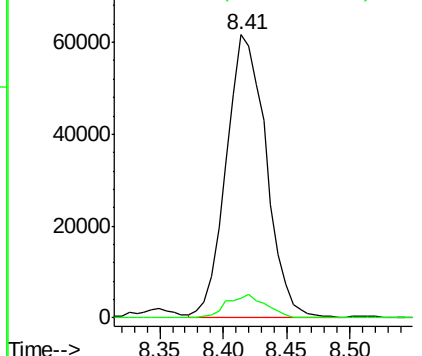
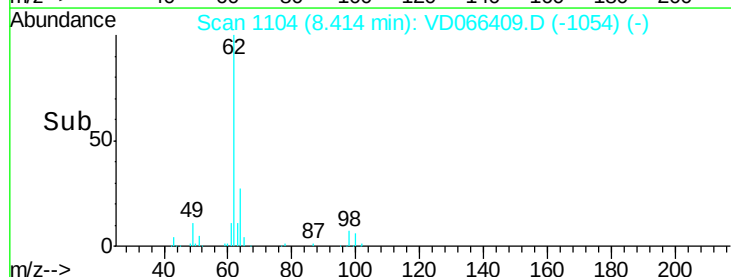
62 100

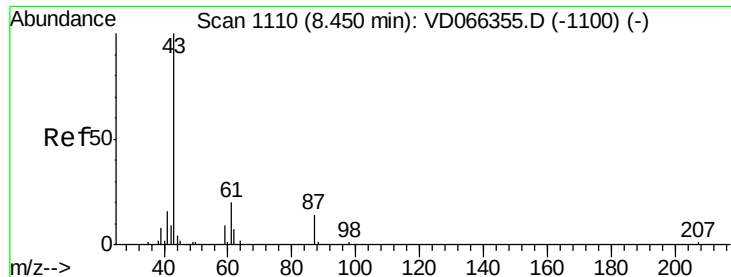
98 8.1 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 56.697 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

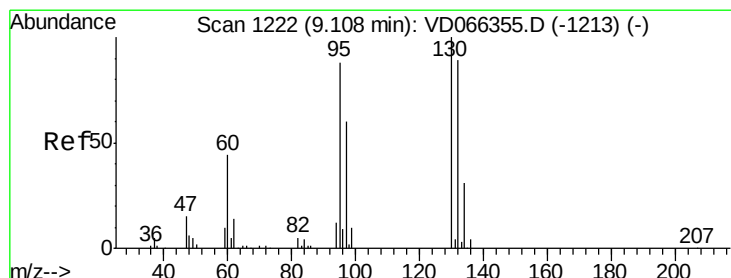
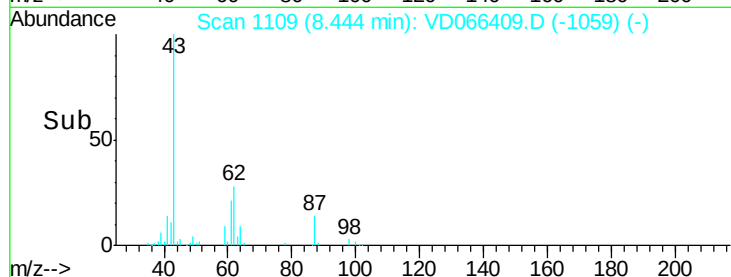
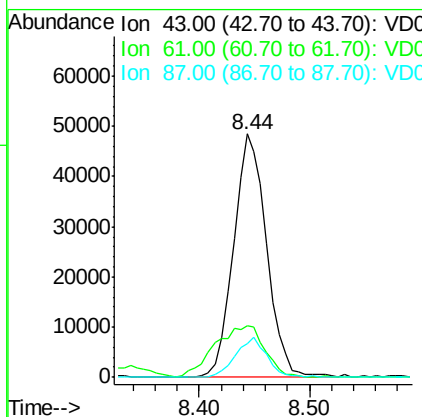
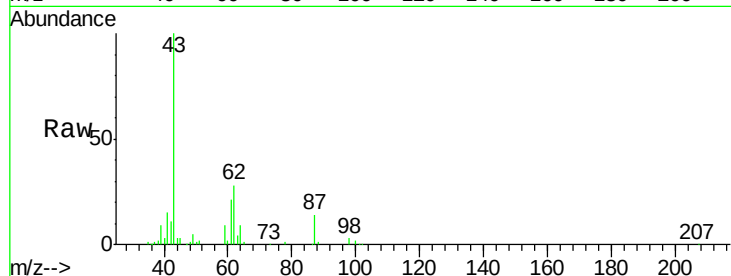
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	101782
Ion	Ratio	Lower	Upper
43	100		
61	31.8	26.5	39.7
87	15.6	11.9	17.9

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM



#44

Trichloroethene

Concen: 48.819 ug/l

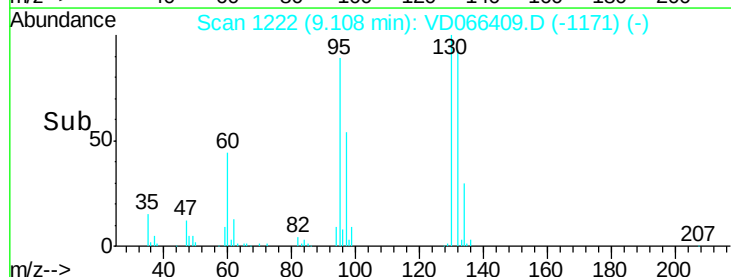
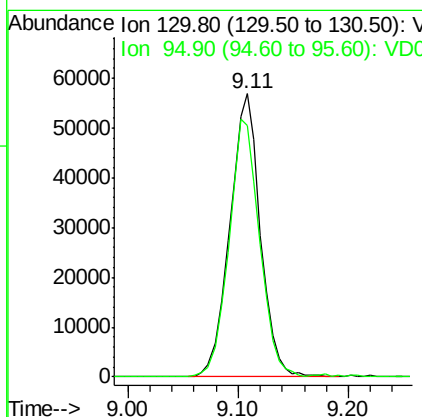
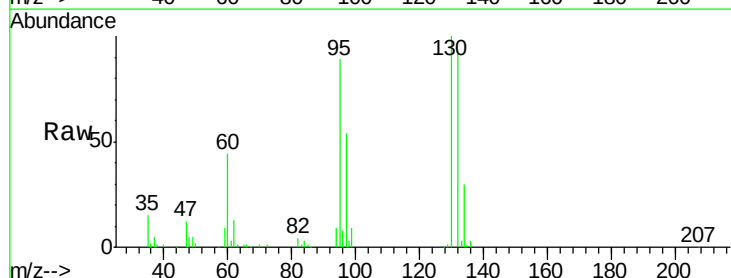
RT: 9.11 min Scan# 1222

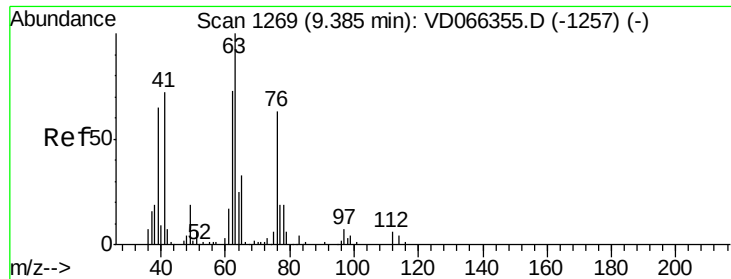
Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion:	130	Resp:	109740
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	175.6





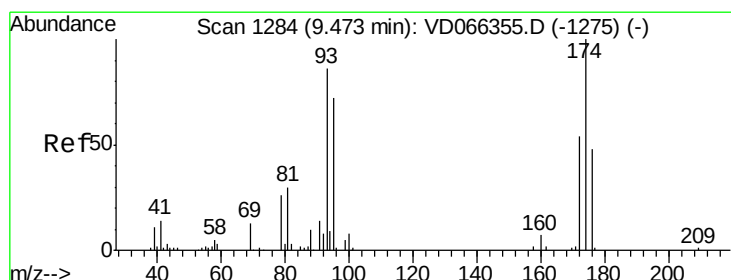
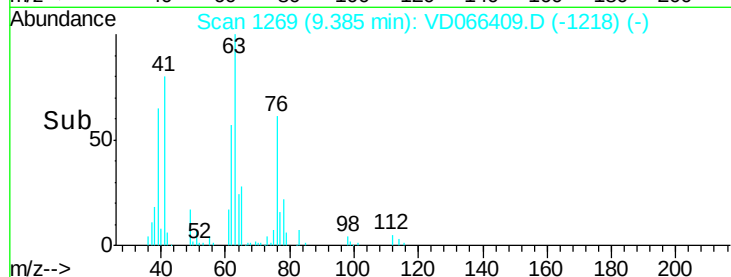
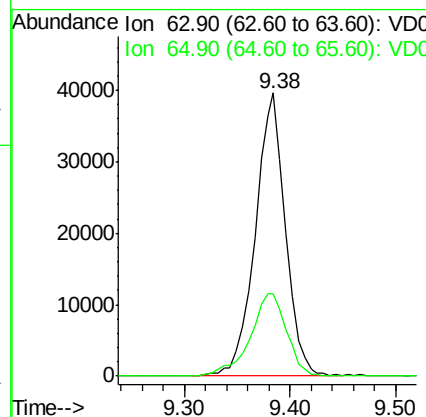
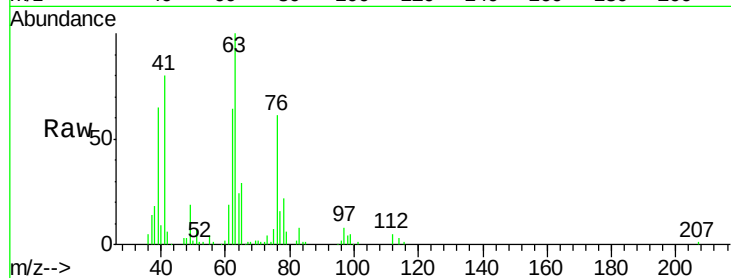
#45
 1,2-Dichloropropane
 Concen: 50.028 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 78461
 Ion Ratio Lower Upper
 63 100
 65 28.9 26.4 39.6

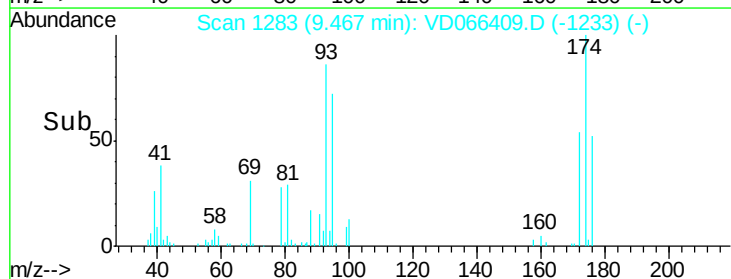
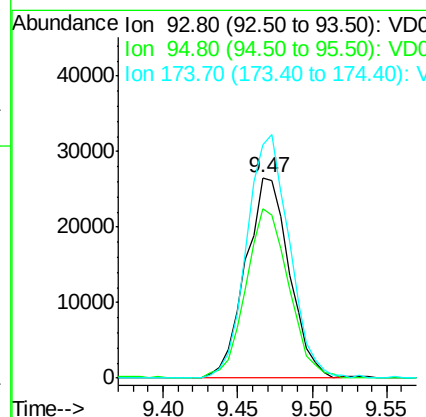
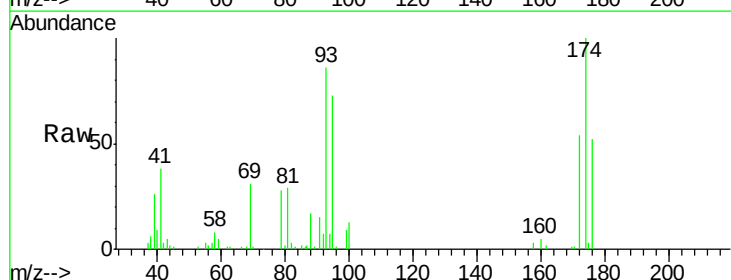
Manual Integrations
 APPROVED

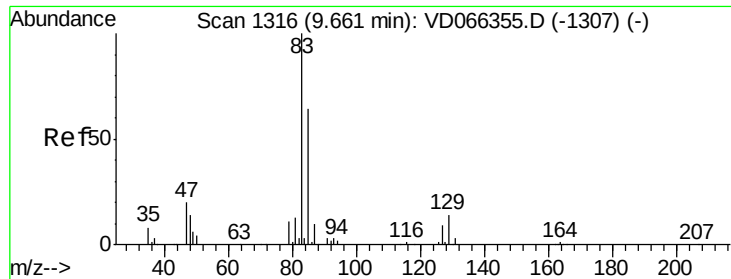
MMDadoda
 8/26/2020 4:23:08 PM



#46
 Dibromomethane
 Concen: 55.123 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion: 93 Resp: 53826
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.0 99.0
 174 118.5 94.6 141.8





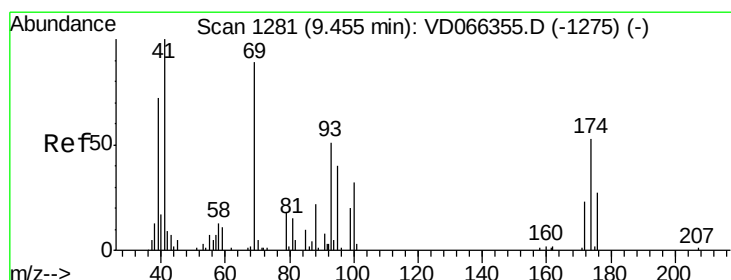
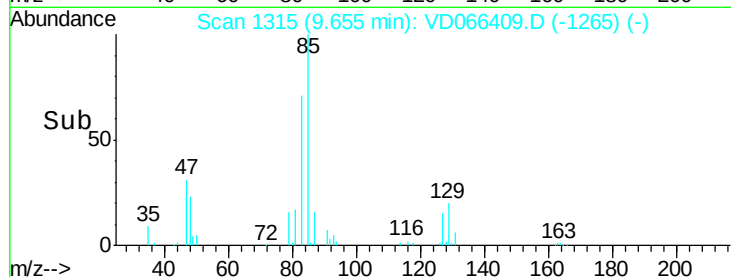
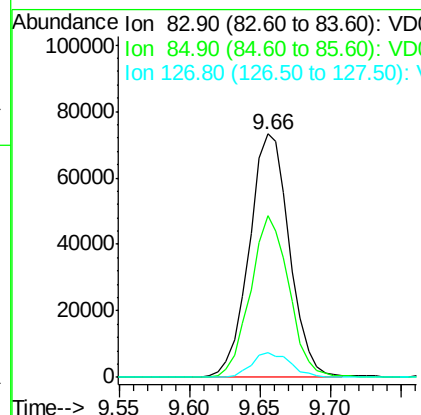
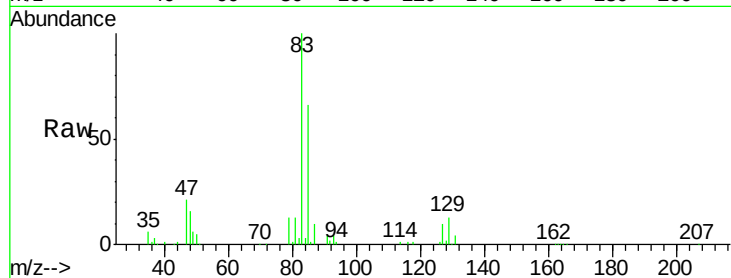
#47
Bromodichloromethane
Concen: 54.479 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	146295		
85	66.3		51.4	77.0
127	10.0		7.4	11.0

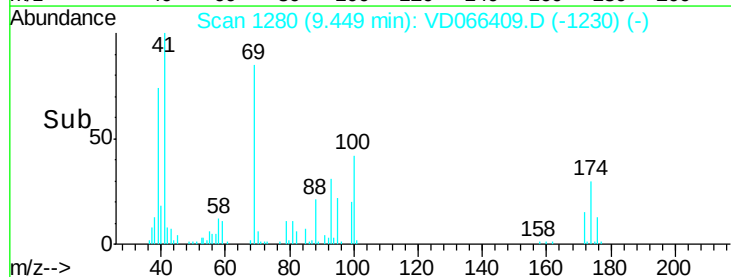
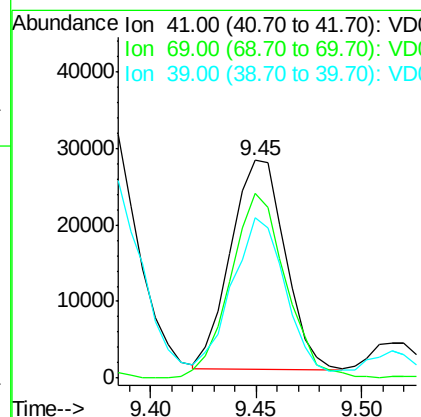
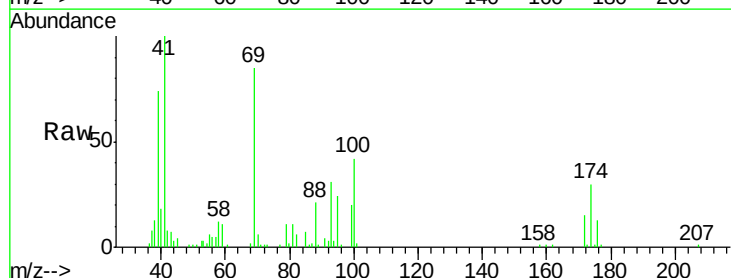
Manual Integrations
APPROVED

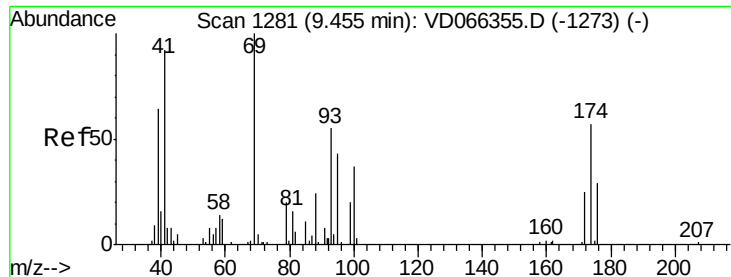
MMDadoda
8/26/2020 4:23:08 PM



#48
Methyl methacrylate
Concen: 52.952 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49019		
69	89.4		75.5	113.3
39	69.8		57.0	85.4





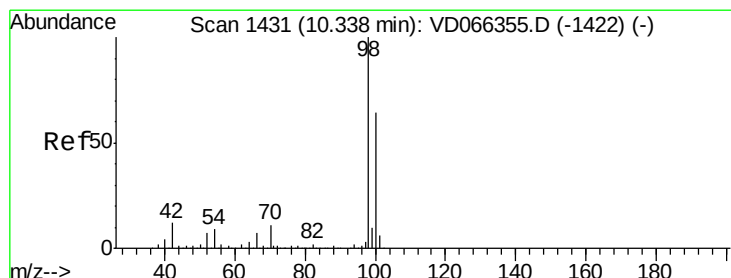
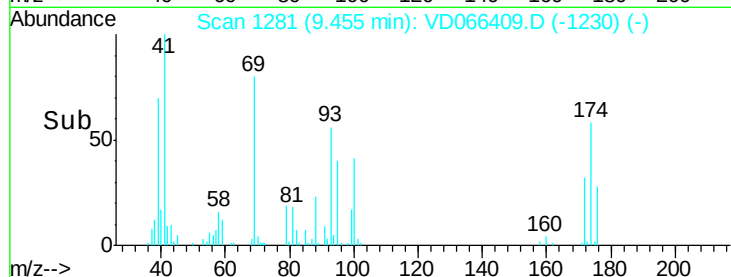
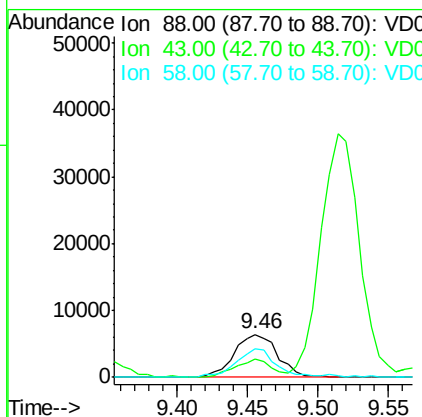
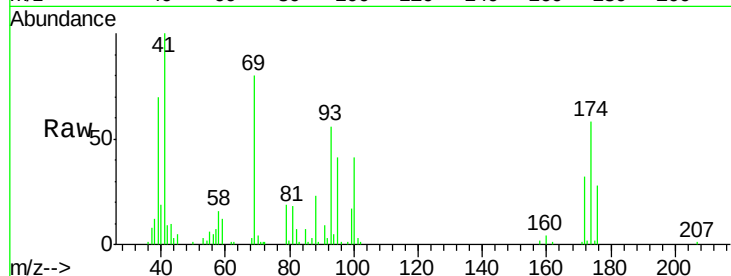
#49
1,4-Dioxane
Concen: 1208.103 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.6	29.4	44.0	
58	63.2	45.4	68.2	

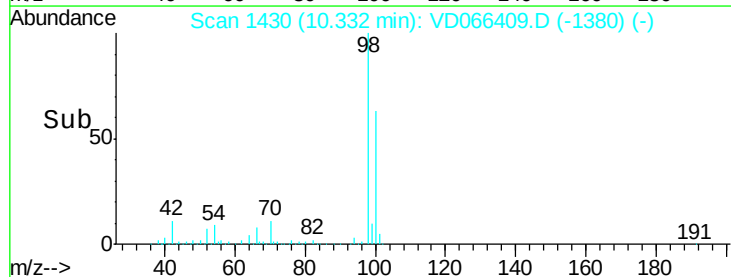
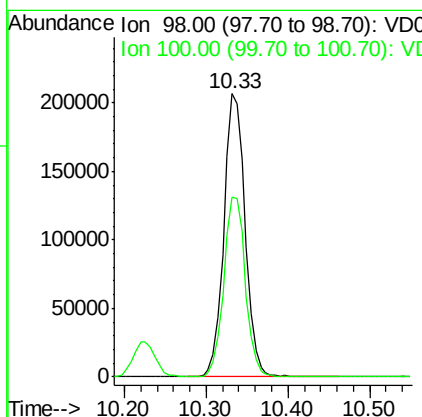
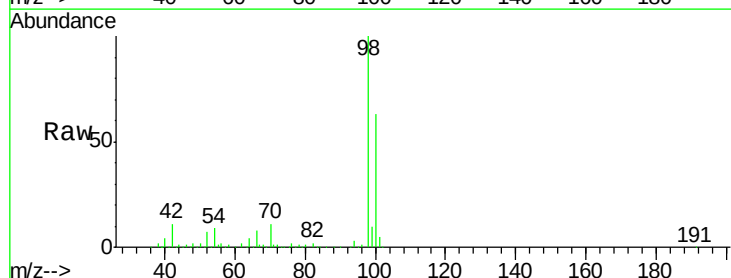
Manual Integrations
APPROVED

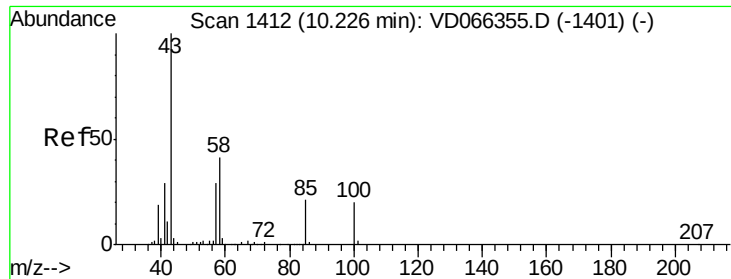
MMDadoda
8/26/2020 4:23:08 PM



#50
Toluene-d8
Concen: 56.688 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7	53.0	79.4	





#51

4-Methyl-2-Pentanone

Concen: 283.148 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 245898

Ion Ratio Lower Upper

43 100

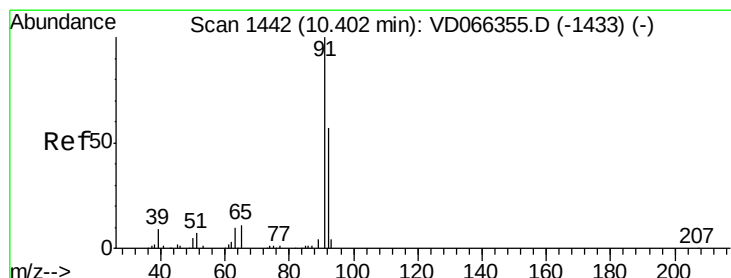
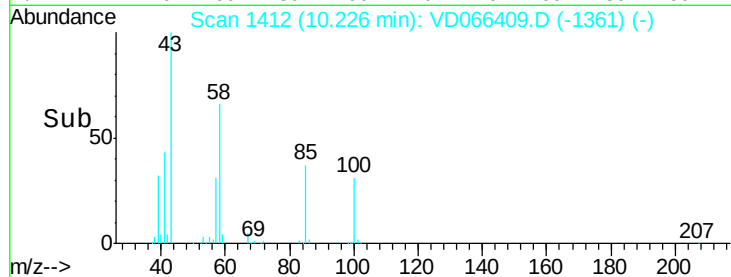
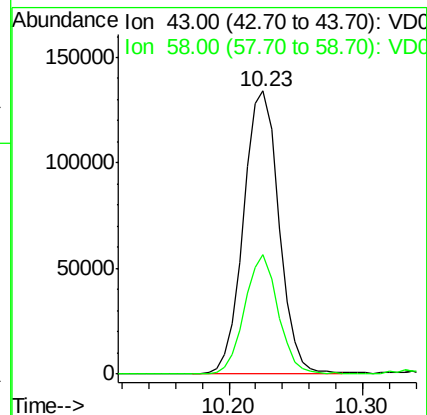
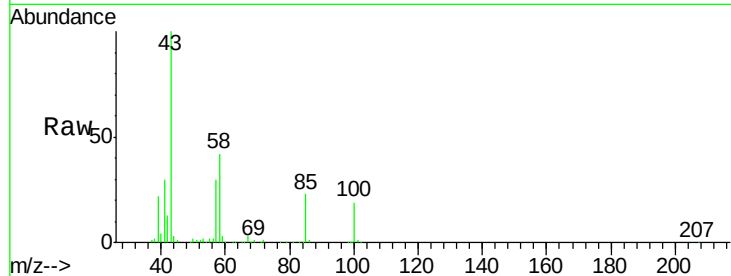
58 39.9 31.4 47.2

Manual Integrations

APPROVED

MMDadoda

8/26/2020 4:23:08 PM



#52

Toluene

Concen: 50.873 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066409.D

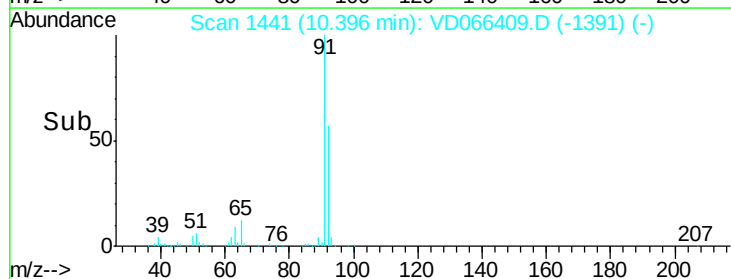
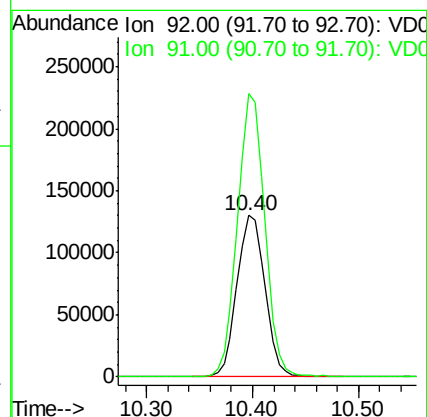
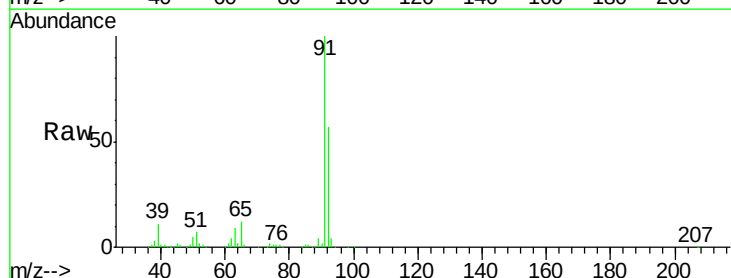
Acq: 25 Aug 2020 18:25

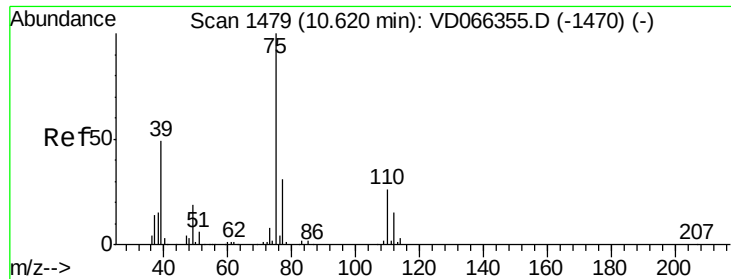
Tgt Ion: 92 Resp: 238436

Ion Ratio Lower Upper

92 100

91 171.0 135.8 203.6





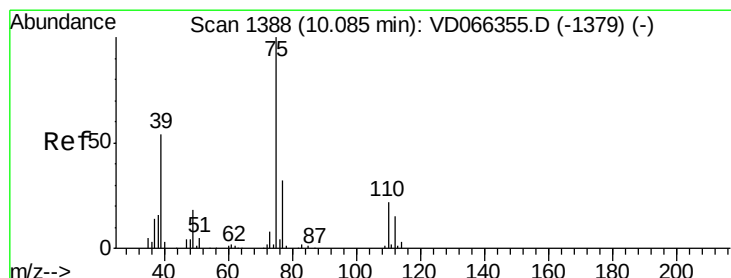
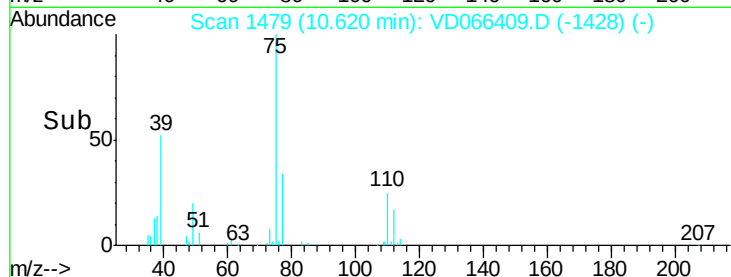
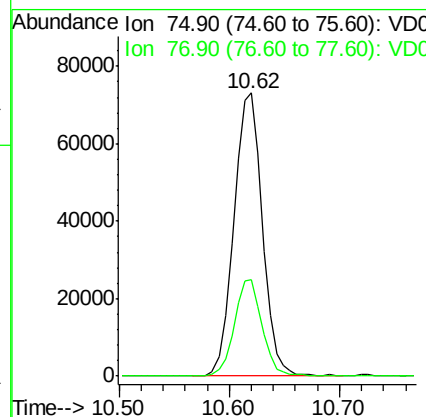
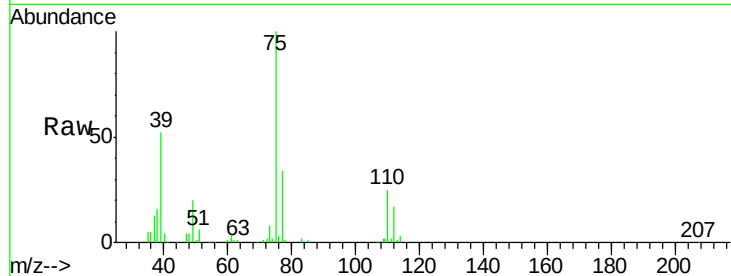
#53
 t-1,3-Dichloropropene
 Concen: 51.910 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 132270
 Ion Ratio Lower Upper
 75 100
 77 34.2 24.5 36.7

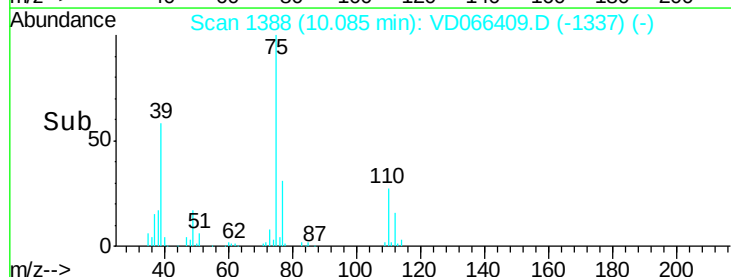
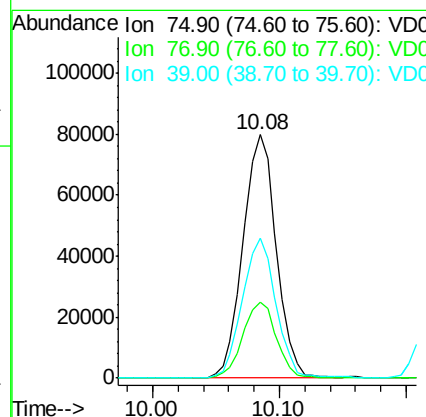
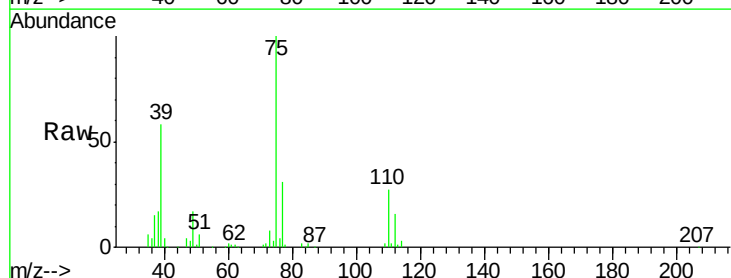
Manual Integrations
 APPROVED

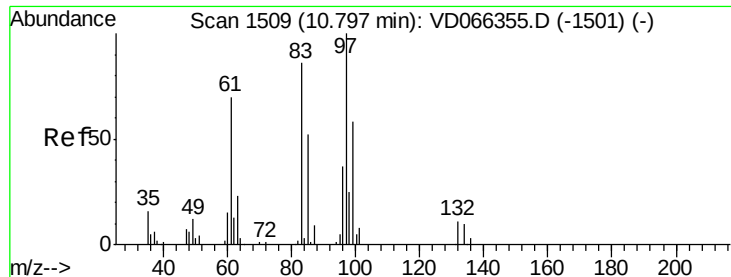
MMDadoda
 8/26/2020 4:23:08 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.915 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion: 75 Resp: 145623
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.6 38.4
 39 57.6 43.4 65.0





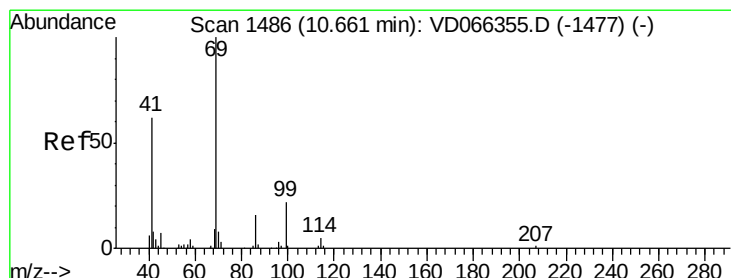
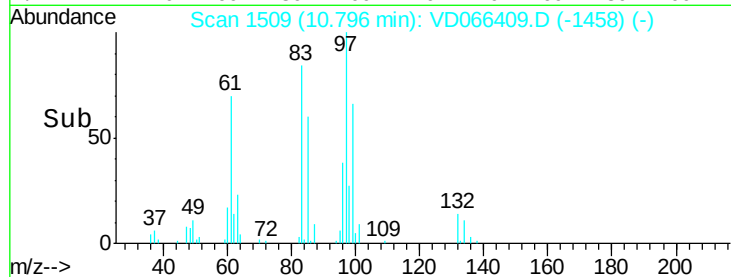
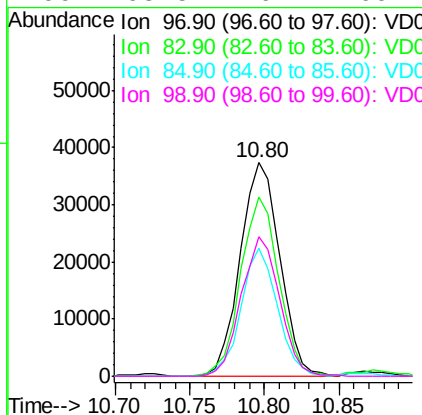
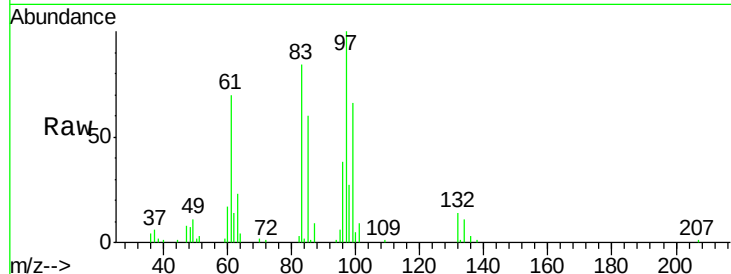
#55
 1,1,2-Trichloroethane
 Concen: 51.995 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	68734
Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.4	102.6
85	59.7	41.3	61.9
99	65.5	46.1	69.1

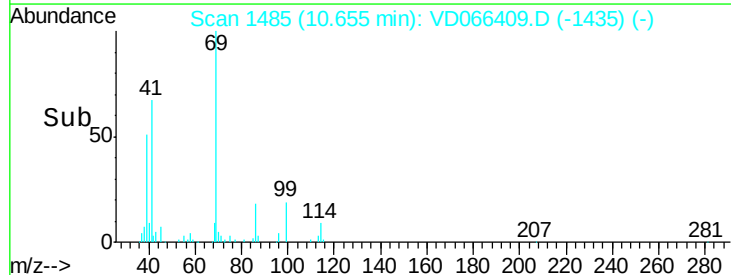
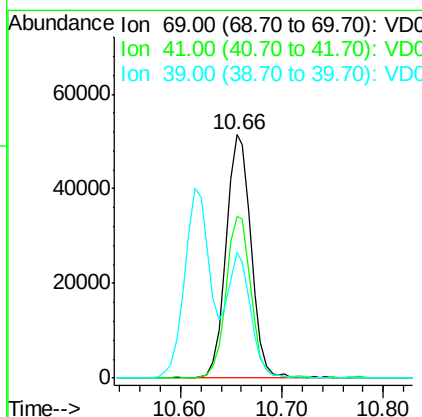
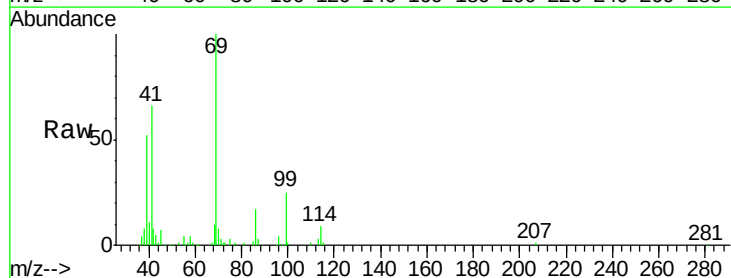
Manual Integrations
 APPROVED

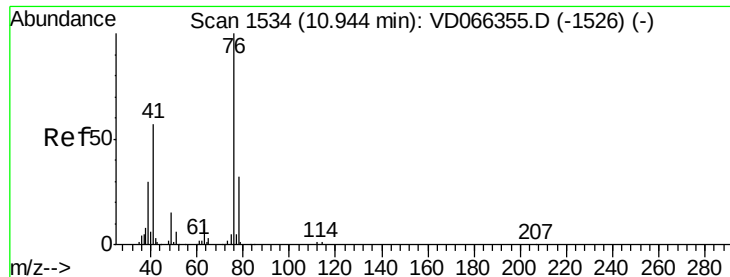
MMDadoda
 8/26/2020 4:23:08 PM



#56
 Ethyl methacrylate
 Concen: 57.152 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion:	69	Resp:	87459
Ion	Ratio	Lower	Upper
69	100		
41	66.3	50.8	76.2
39	47.8	32.9	49.3





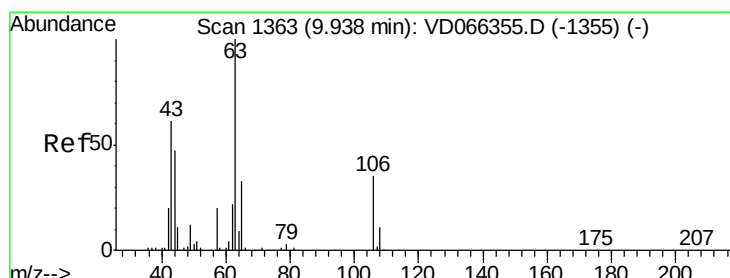
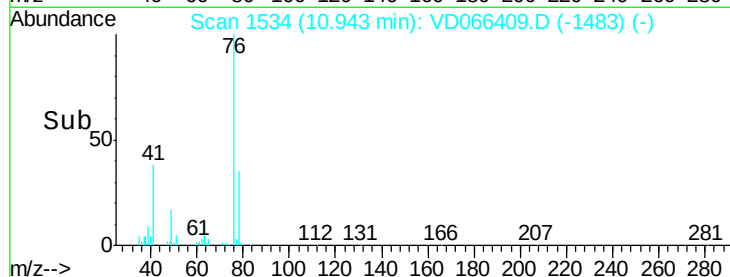
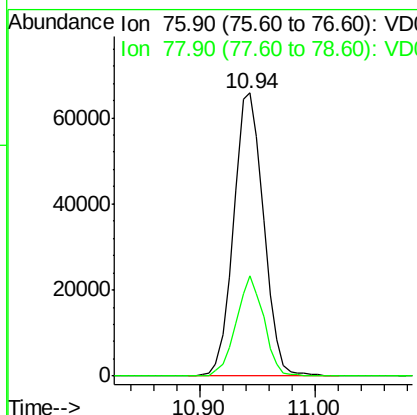
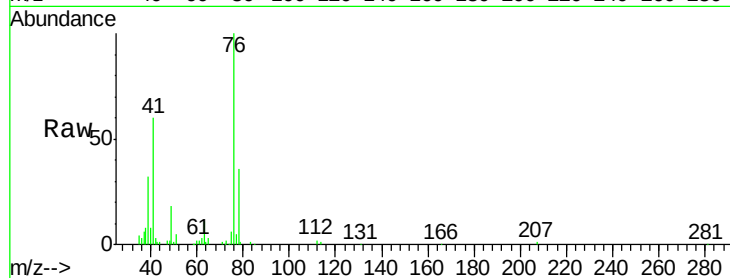
#57
 1,3-Dichloropropane
 Concen: 54.163 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.6	38.4

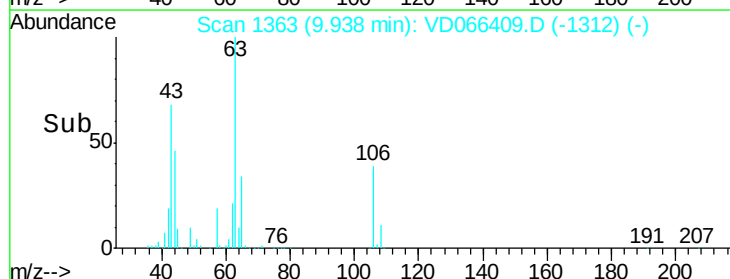
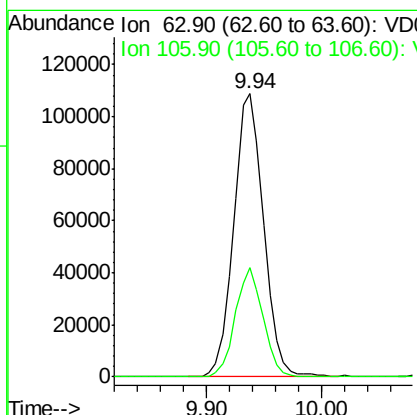
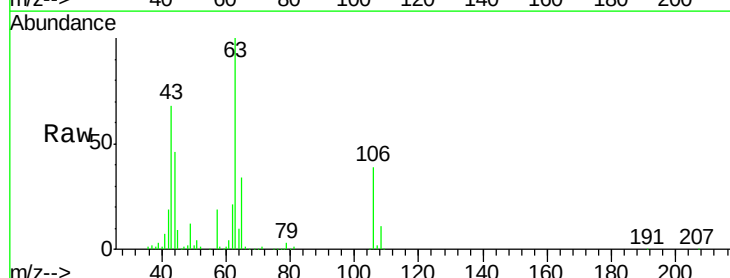
Manual Integrations
 APPROVED

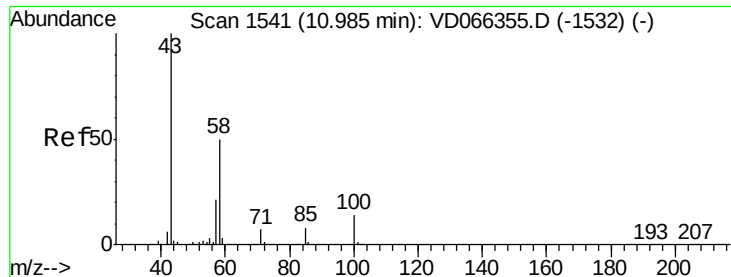
MMDadoda
 8/26/2020 4:23:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 305.960 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.6	27.1	40.7





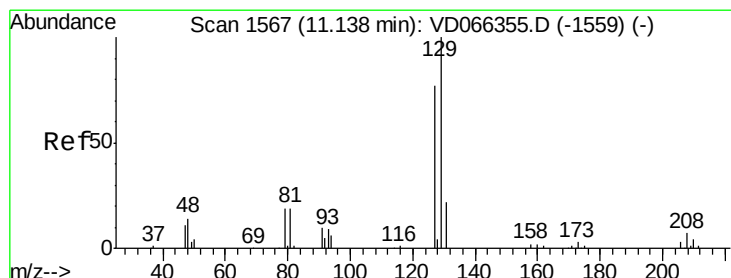
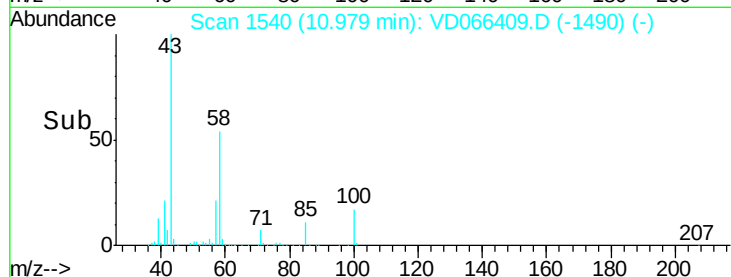
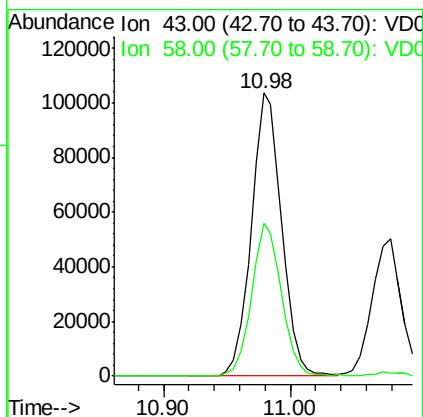
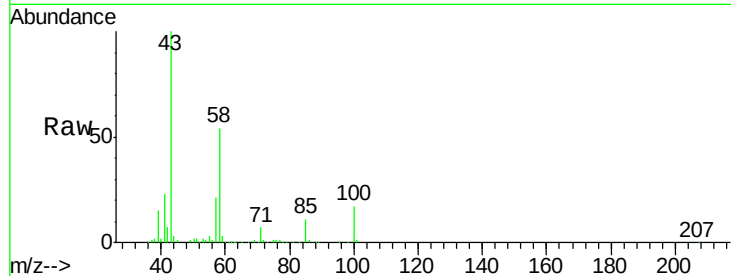
#59
2-Hexanone
Concen: 281.168 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 172235
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8

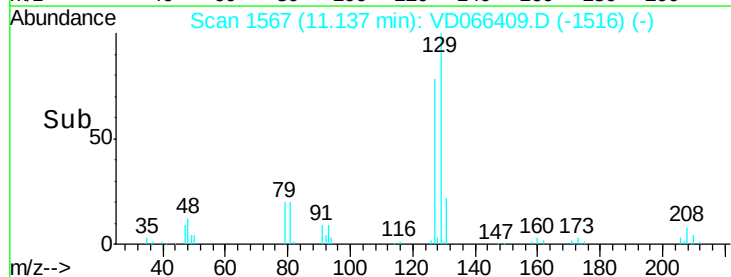
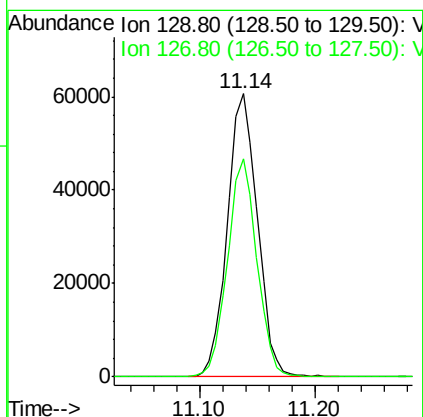
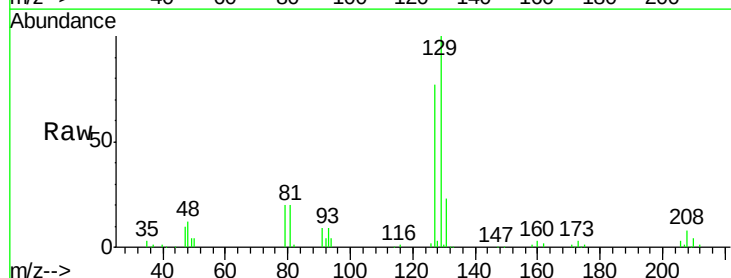
Manual Integrations
APPROVED

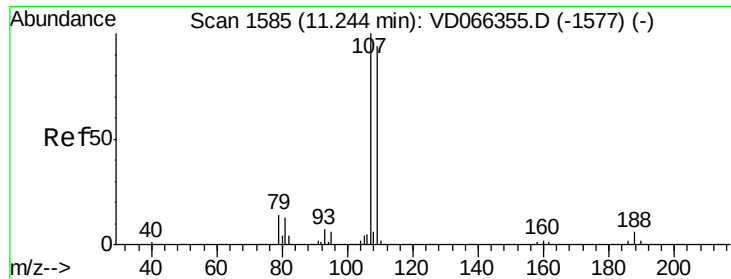
MMDadoda
8/26/2020 4:23:08 PM



#60
Dibromochloromethane
Concen: 55.041 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion: 129 Resp: 109674
Ion Ratio Lower Upper
129 100
127 75.3 39.0 117.0





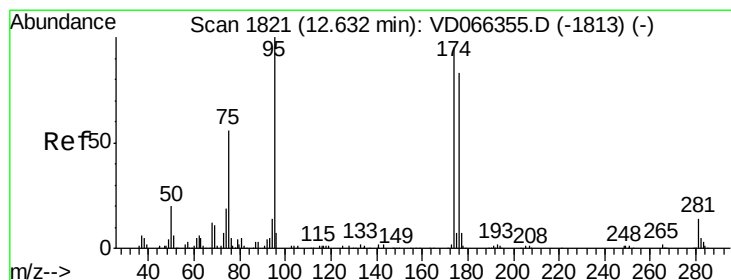
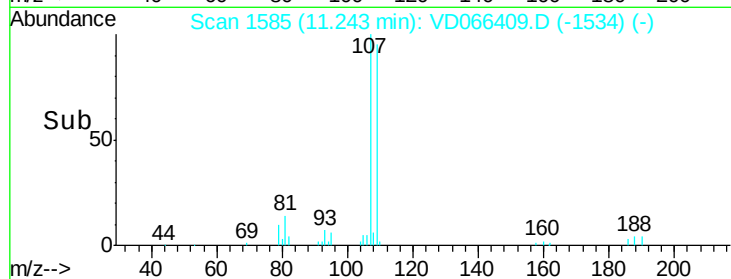
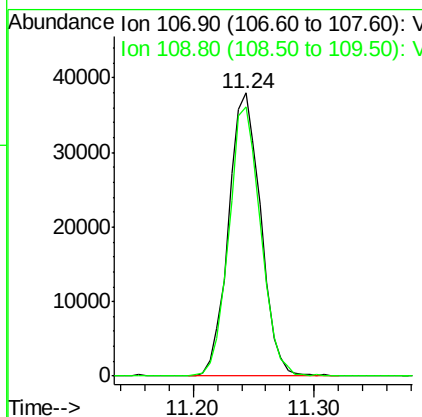
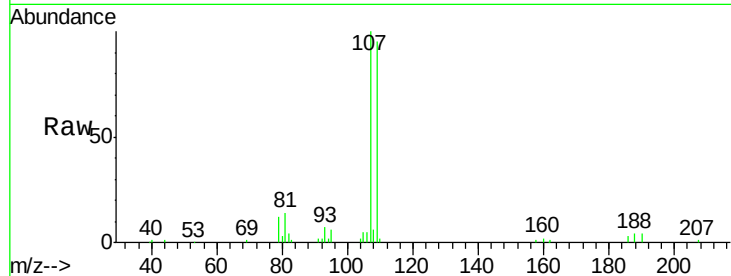
#61
 1,2-Dibromoethane
 Concen: 54.080 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	77.8	116.8

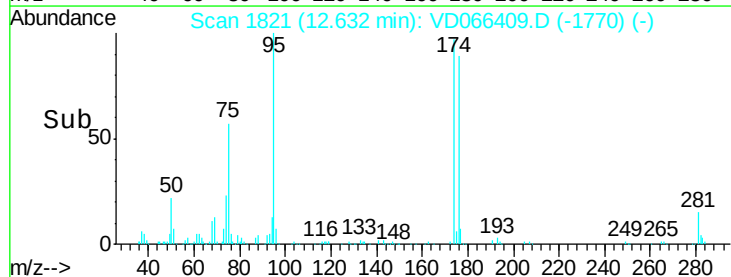
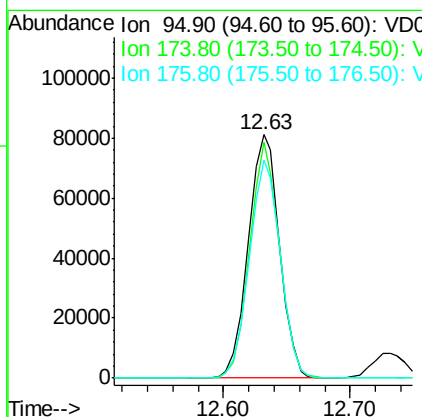
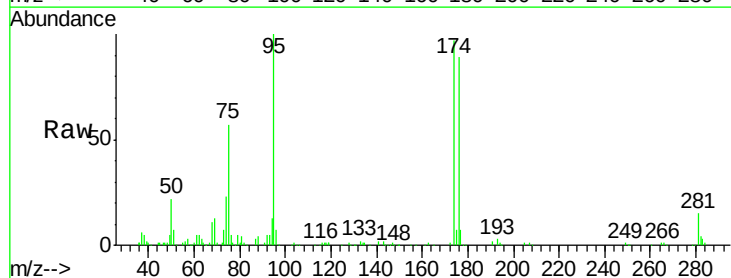
Manual Integrations
 APPROVED

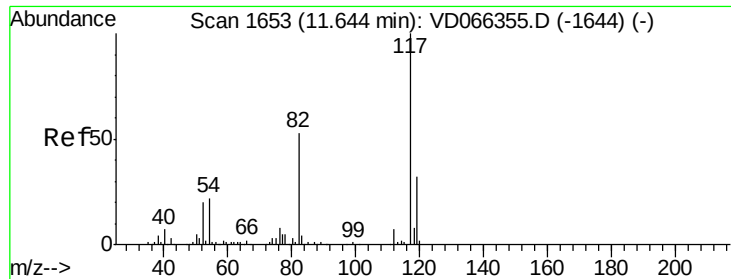
MMDadoda
 8/26/2020 4:23:08 PM



#62
 4-Bromofluorobenzene
 Concen: 59.580 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	183.4
176	88.5	0.0	173.8





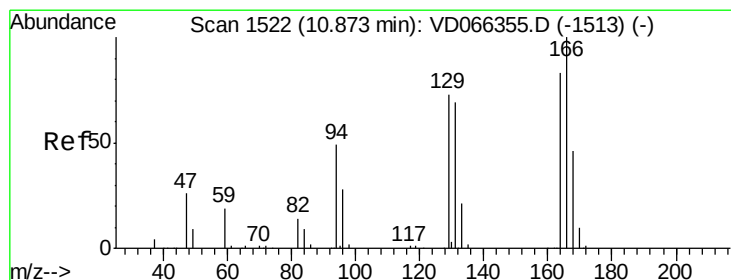
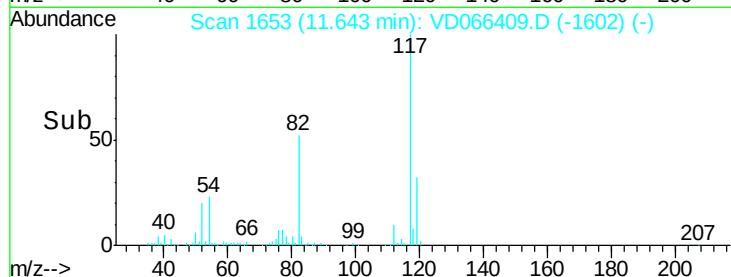
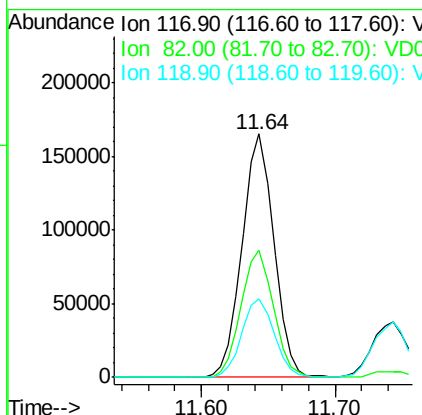
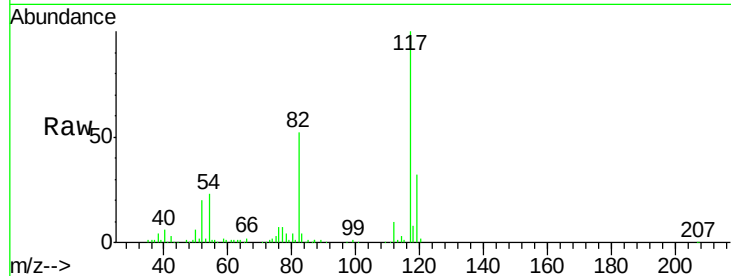
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.8	64.2
119	32.1	25.8	38.8

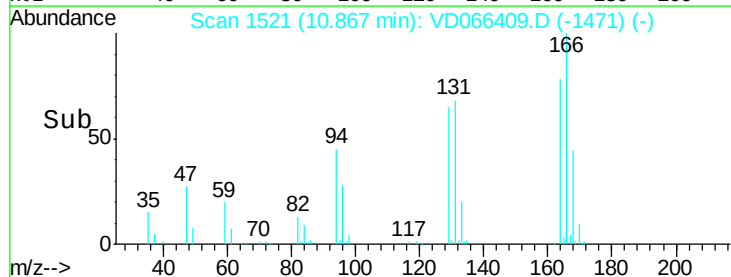
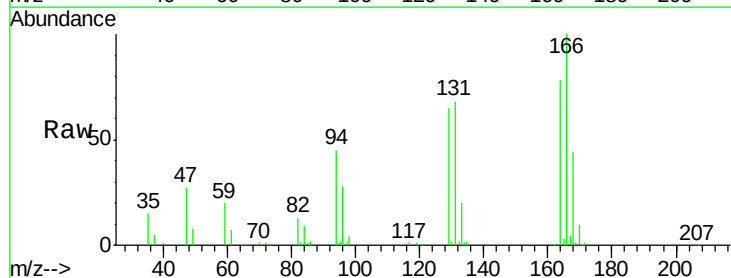
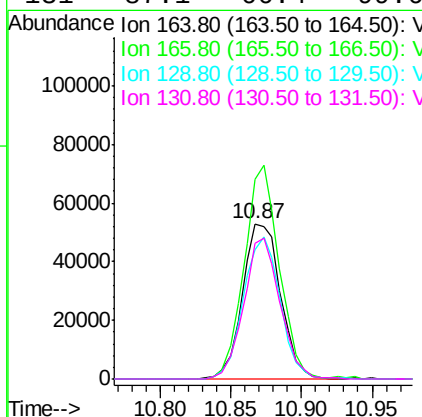
Manual Integrations
APPROVED

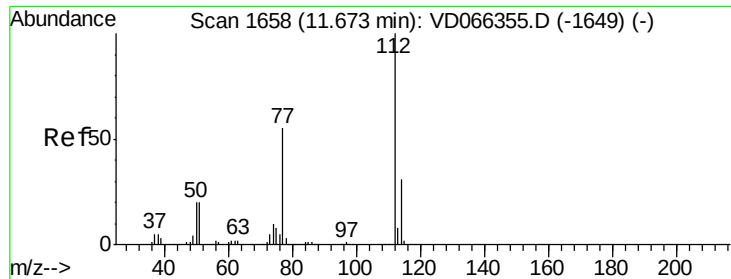
MMDadoda
8/26/2020 4:23:08 PM



#64
Tetrachloroethene
Concen: 48.176 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	96.2	144.4
129	83.3	70.3	105.5
131	87.1	66.4	99.6





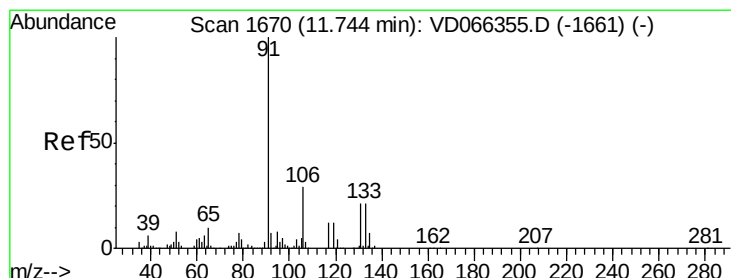
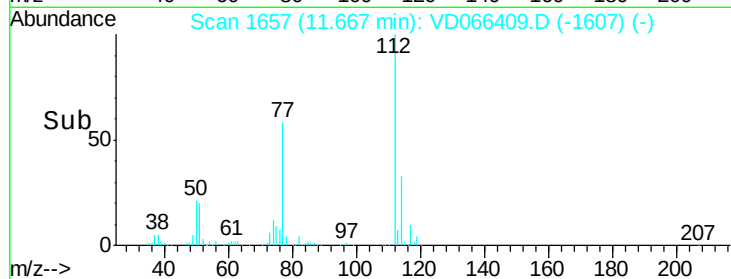
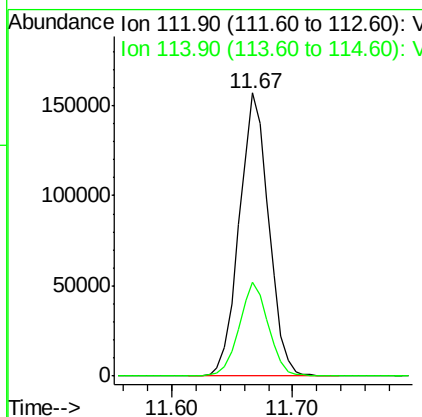
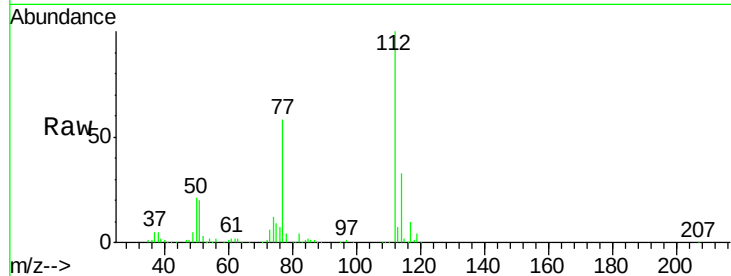
#65
Chlorobenzene
Concen: 49.192 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.1	37.7

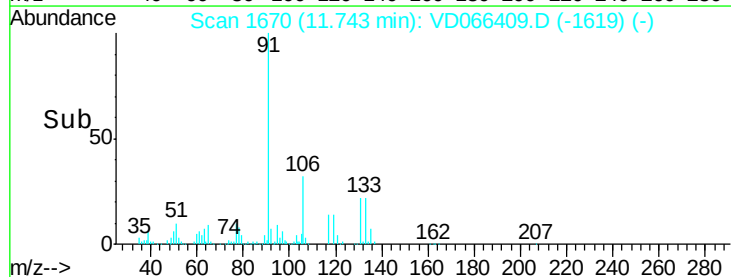
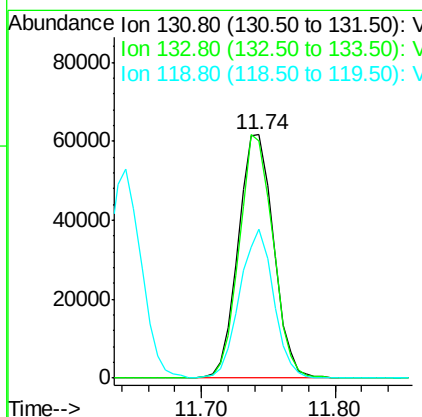
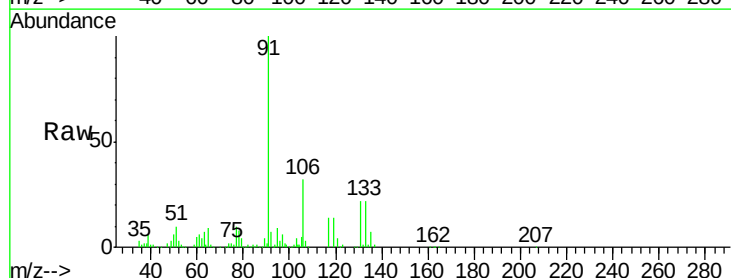
Manual Integrations
APPROVED

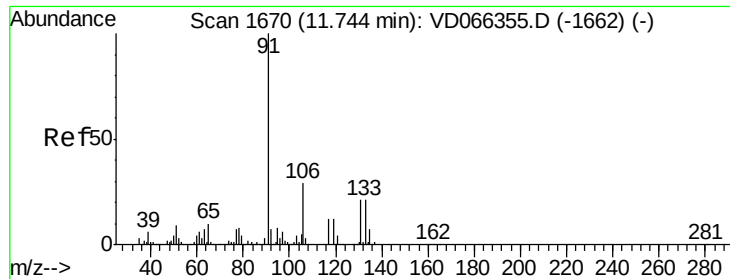
MMDadoda
8/26/2020 4:23:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.793 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.6	145.9
119	58.7	29.0	87.1





#67

Ethyl Benzene

Concen: 48.913 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 467787

Ion Ratio Lower Upper

91 100

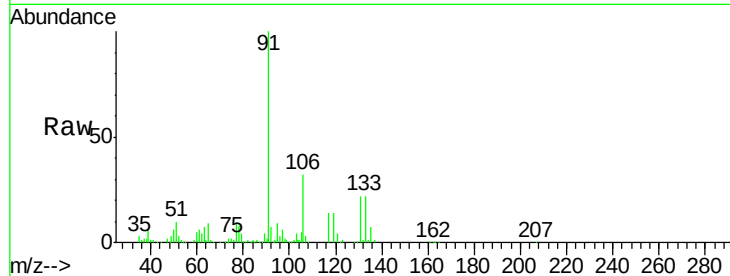
106 31.8 23.4 35.2

Manual Integrations

APPROVED

MMDadoda

8/26/2020 4:23:08 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066409.D (-1619) (-)

Ion 106.00 (105.70 to 106.70): VD066409.D (-1619) (-)

400000

300000

200000

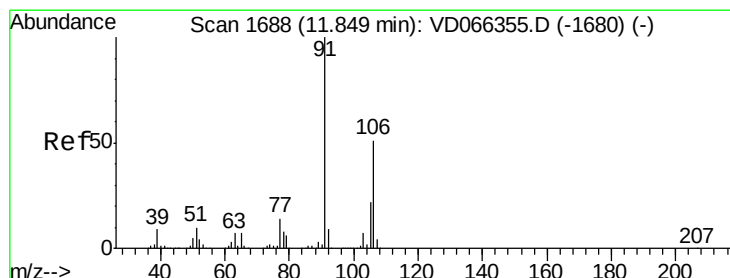
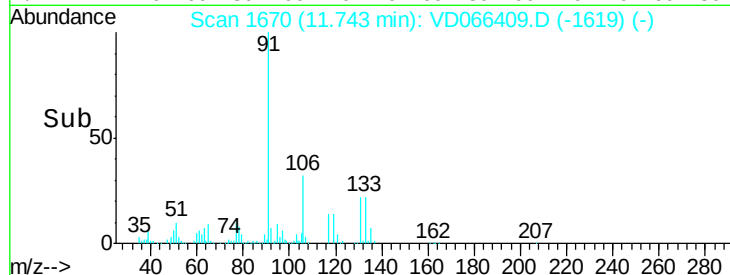
100000

0

11.74

11.80

Time-->



#68

m/p-Xylenes

Concen: 96.354 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066409.D

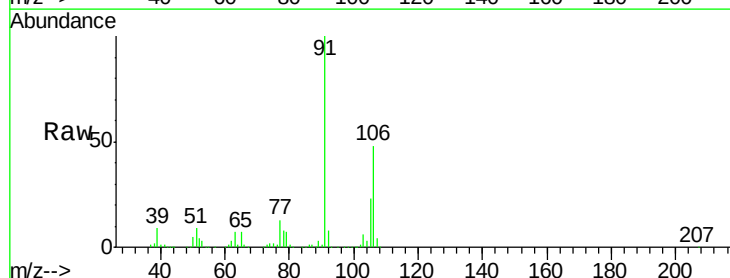
Acq: 25 Aug 2020 18:25

Tgt Ion: 106 Resp: 351232

Ion Ratio Lower Upper

106 100

91 208.0 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): VD066409.D (-1637) (-)

Ion 91.00 (90.70 to 91.70): VD066409.D (-1637) (-)

400000

300000

200000

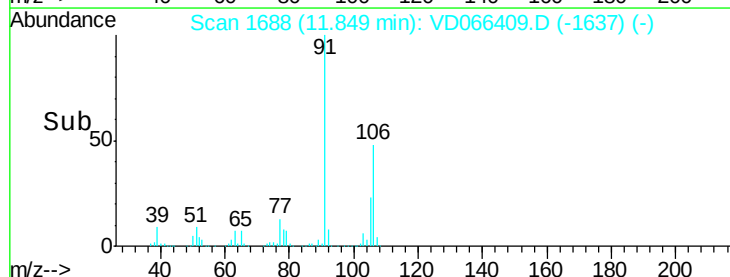
100000

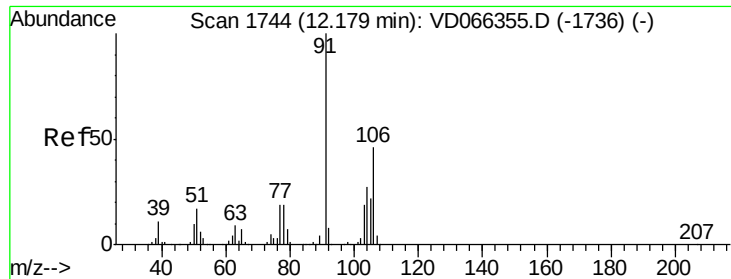
0

11.85

11.90

Time-->





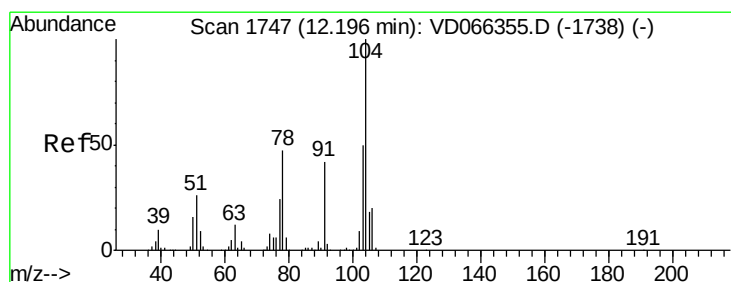
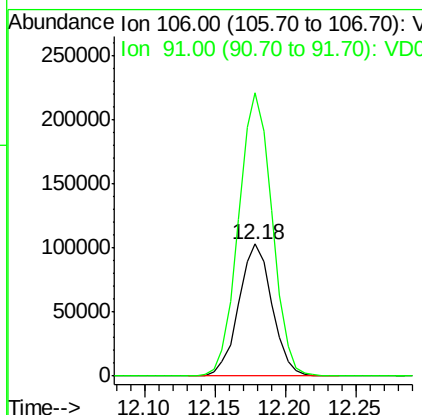
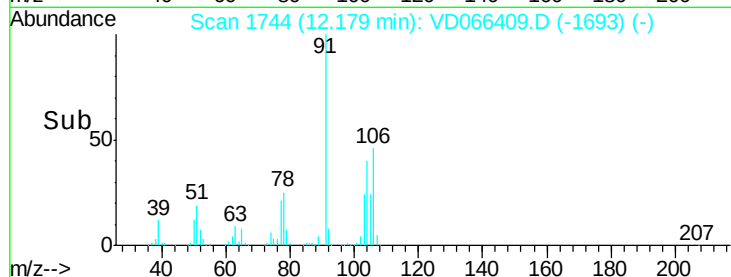
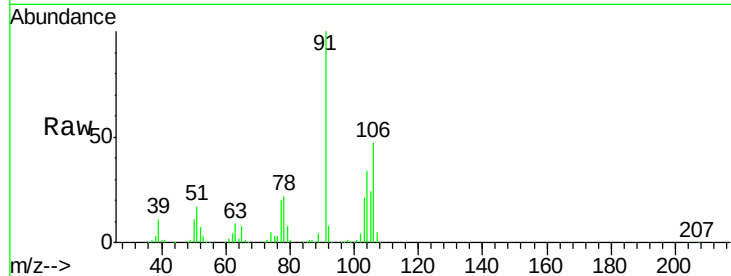
#69
o-Xylene
Concen: 50.060 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		169761		
91	216.2	109.1	327.3		

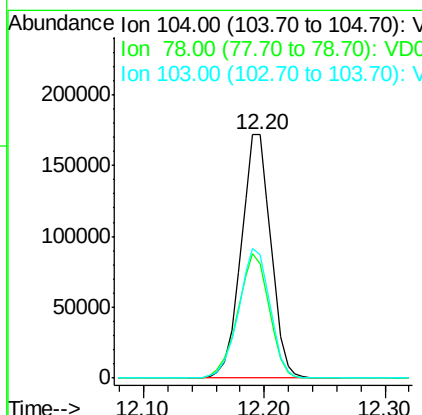
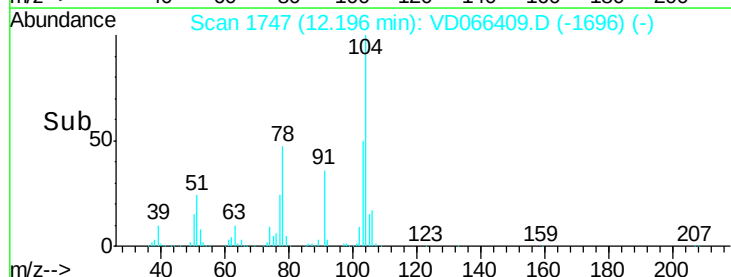
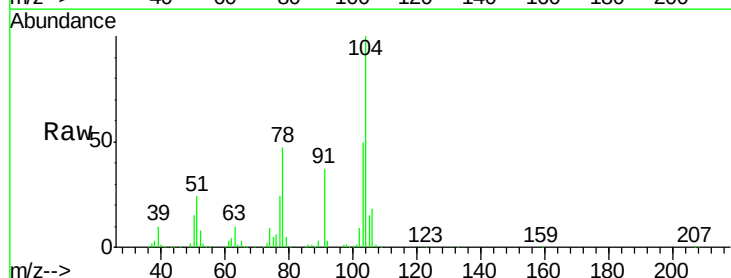
Manual Integrations
APPROVED

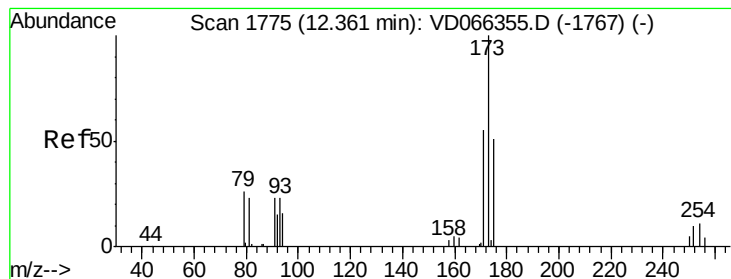
MMDadoda
8/26/2020 4:23:08 PM



#70
Styrene
Concen: 50.705 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		295246		
78	53.8	41.7	62.5		
103	56.1	43.5	65.3		





#71

Bromoform

Concen: 54.784 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

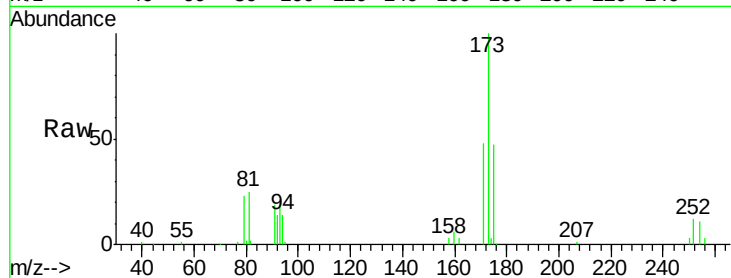
ClientSampleId :

VSTDCCC050EC

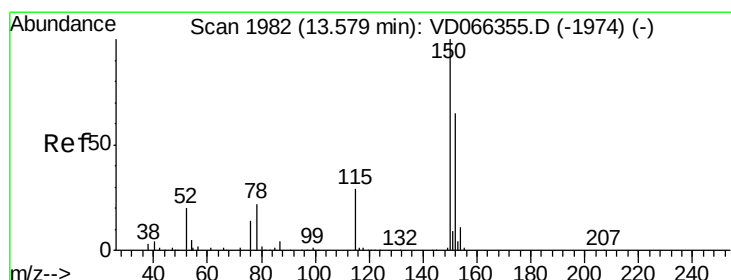
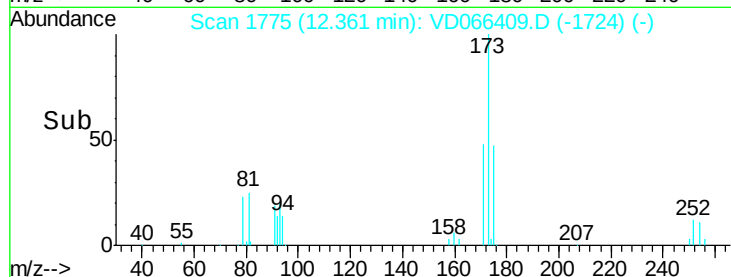
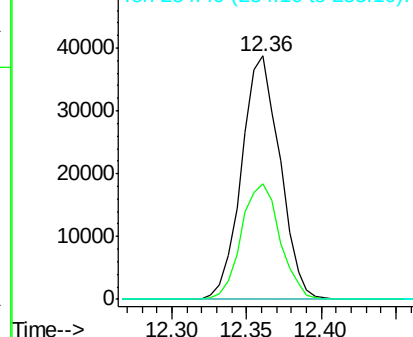
Tot Ion:	173	Resp:	69011
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 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

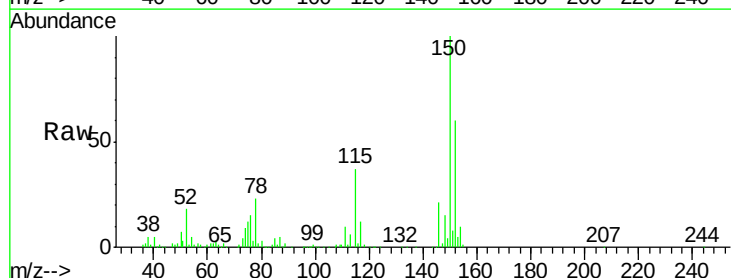
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

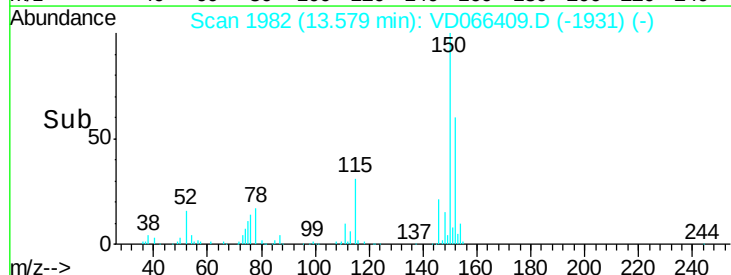
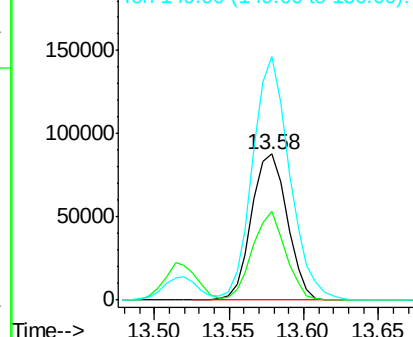
Lab File: VD066409.D

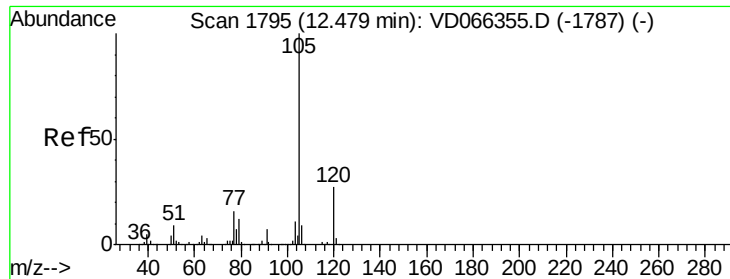
Acq: 25 Aug 2020 18:25

Tgt Ion:	152	Resp:	145327
Ion Ratio	Lower	Upper	
152	100		
115	56.4	28.3	85.0
150	172.1	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: 47.556 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 462973

Ion Ratio Lower Upper

105 100

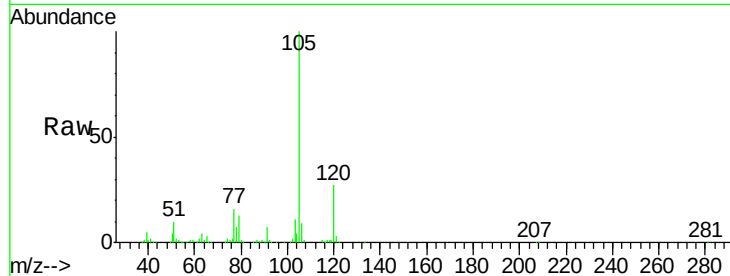
120 26.3 13.6 40.8

Manual Integrations

APPROVED

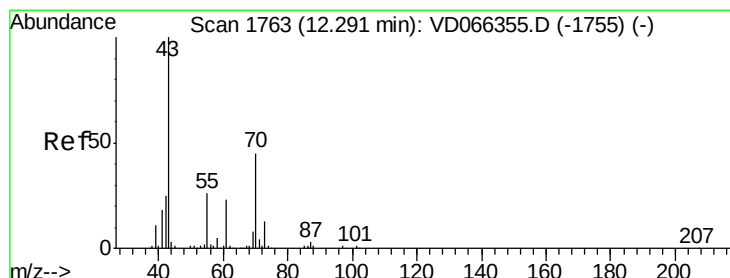
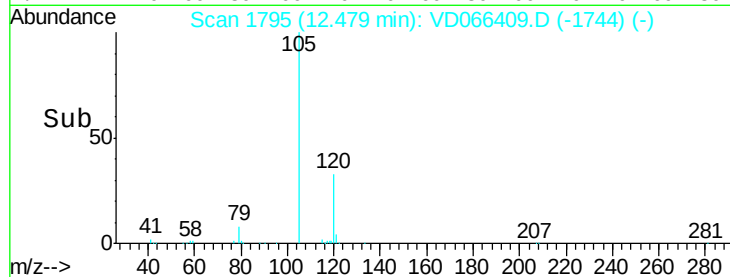
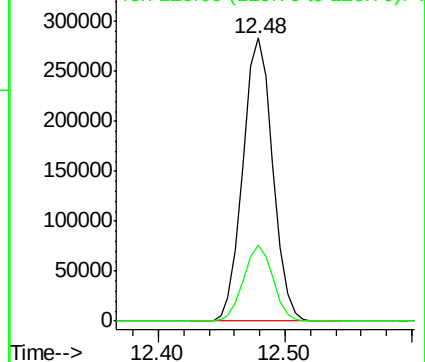
MMDadoda

8/26/2020 4:23:08 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: 53.051 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion: 43 Resp: 93280

Ion Ratio Lower Upper

43 100

70 44.1 34.8 52.2

55 24.2 20.3 30.5

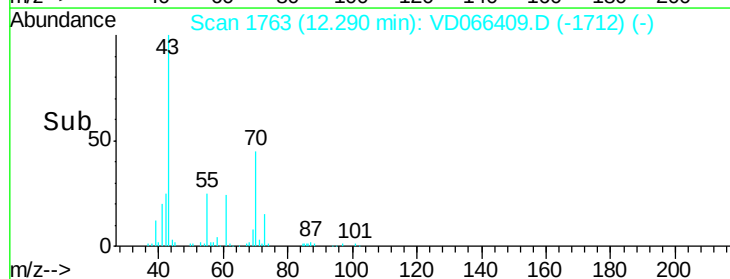
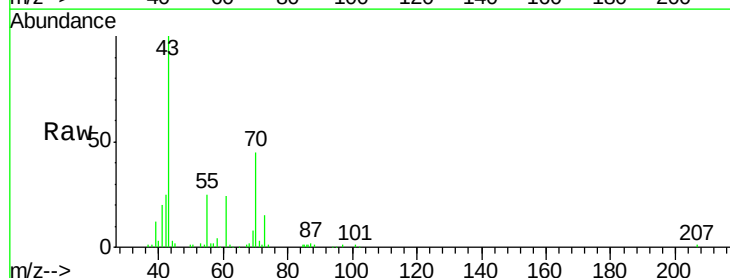
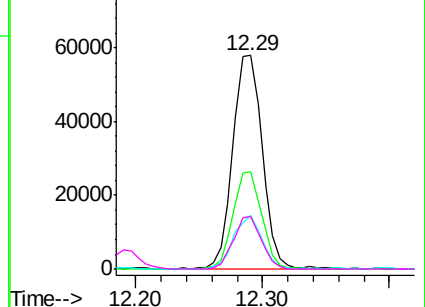
61 23.2 19.0 28.6

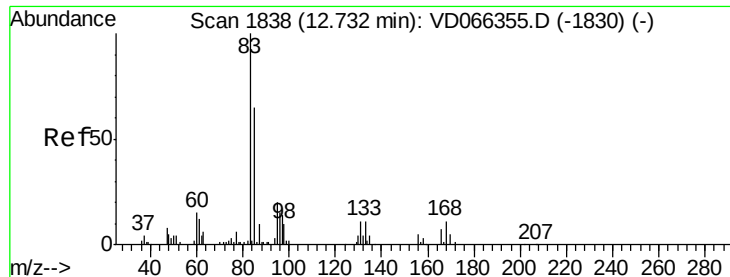
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.821 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

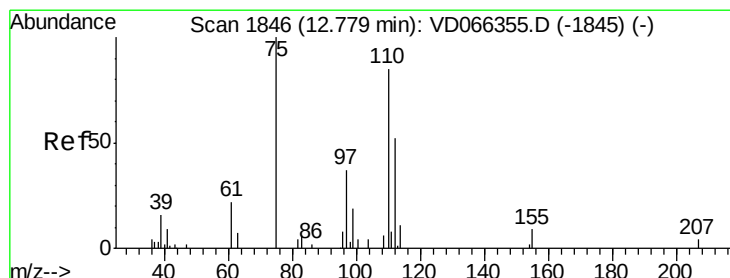
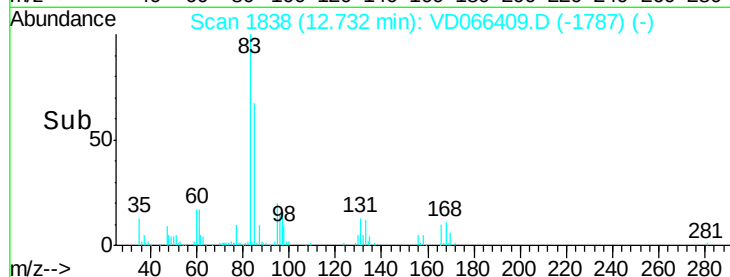
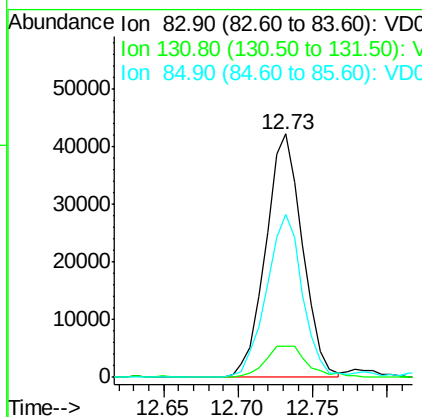
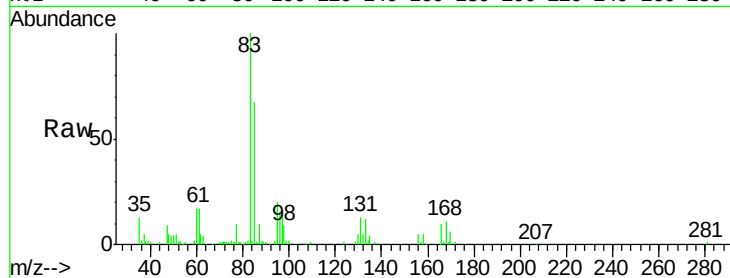
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	72069
Ion Ratio	Lower	Upper	
83	100		
131	14.8	7.0	20.9
85	65.9	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM



#76

1,2,3-Trichloropropane

Concen: 47.157 ug/l m

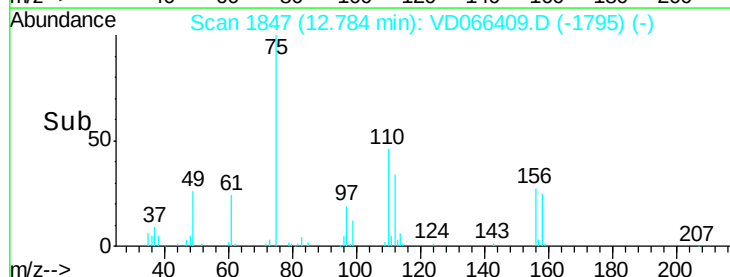
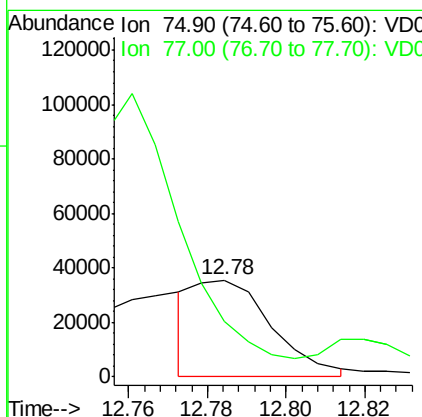
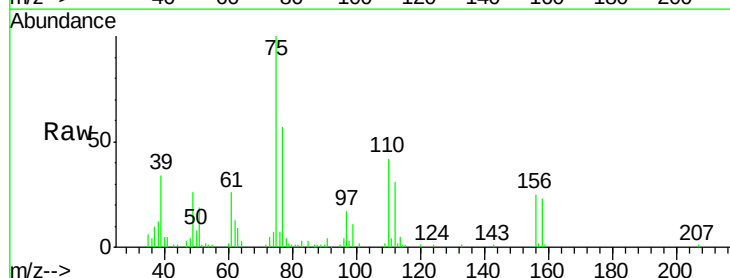
RT: 12.78 min Scan# 1847

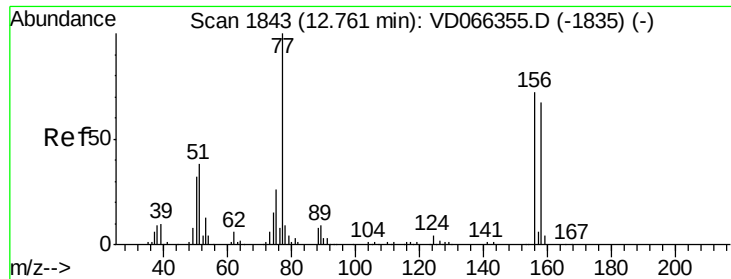
Delta R.T. 0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion:	75	Resp:	48212
Ion Ratio	Lower	Upper	
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 49.552 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

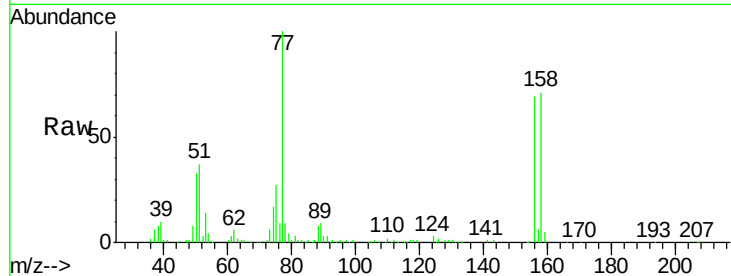
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.5	76.1	228.3
158	98.1	47.6	142.9

Manual Integrations
APPROVED

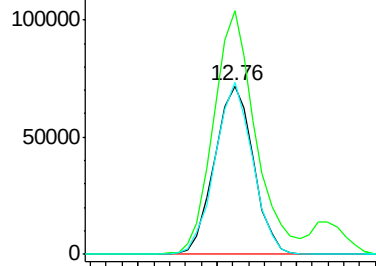
MMDadoda
8/26/2020 4:23:08 PM



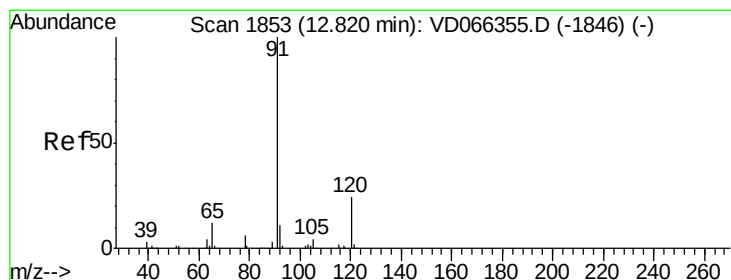
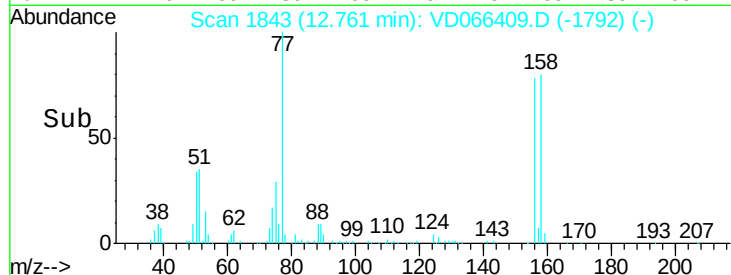
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 45.770 ug/l

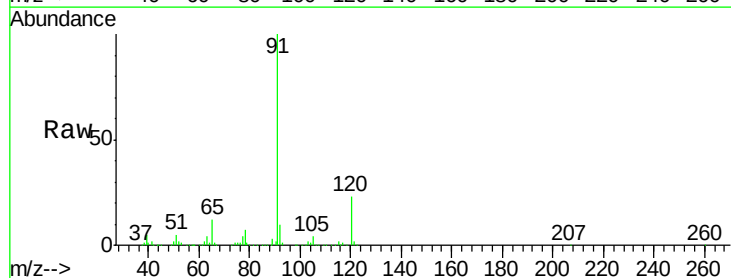
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066409.D

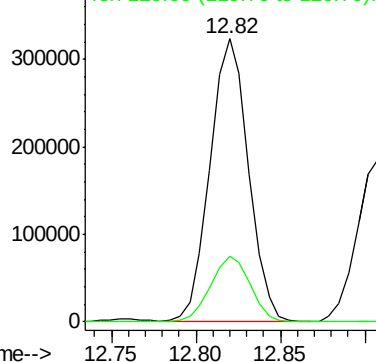
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0

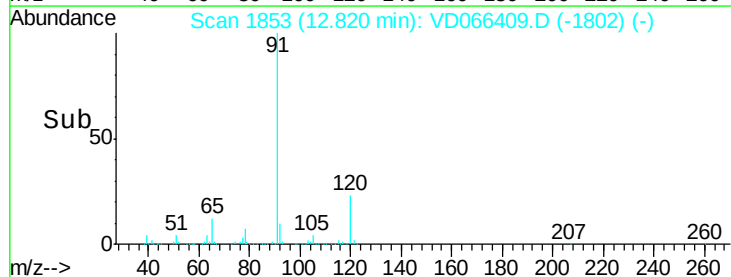


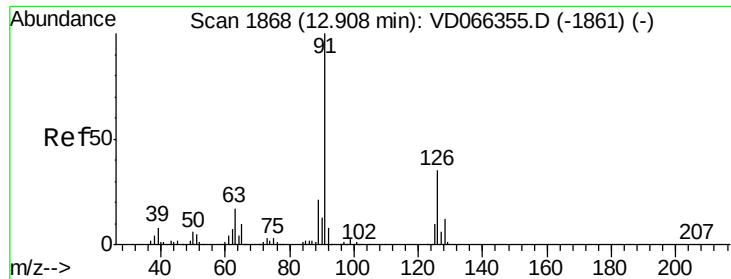
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 48.331 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 308130

Ion Ratio Lower Upper

91 100

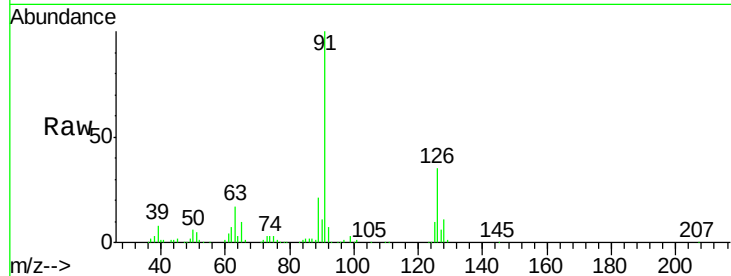
126 35.3 17.7 53.1

Manual Integrations

APPROVED

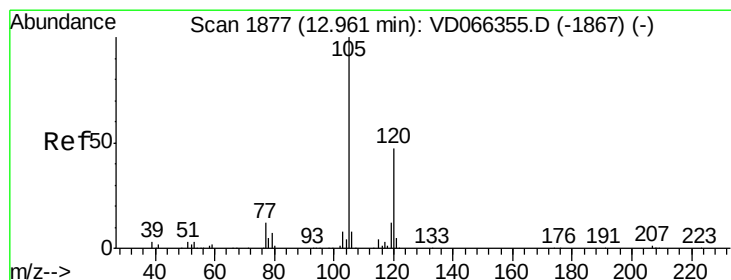
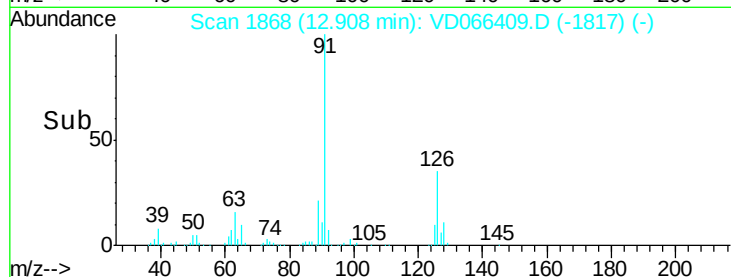
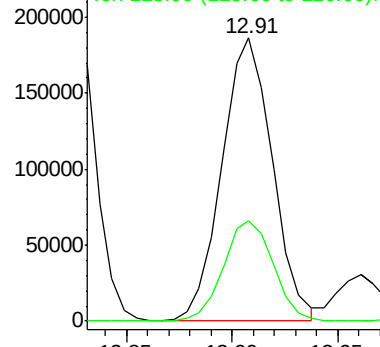
MMDadoda

8/26/2020 4:23:08 PM



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.245 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066409.D

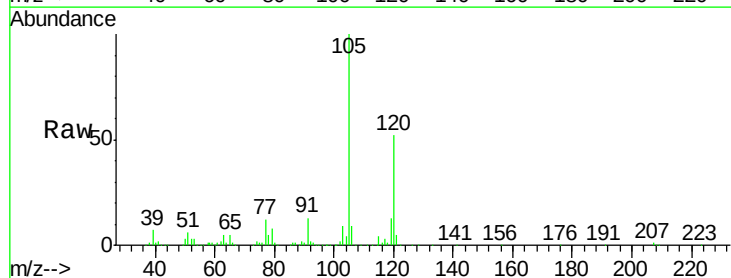
Acq: 25 Aug 2020 18:25

Tgt Ion:105 Resp: 397127

Ion Ratio Lower Upper

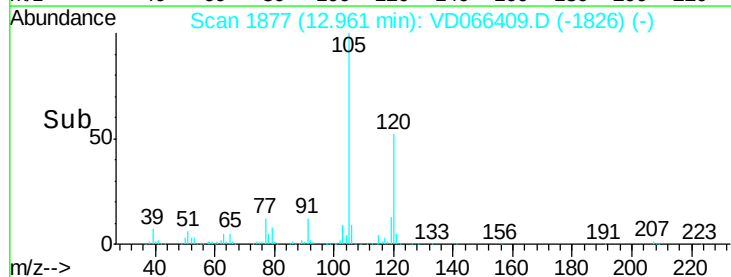
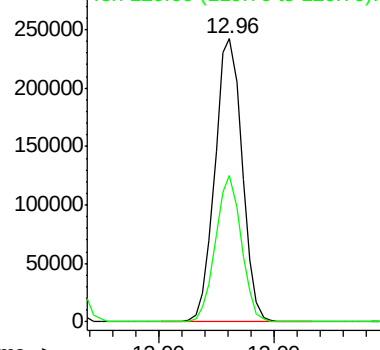
105 100

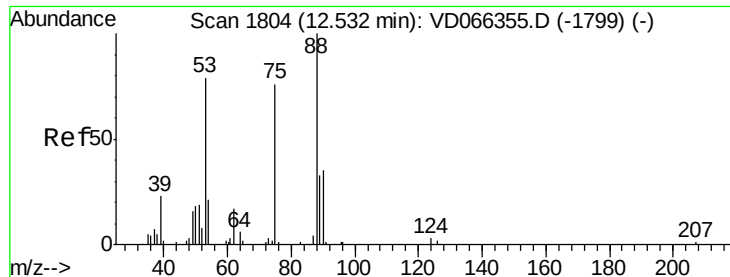
120 48.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.621 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

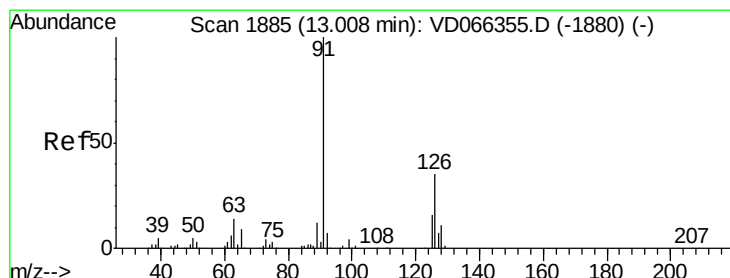
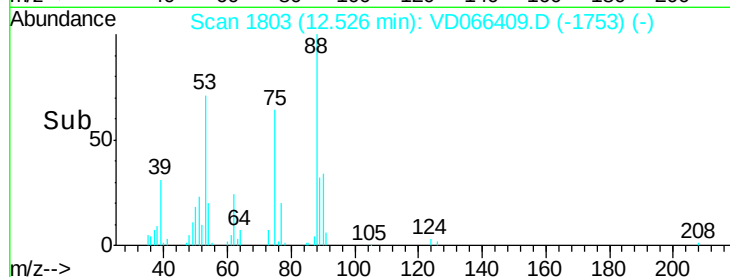
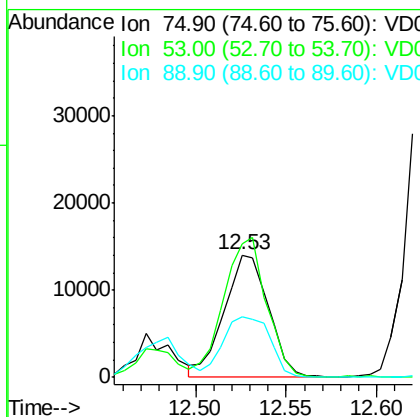
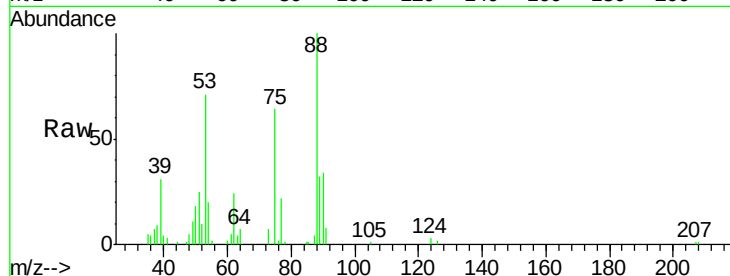
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	23900
Ion	Ratio	Lower	Upper
75	100		
53	110.5	87.4	131.2
89	52.8	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM



#82

4-Chlorotoluene

Concen: 48.337 ug/l

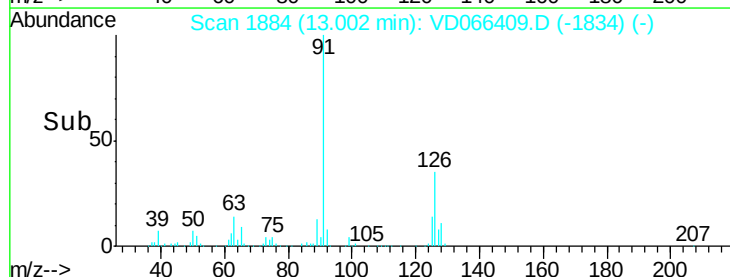
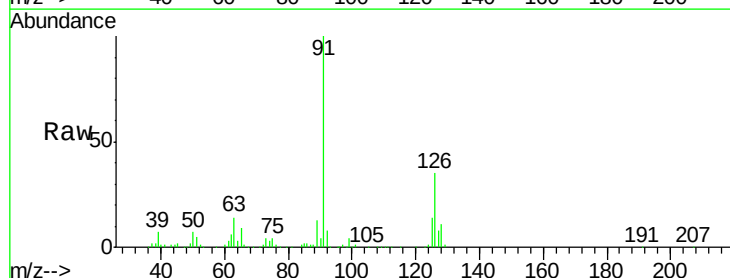
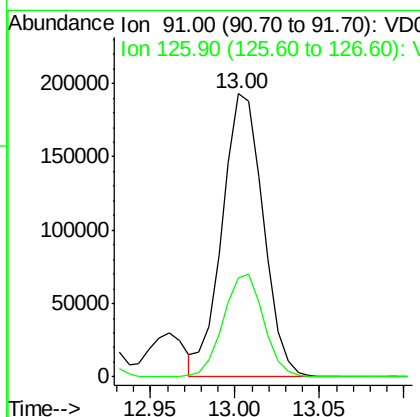
RT: 13.00 min Scan# 1884

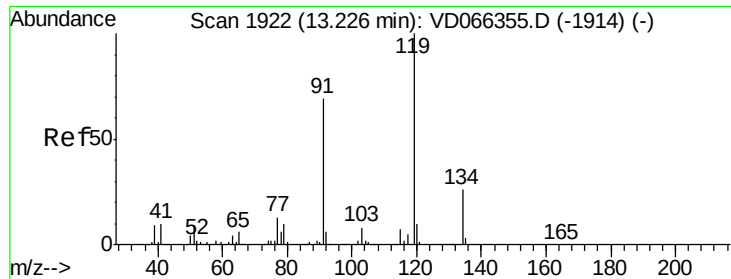
Delta R.T. -0.01 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Tgt Ion:	91	Resp:	326497
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.2





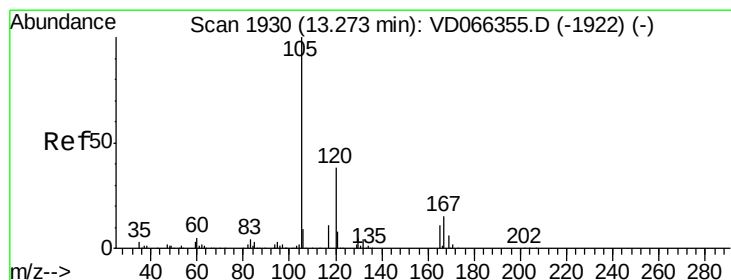
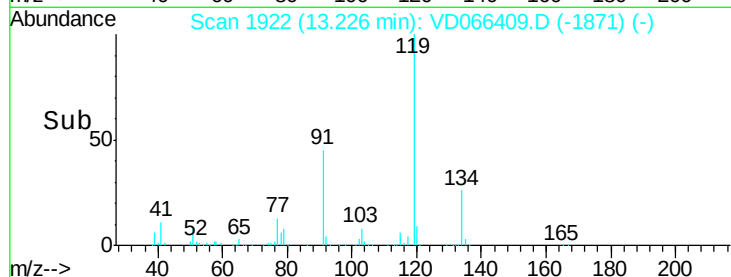
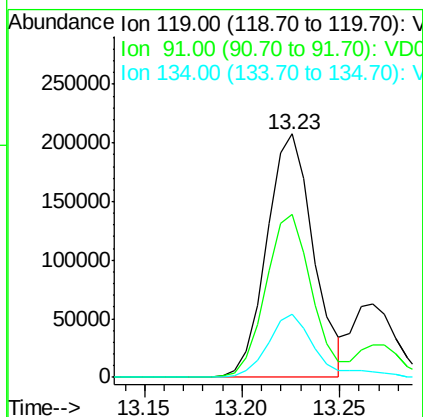
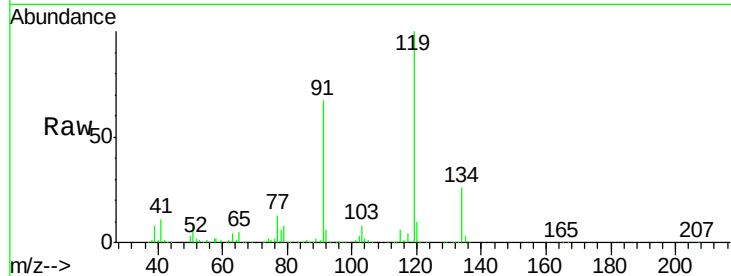
#83
 tert-Butylbenzene
 Concen: 47.018 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	343281		
91	66.9		33.5	100.5
134	26.9		13.5	40.4

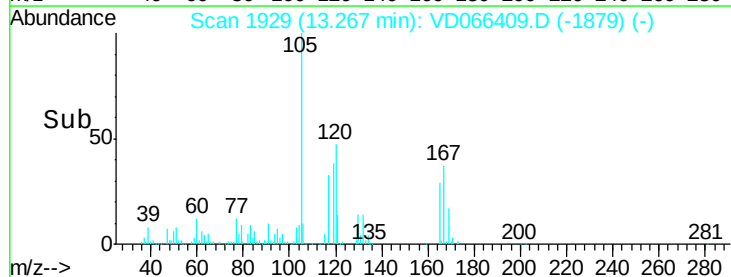
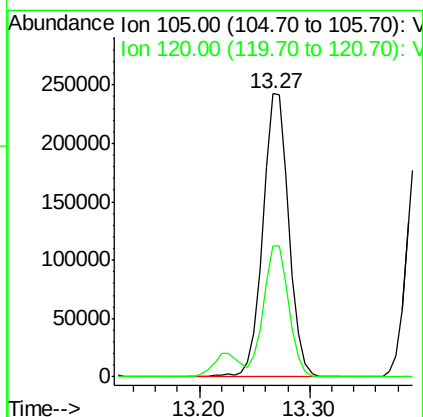
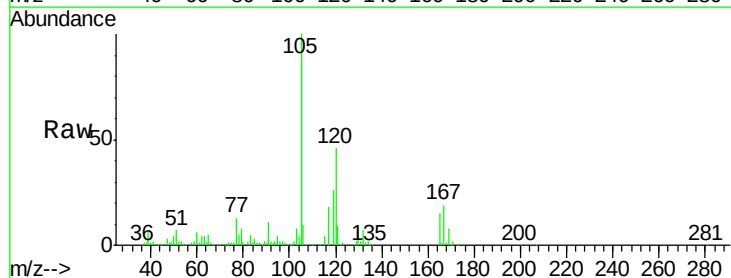
Manual Integrations
 APPROVED

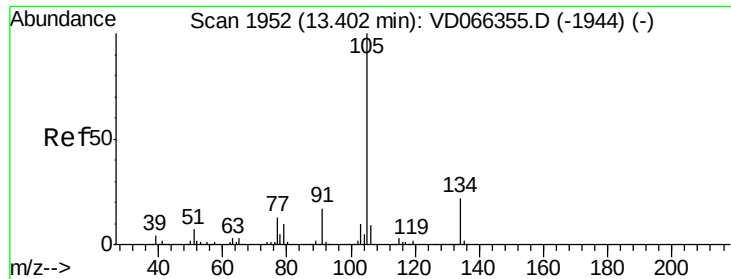
MMDadoda
 8/26/2020 4:23:08 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.323 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398956		
120	45.0		22.6	67.7





#85

sec-Butylbenzene

Concen: 45.553 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 435748

Ion Ratio Lower Upper

105 100

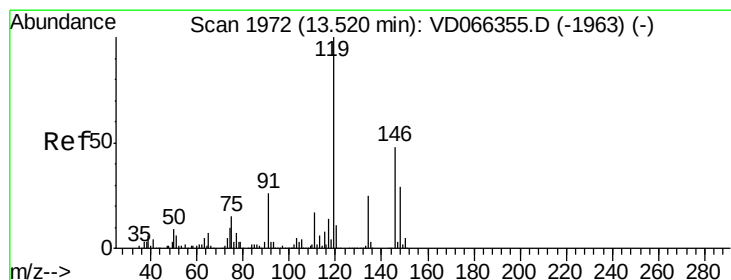
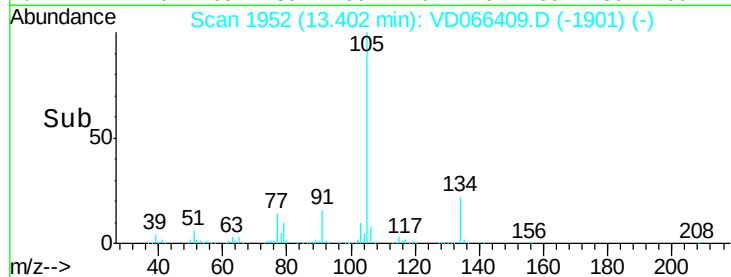
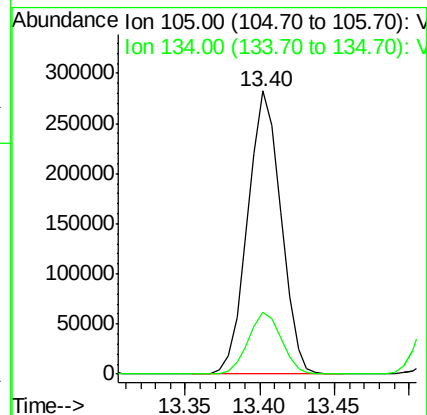
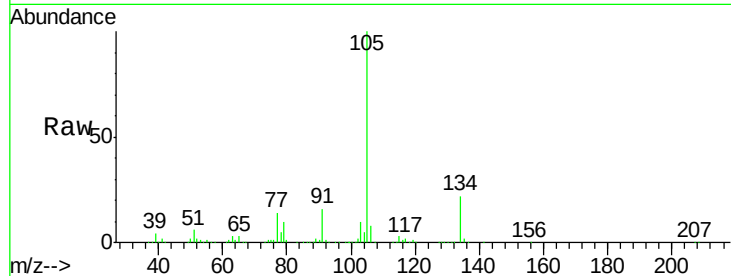
134 21.8 10.8 32.4

Manual Integrations

APPROVED

MMDadoda

8/26/2020 4:23:08 PM



#86

p-Isopropyltoluene

Concen: 47.083 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066409.D

Acq: 25 Aug 2020 18:25

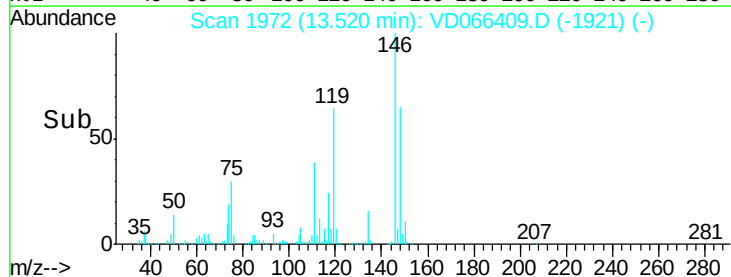
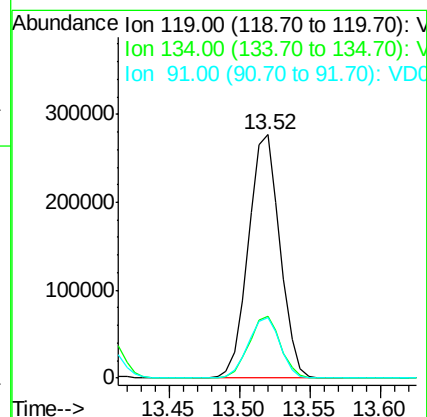
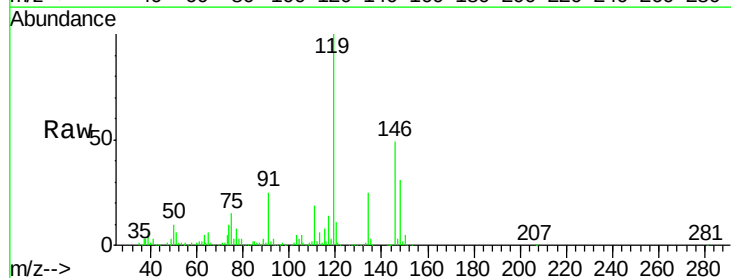
Tgt Ion:119 Resp: 434283

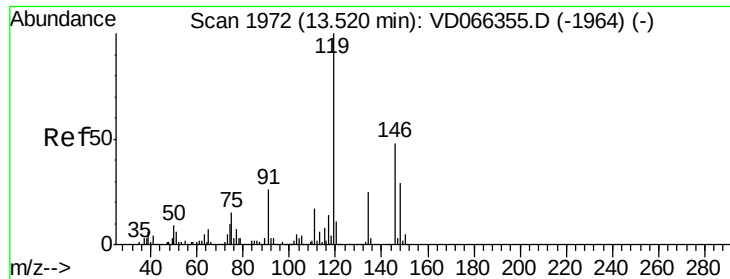
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 25.0 12.7 38.0





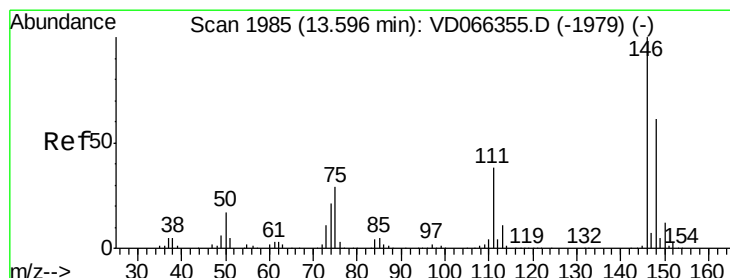
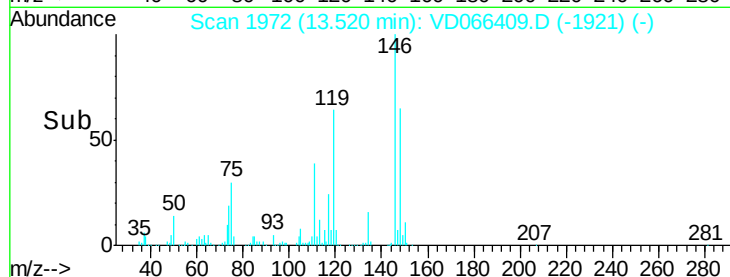
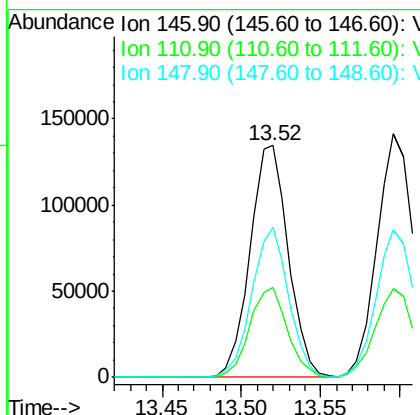
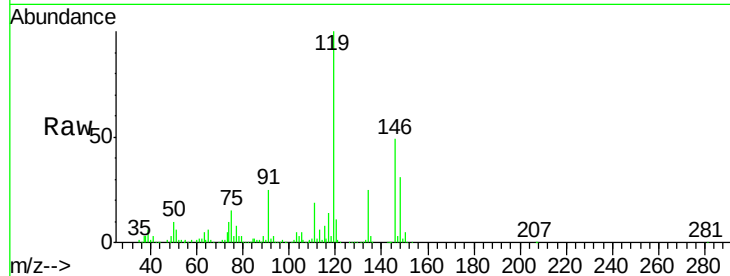
#87
 1,3-Dichlorobenzene
 Concen: 48.911 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.9
148	62.5	31.8	95.3

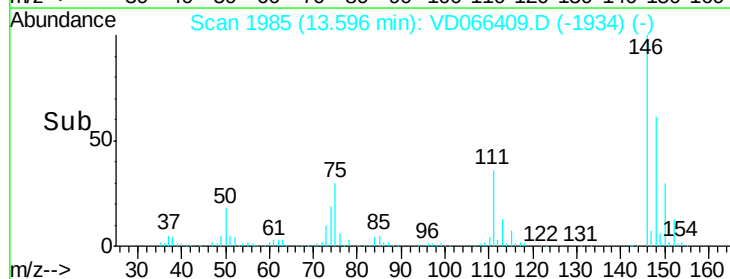
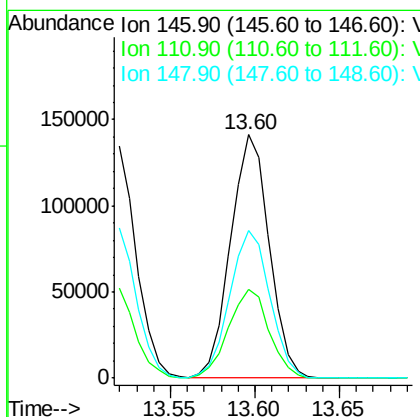
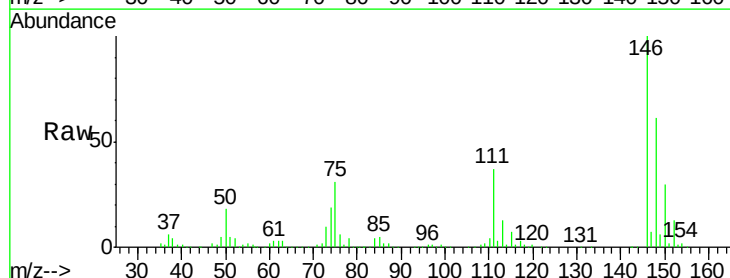
Manual Integrations
 APPROVED

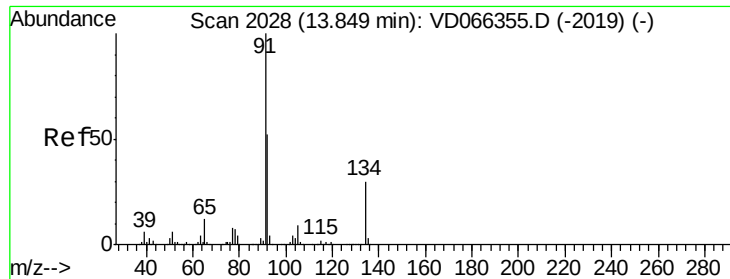
MMDadoda
 8/26/2020 4:23:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.695 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.0	32.1	96.3





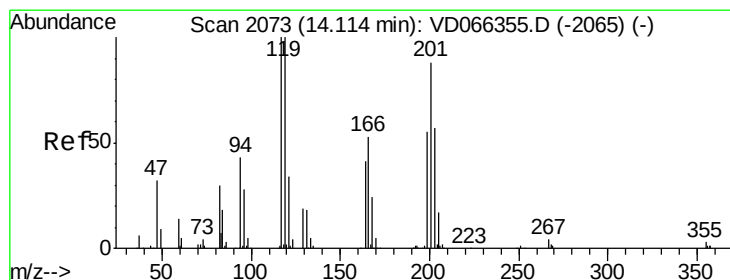
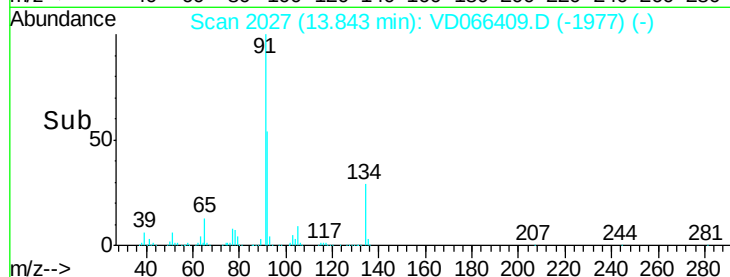
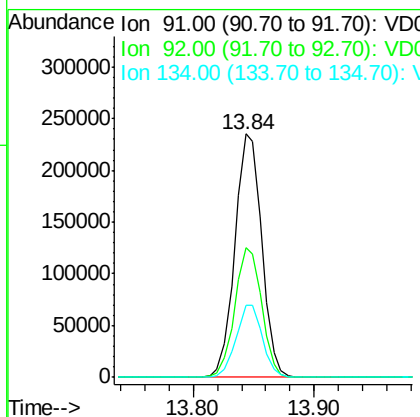
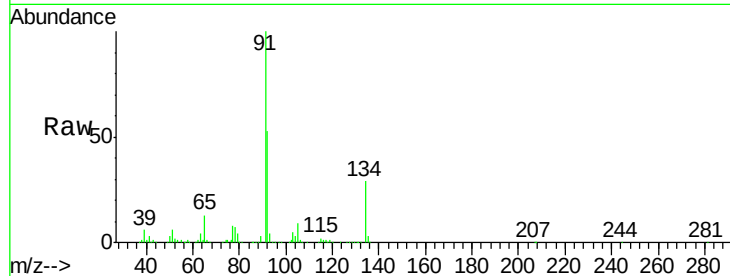
#89
n-Butylbenzene
Concen: 44.735 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.0
134	29.1	14.4	43.4

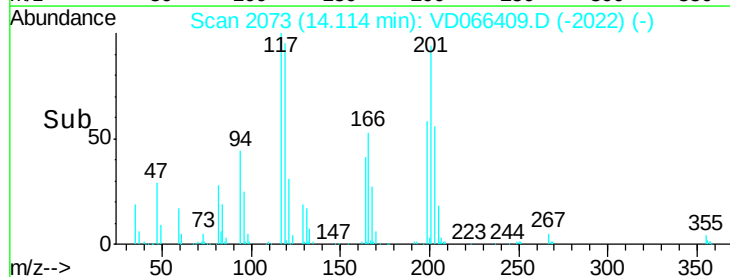
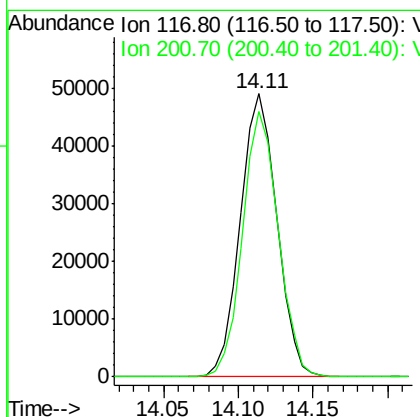
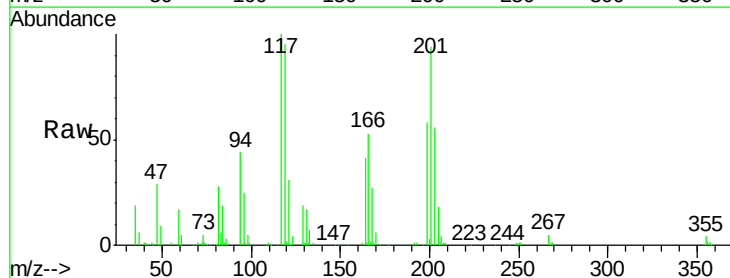
Manual Integrations
APPROVED

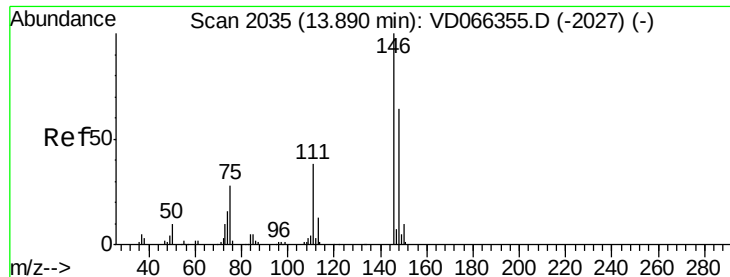
MMDadoda
8/26/2020 4:23:08 PM



#90
Hexachloroethane
Concen: 45.874 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	45.4	136.2





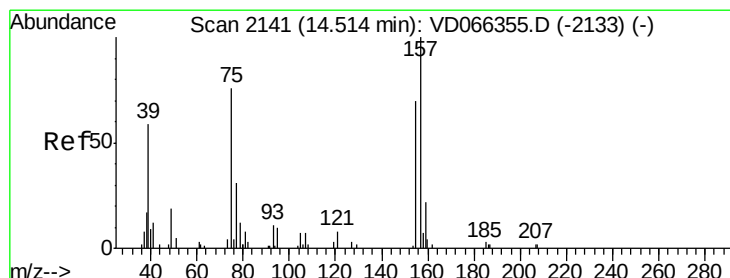
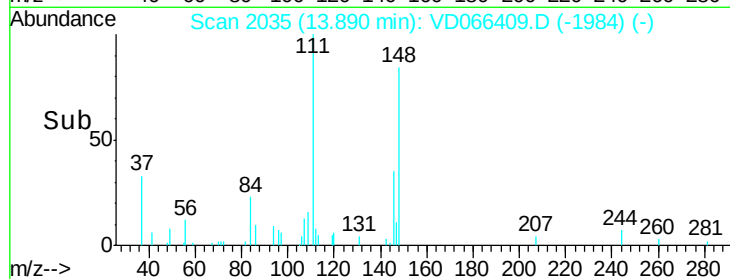
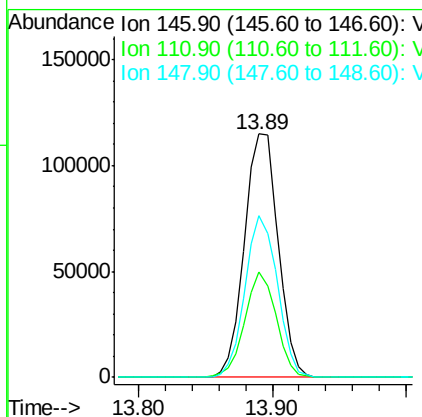
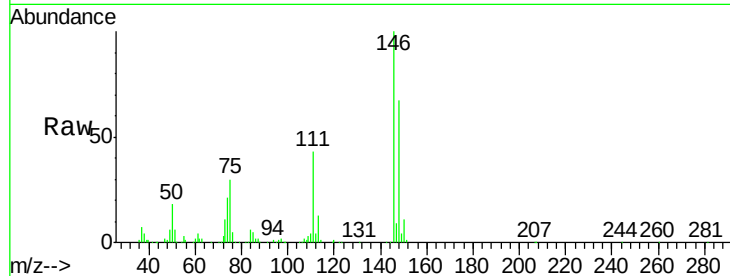
#91
 1,2-Dichlorobenzene
 Concen: 50.480 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	200442
Ion Ratio	Lower	Upper	
146	100		
111	40.3	19.9	59.7
148	63.8	32.6	97.8

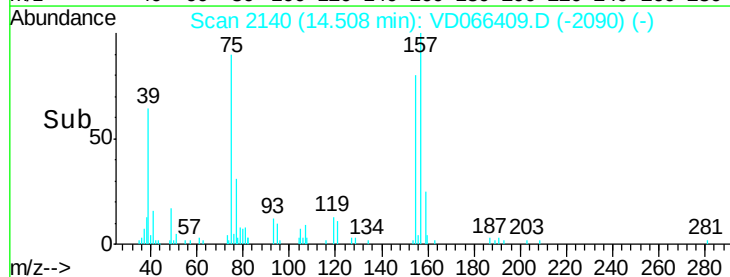
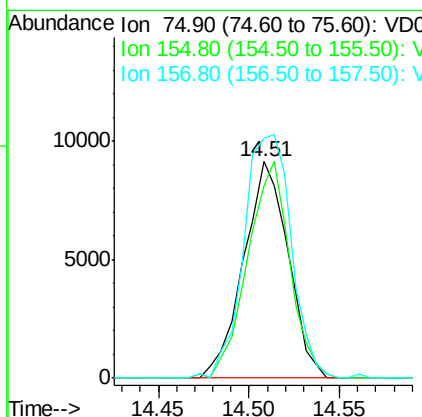
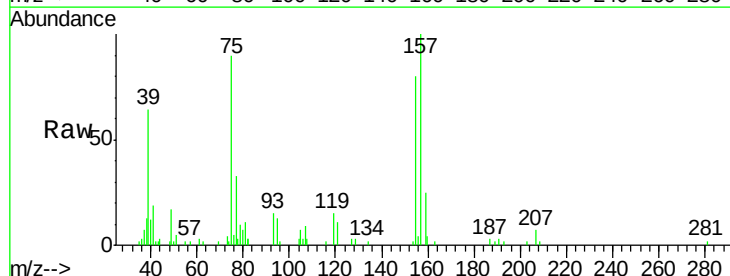
Manual Integrations
 APPROVED

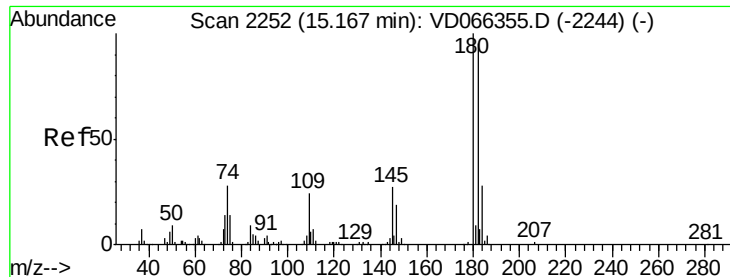
MMDadoda
 8/26/2020 4:23:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.448 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion:	75	Resp:	15590
Ion Ratio	Lower	Upper	
75	100		
155	95.0	46.9	140.6
157	119.9	61.0	183.0





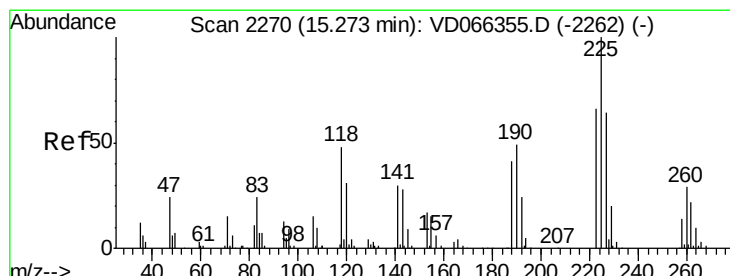
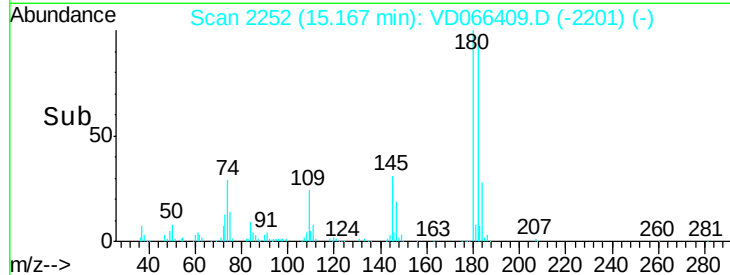
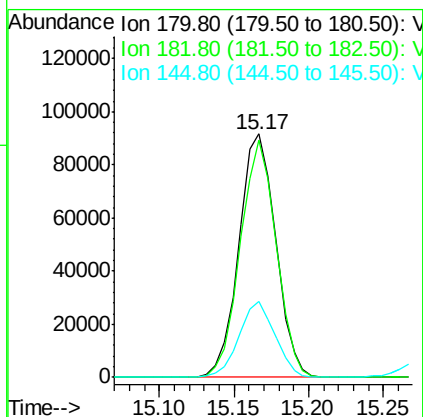
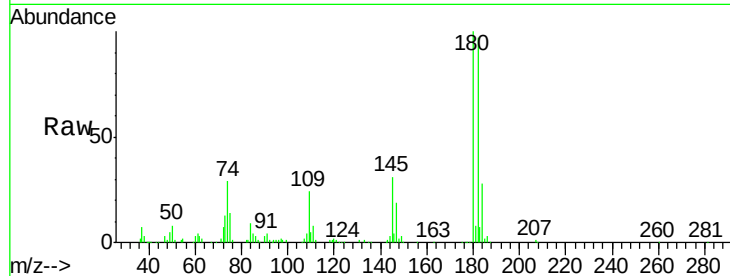
#93
 1,2,4-Trichlorobenzene
 Concen: 50.550 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	156700
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.0	144.0
145	30.6	15.2	45.6

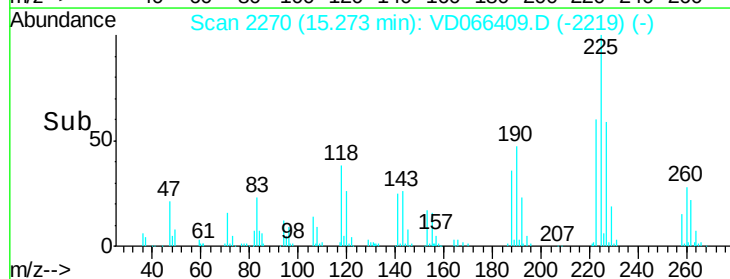
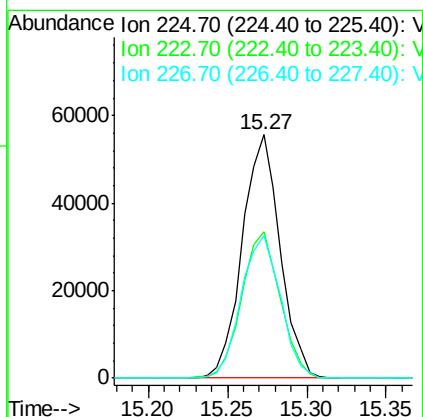
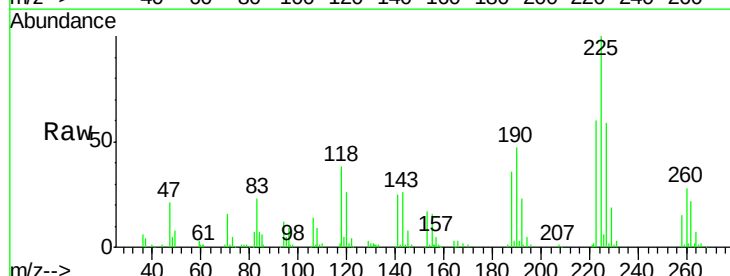
Manual Integrations
 APPROVED

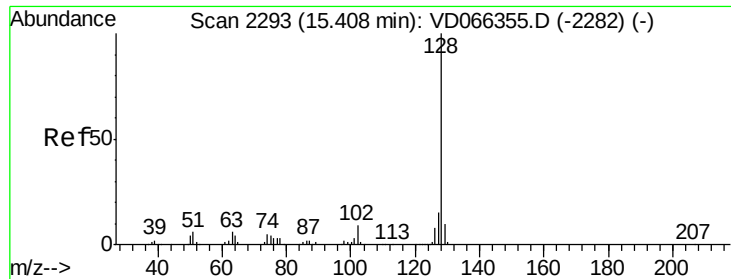
MMDadoda
 8/26/2020 4:23:08 PM



#94
 Hexachlorobutadiene
 Concen: 47.797 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066409.D
 Acq: 25 Aug 2020 18:25

Tgt Ion:	225	Resp:	92076
Ion Ratio	Lower	Upper	
225	100		
223	61.3	32.5	97.4
227	60.9	33.0	98.9





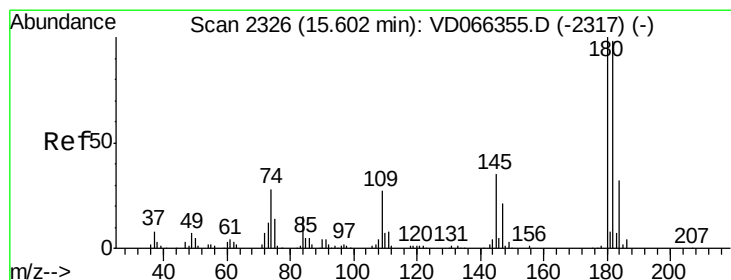
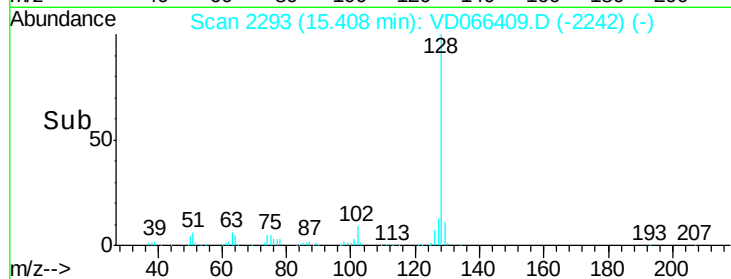
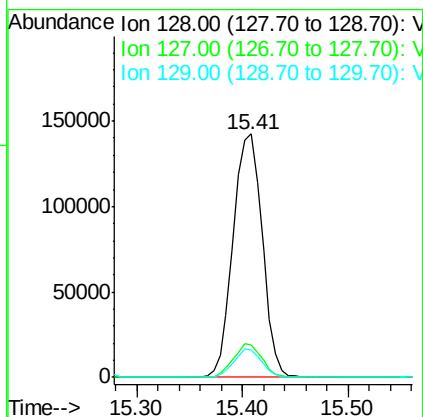
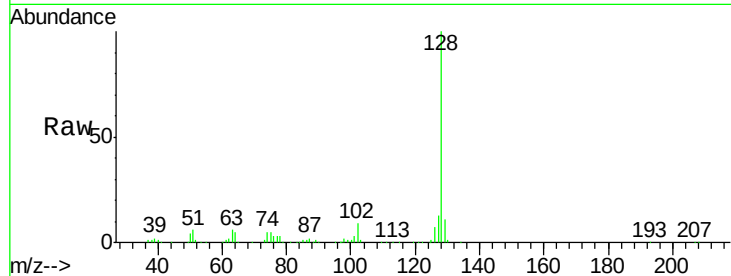
#95
Naphthalene
Concen: 55.985 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.359 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066409.D
Acq: 25 Aug 2020 18:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	46.7	140.0
145	33.3	16.0	48.0

