

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060792.D
 Acq On : 28 Jan 2019 15:42
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:31 PM

Quant Time: Jan 29 13:24:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	562560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	833391	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	671485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	343704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	92264	10.70	ug/l	0.00
Spiked Amount			Recovery	=	21.40%	
35) Dibromofluoromethane	6.68	113	78457	9.82	ug/l	0.00
Spiked Amount			Recovery	=	19.64%	
50) Toluene-d8	10.19	98	188517	10.10	ug/l	0.00
Spiked Amount			Recovery	=	20.20%	
62) 4-Bromofluorobenzene	13.36	95	95572	10.19	ug/l	0.00
Spiked Amount			Recovery	=	20.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	59092	8.639	ug/l	94
3) Chloromethane	1.77	50	39426	9.628	ug/l #	85
4) Vinyl Chloride	1.86	62	41210	9.481	ug/l #	89
5) Bromomethane	2.15	94	13826	9.472	ug/l	91
6) Chloroethane	2.25	64	16380	10.470	ug/l #	86
7) Trichlorofluoromethane	2.50	101	85704	10.016	ug/l	86
8) Diethyl Ether	2.80	74	12017	9.531	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.07	101	41668	9.609	ug/l	94
10) Methyl Iodide	3.22	142	38597	8.501	ug/l	92
11) Tert butyl alcohol	3.92	59	19913	48.314	ug/l	98
12) 1,1-Dichloroethene	3.05	96	28550	9.634	ug/l	95
13) Acrolein	2.97	56	10774	64.388	ug/l #	72
14) Allyl chloride	3.51	41	63685	9.235	ug/l	97
15) Acrylonitrile	4.06	53	48739	52.777	ug/l	94
16) Acetone	3.13	43	57379	46.240	ug/l	99
17) Carbon Disulfide	3.30	76	103377	9.848	ug/l	100
18) Methyl Acetate	3.53	43	21689	8.783	ug/l	97
19) Methyl tert-butyl Ether	4.08	73	130939	9.679	ug/l	98
20) Methylene Chloride	3.69	84	67510	10.632	ug/l	95
21) trans-1,2-Dichloroethene	4.06	96	54763	10.483	ug/l	94
22) Diisopropyl ether	4.90	45	173475	9.762	ug/l	94
23) Vinyl Acetate	4.84	43	515263	50.350	ug/l	100
24) 1,1-Dichloroethane	4.77	63	118896	10.220	ug/l	97
25) 2-Butanone	5.85	43	77312	48.490	ug/l	94
26) 2,2-Dichloropropane	5.80	77	119528	9.751	ug/l	97
27) cis-1,2-Dichloroethene	5.80	96	57006	9.581	ug/l	91
28) Bromochloromethane	6.21	49	45014	9.919	ug/l	88
29) Tetrahydrofuran	6.23	42	38330	50.061	ug/l	97
30) Chloroform	6.43	83	134398	9.774	ug/l	95
31) Cyclohexane	6.72	56	75366	9.522	ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	129609	9.788	ug/l	93
36) 1,1-Dichloropropene	6.91	75	98729	9.922	ug/l	98
37) Ethyl Acetate	5.96	43	42672	9.607	ug/l #	94
38) Carbon Tetrachloride	6.88	117	115520	9.258	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
 Data File : VD060792.D
 Acq On : 28 Jan 2019 15:42
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 4:55:31 PM

Quant Time: Jan 29 13:24:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 12:47:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	78364	9.404	ug/l	96
40) Benzene	7.22	78	180792	9.206	ug/l	100
41) Methacrylonitrile	6.22	41	23490m	8.042	ug/l	
42) 1,2-Dichloroethane	7.34	62	108596	9.518	ug/l	97
43) Isopropyl Acetate	9.01	43	49623	8.566	ug/l #	87
44) Trichloroethene	8.31	130	59553	8.945	ug/l	93
45) 1,2-Dichloropropane	8.71	63	49360	9.285	ug/l	92
46) Dibromomethane	8.83	93	37788	9.156	ug/l	99
47) Bromodichloromethane	9.14	83	95678	8.589	ug/l	99
48) Methyl methacrylate	8.89	41	35381	8.856	ug/l	97
49) 1,4-Dioxane	8.86	88	5054	163.172	ug/l #	89
51) 4-Methyl-2-Pentanone	10.08	43	163968	43.705	ug/l	99
52) Toluene	10.29	92	121846	9.781	ug/l	94
53) t-1,3-Dichloropropene	10.69	75	95062	9.702	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	91065	9.063	ug/l	97
55) 1,1,2-Trichloroethane	10.98	97	40175	9.459	ug/l	93
56) Ethyl methacrylate	10.83	69	48925	9.509	ug/l	91
57) 1,3-Dichloropropane	11.19	76	68375	9.420	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.63	63	137437	50.910	ug/l	99
59) 2-Hexanone	11.32	43	139062	49.297	ug/l	95
60) Dibromochloromethane	11.47	129	71506	9.365	ug/l	99
61) 1,2-Dibromoethane	11.60	107	48662	9.728	ug/l	98
64) Tetrachloroethene	11.03	164	59087	9.588	ug/l	98
65) Chlorobenzene	12.19	112	149317	9.731	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	65012	9.861	ug/l	93
67) Ethyl Benzene	12.31	91	274328	9.942	ug/l	100
68) m/p-Xylenes	12.46	106	171300	19.082	ug/l	98
69) o-Xylene	12.85	106	88632	9.975	ug/l	94
70) Styrene	12.87	104	147975	9.931	ug/l	100
71) Bromoform	13.03	173	42302	8.516	ug/l	99
73) Isopropylbenzene	13.20	105	271770	9.917	ug/l	98
74) N-amyl acetate	13.06	43	75986	9.020	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	43610	8.740	ug/l	94
76) 1,2,3-Trichloropropane	13.54	75	58091	9.217	ug/l	98
77) Bromobenzene	13.47	156	69275	9.834	ug/l	92
78) n-propylbenzene	13.57	91	324825	9.442	ug/l	99
79) 2-Chlorotoluene	13.64	91	198947	9.482	ug/l	99
80) 1,3,5-Trimethylbenzene	14.04	105	220770	9.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.27	75	14031	8.539	ug/l	94
82) 4-Chlorotoluene	13.74	91	213880	9.171	ug/l	88
83) tert-Butylbenzene	13.99	119	222733	9.024	ug/l	98
84) 1,2,4-Trimethylbenzene	14.04	105	220770	9.358	ug/l	100
85) sec-Butylbenzene	14.17	105	280491	9.983	ug/l	97
86) p-Isopropyltoluene	14.29	119	234656	10.287	ug/l	96
87) 1,3-Dichlorobenzene	14.25	146	119209	9.461	ug/l	97
88) 1,4-Dichlorobenzene	14.34	146	121560	9.930	ug/l	99
89) n-Butylbenzene	14.60	91	239138	10.048	ug/l	98
90) Hexachloroethane	14.81	117	64949	9.568	ug/l	98
91) 1,2-Dichlorobenzene	14.61	146	104446	9.987	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.18	75	10044	8.473	ug/l #	48

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\
Data File : VD060792.D
Acq On : 28 Jan 2019 15:42
Operator : JC/SY
Sample : VSTDICC010
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

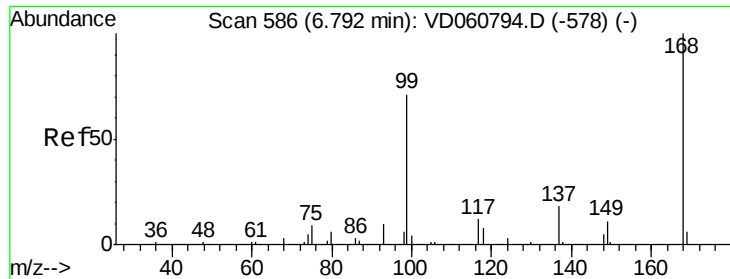
Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM

Quant Time: Jan 29 13:24:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 29 12:47:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	87649	9.679	ug/l	97
94) Hexachlorobutadiene	15.84	225	64577	9.504	ug/l	97
95) Naphthalene	15.93	128	114299	8.215	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	77855	9.887	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 562560

Ion Ratio Lower Upper

168 100

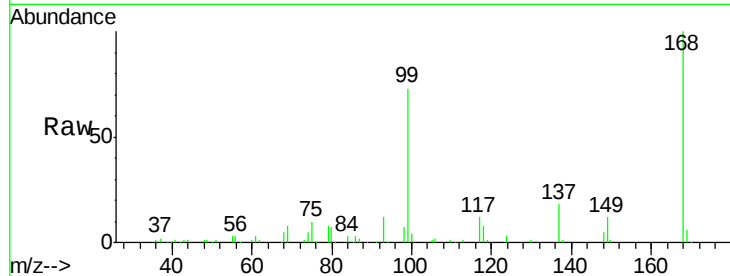
99 73.3 59.2 88.8

Manual Integrations

APPROVED

MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.80

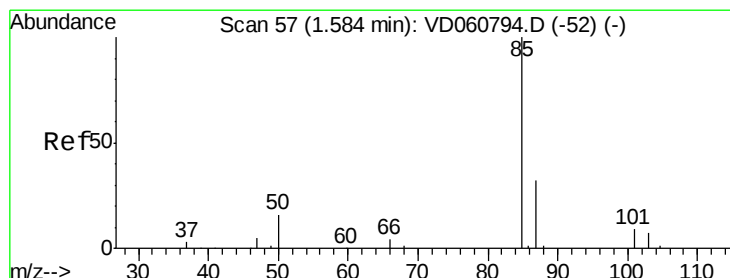
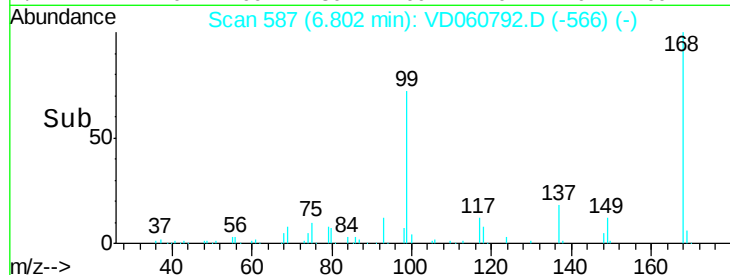
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 8.639 ug/l

RT: 1.59 min Scan# 58

Delta R.T. 0.01 min

Lab File: VD060792.D

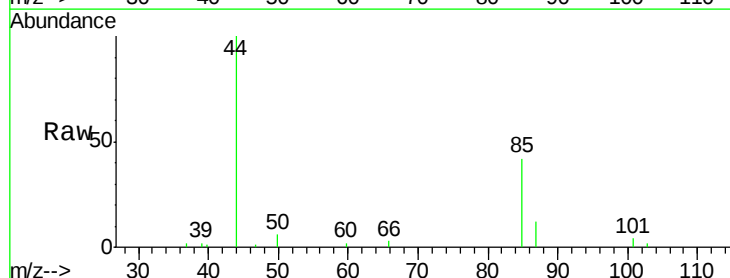
Acq: 28 Jan 2019 15:42

Tgt Ion: 85 Resp: 59092

Ion Ratio Lower Upper

85 100

87 28.9 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

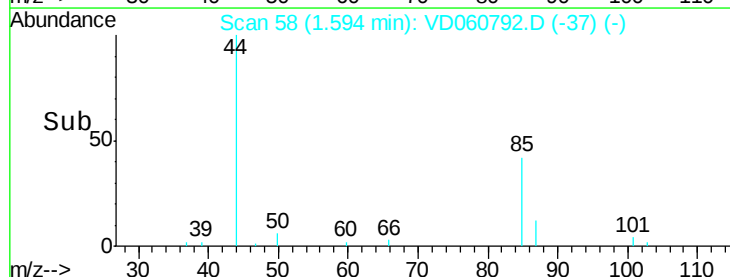
15000

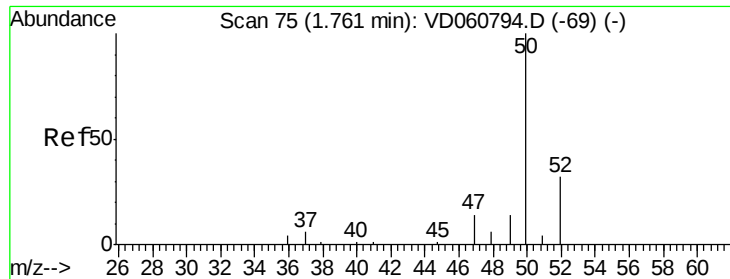
10000

5000

0

Time-->





#3

Chloromethane

Concen: 9.628 ug/l

RT: 1.77 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 39426

Ion Ratio Lower Upper

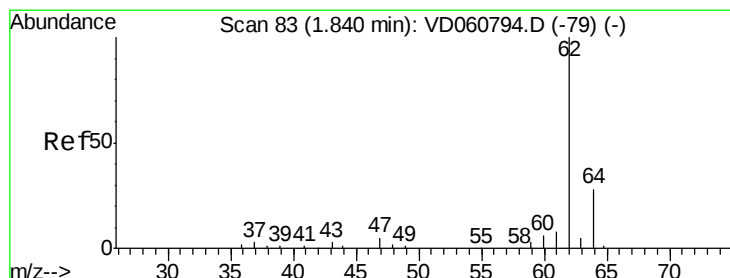
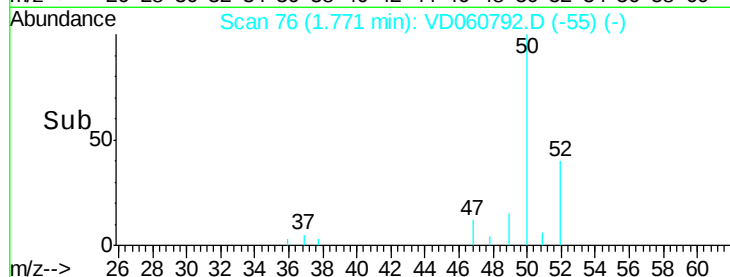
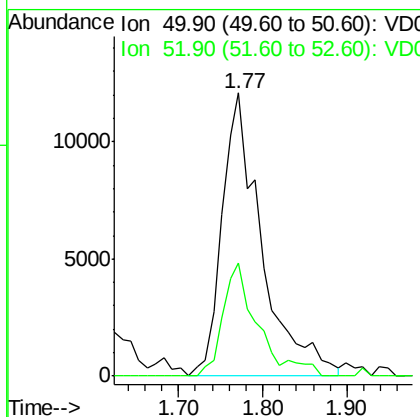
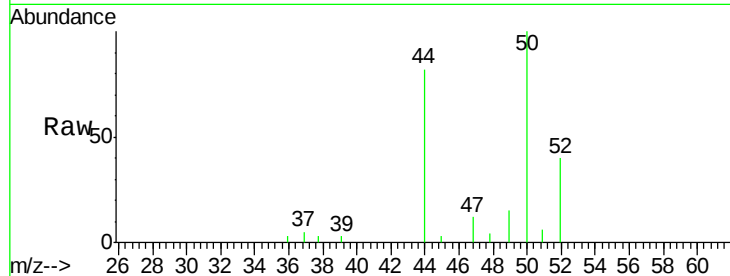
50 100

52 40.0 25.2 37.8#

Manual Integrations
APPROVED

MMDadoda

1/29/2019 4:55:31 PM



#4

Vinyl Chloride

Concen: 9.481 ug/l

RT: 1.86 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD060792.D

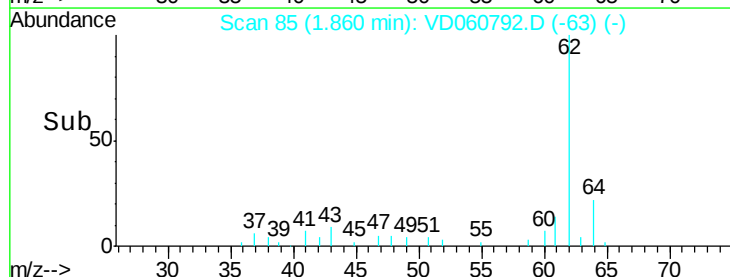
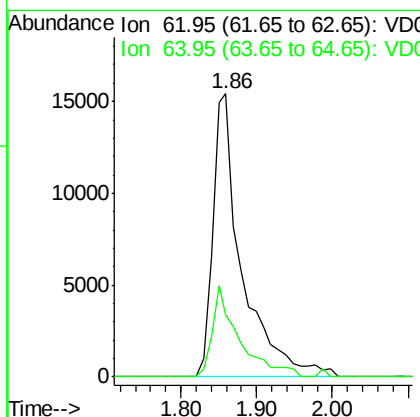
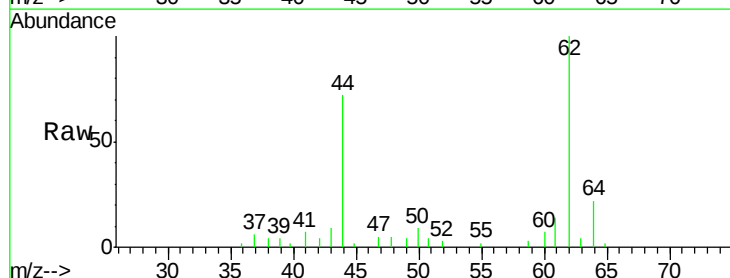
Acq: 28 Jan 2019 15:42

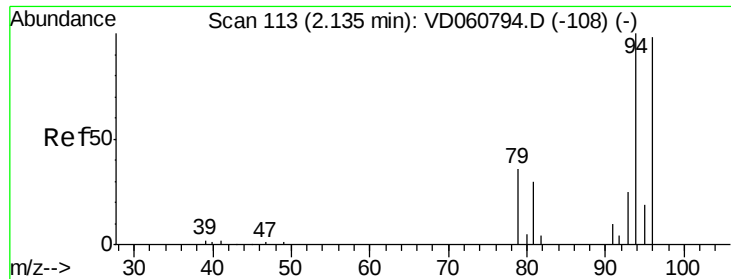
Tgt Ion: 62 Resp: 41210

Ion Ratio Lower Upper

62 100

64 21.8 22.1 33.1#





#5

Bromomethane

Concen: 9.472 ug/l

RT: 2.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 13826

Ion Ratio Lower Upper

94 100

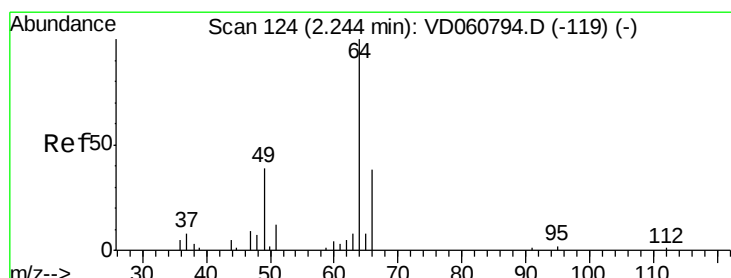
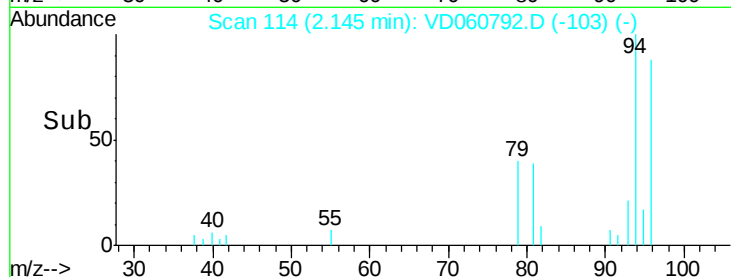
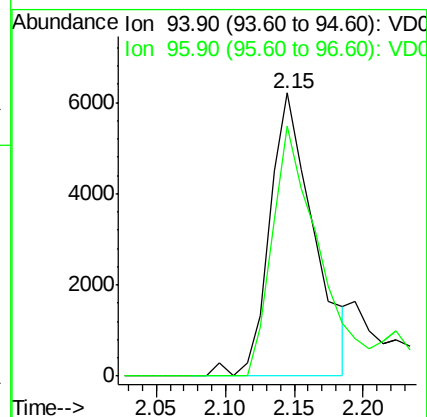
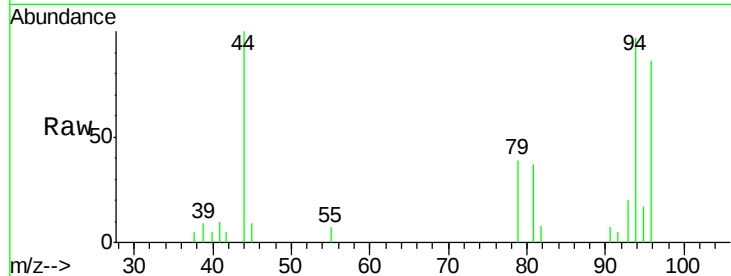
96 88.3 78.0 117.0

Manual Integrations

APPROVED

MMDadoda

1/29/2019 4:55:31 PM



#6

Chloroethane

Concen: 10.470 ug/l

RT: 2.25 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD060792.D

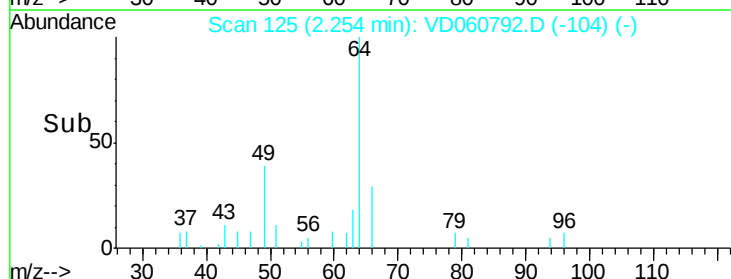
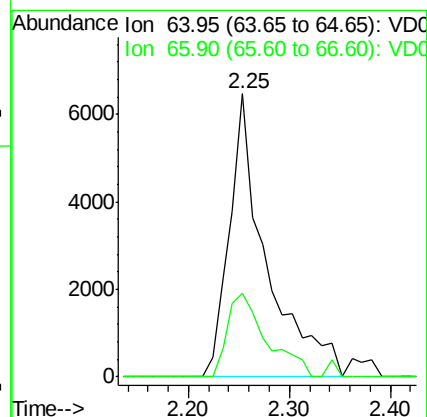
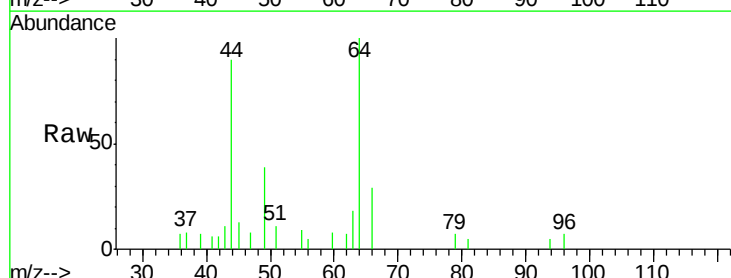
Acq: 28 Jan 2019 15:42

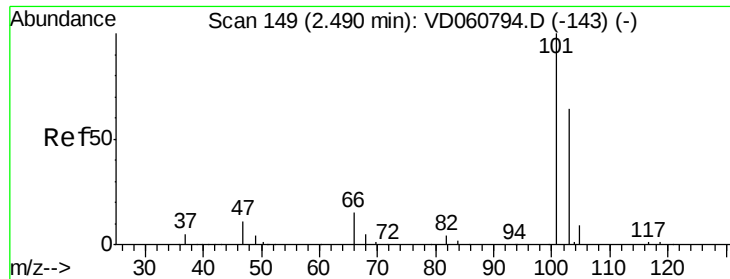
Tgt Ion: 64 Resp: 16380

Ion Ratio Lower Upper

64 100

66 29.4 30.2 45.4#





#7

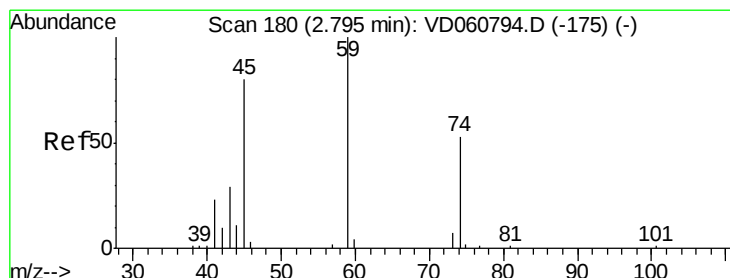
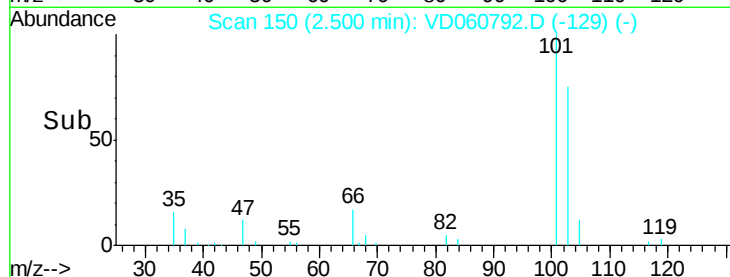
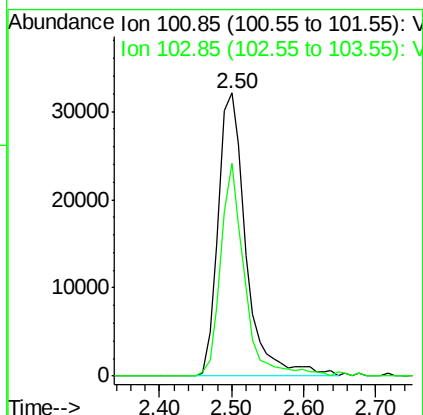
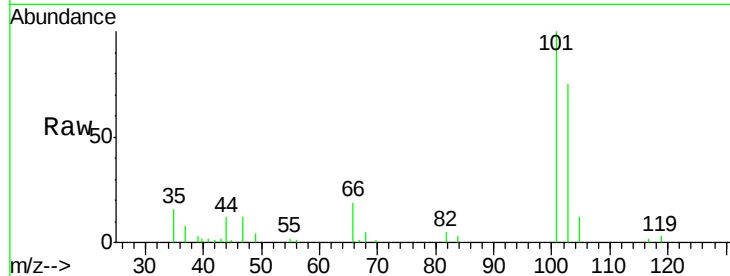
Trichlorofluoromethane
Concen: 10.016 ug/l
RT: 2.50 min Scan# 150
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:101 Resp: 85704
Ion Ratio Lower Upper
101 100
103 75.2 51.3 76.9

Manual Integrations
APPROVED

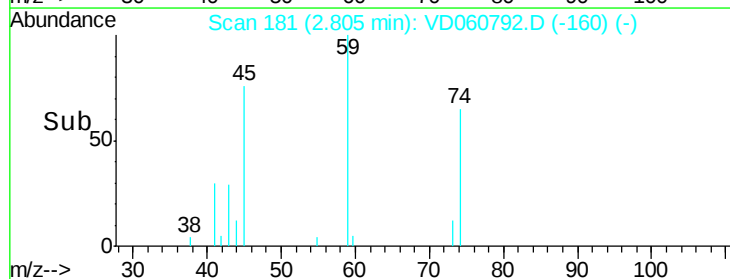
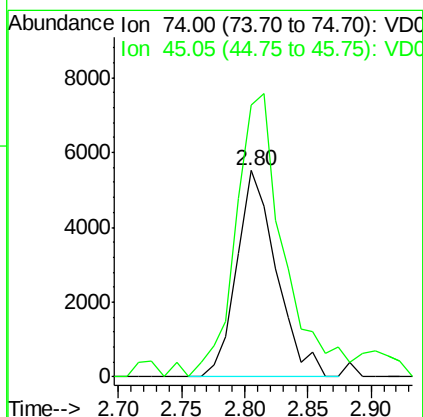
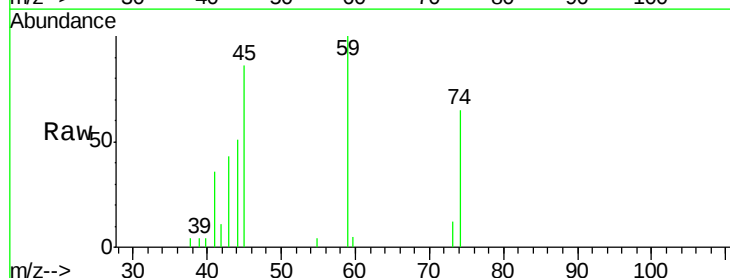
MMDadoda
1/29/2019 4:55:31 PM

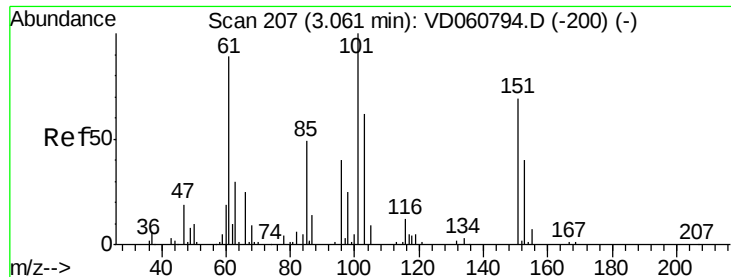


#8

Diethyl Ether
Concen: 9.531 ug/l
RT: 2.80 min Scan# 181
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 74 Resp: 12017
Ion Ratio Lower Upper
74 100
45 132.2 75.6 226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.609 ug/l

RT: 3.07 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

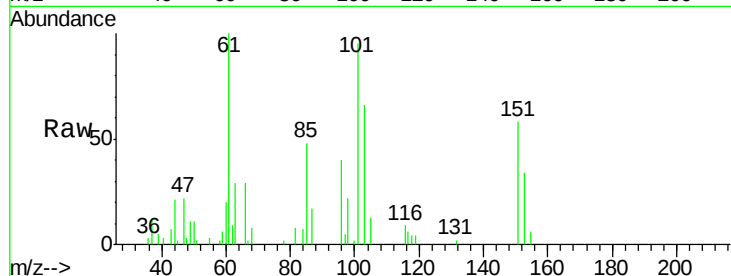
ClientSampleId :

VSTDIC010

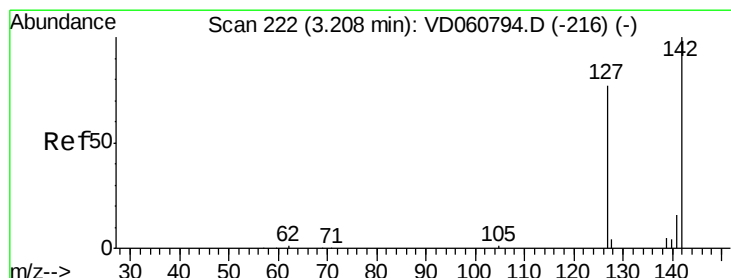
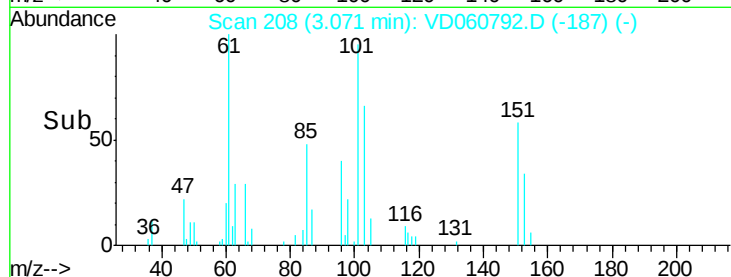
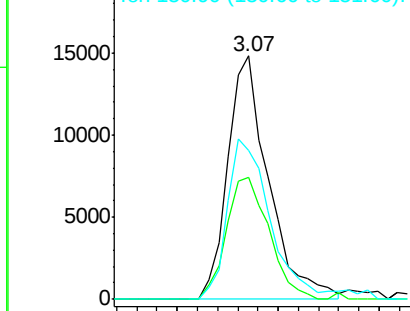
Tot Ion:	101	Resp:	41668
Ion Ratio	Lower	Upper	
101	100		
85	49.9	39.3	58.9
151	61.3	55.1	82.7

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 8.501 ug/l

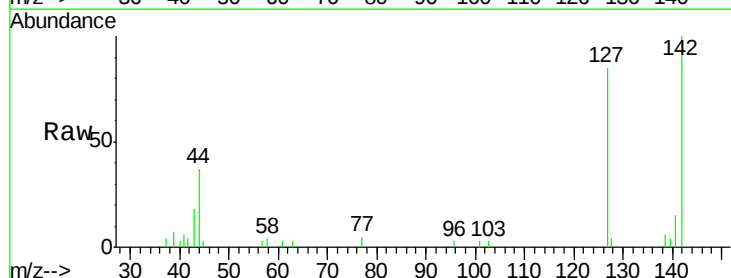
RT: 3.22 min Scan# 223

Delta R.T. 0.01 min

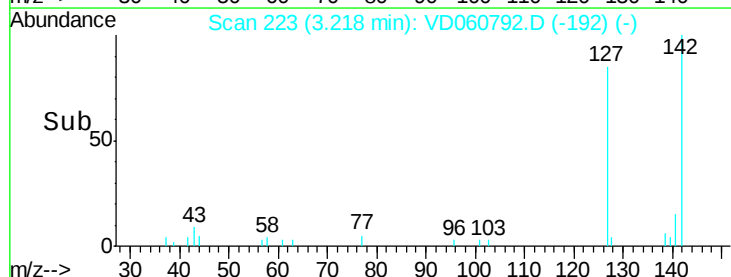
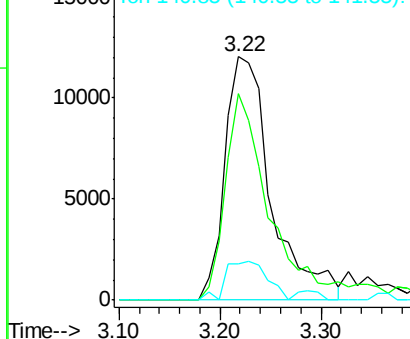
Lab File: VD060792.D

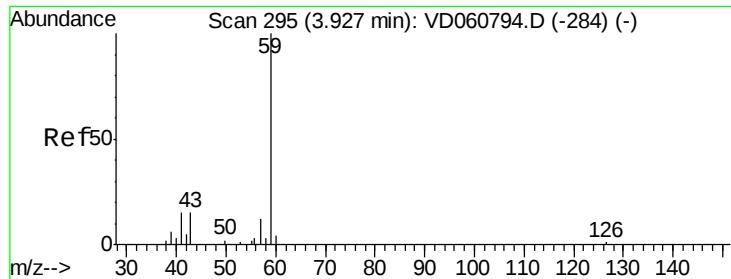
Acq: 28 Jan 2019 15:42

Tgt Ion:	142	Resp:	38597
Ion Ratio	Lower	Upper	
142	100		
127	85.0	61.6	92.4
141	15.1	12.5	18.7



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





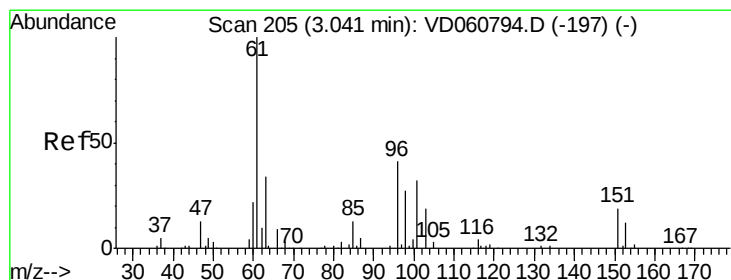
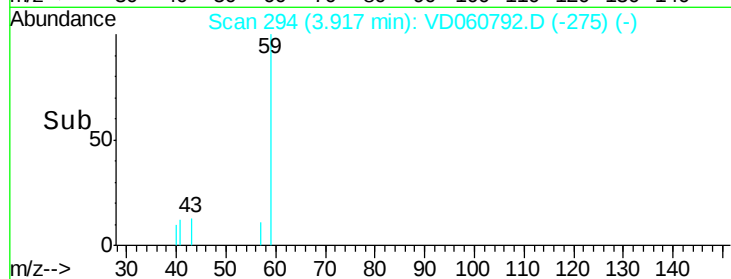
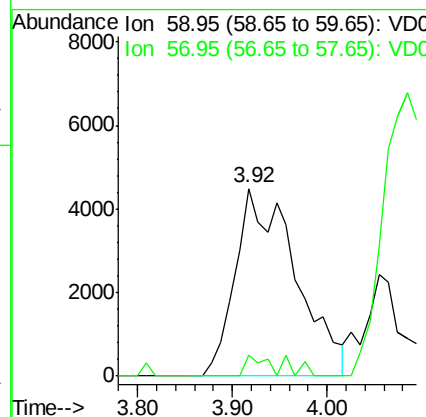
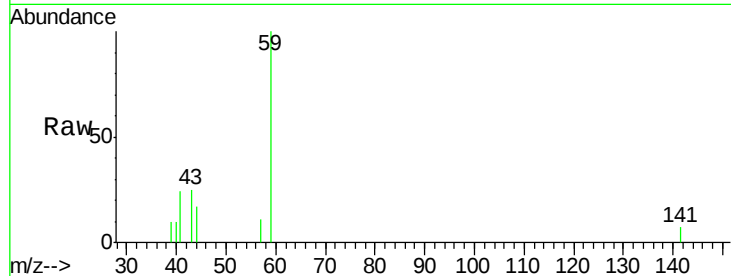
#11
Tert butyl alcohol
Concen: 48.314 ug/l
RT: 3.92 min Scan# 294
Delta R.T. -0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 19913
Ion Ratio Lower Upper
59 100
57 11.4 9.8 14.6

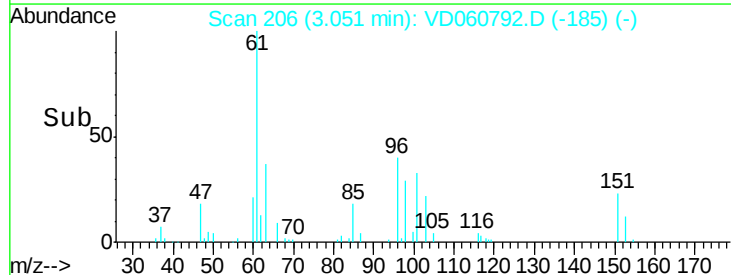
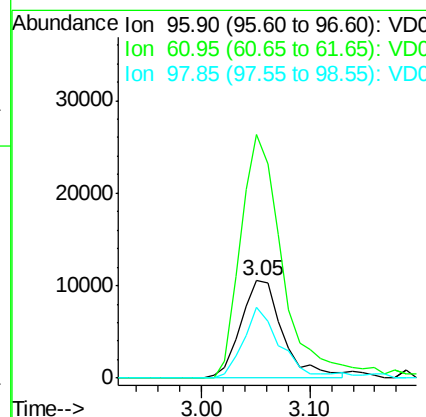
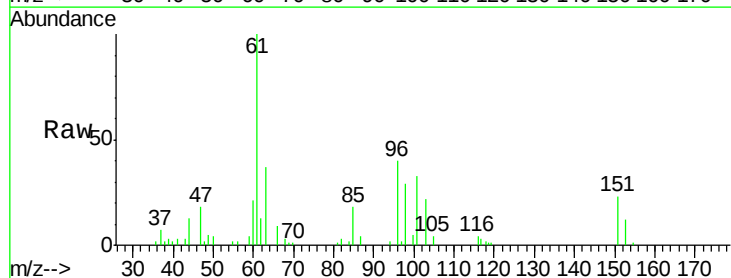
Manual Integrations
APPROVED

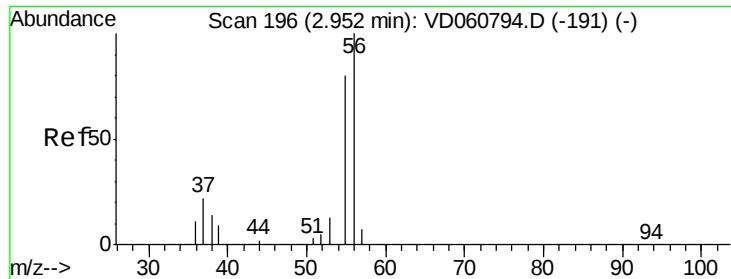
MMDadoda
1/29/2019 4:55:31 PM



#12
1,1-Dichloroethene
Concen: 9.634 ug/l
RT: 3.05 min Scan# 206
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 96 Resp: 28550
Ion Ratio Lower Upper
96 100
61 249.8 195.1 292.7
98 72.7 52.5 78.7





#13

Acrolein

Concen: 64.388 ug/l

RT: 2.97 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 10774

Ion Ratio Lower Upper

56 100

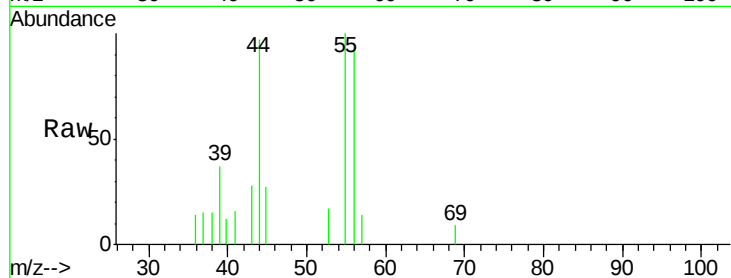
55 104.8 64.2 96.2#

Manual Integrations

APPROVED

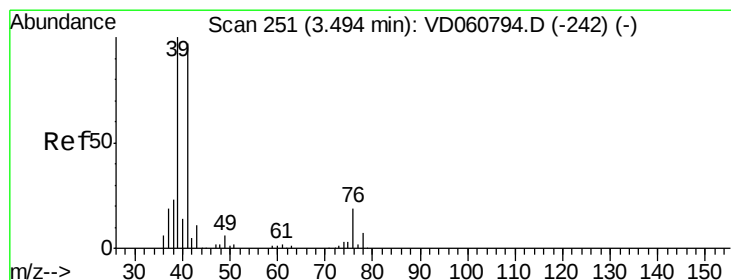
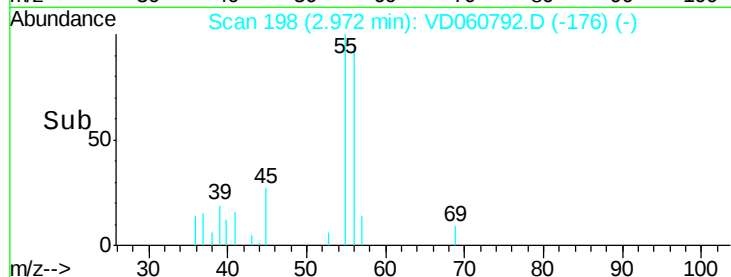
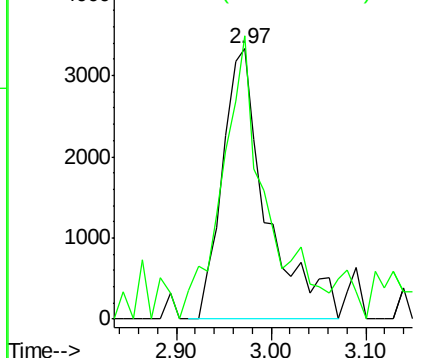
MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.235 ug/l

RT: 3.51 min Scan# 253

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

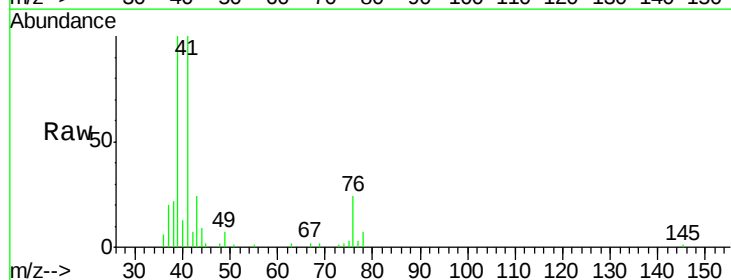
Tgt Ion: 41 Resp: 63685

Ion Ratio Lower Upper

41 100

39 100.0 82.6 123.8

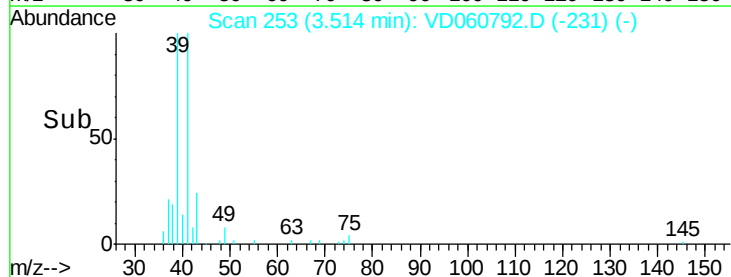
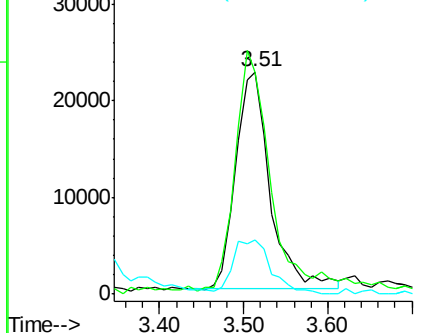
76 24.2 18.9 28.3

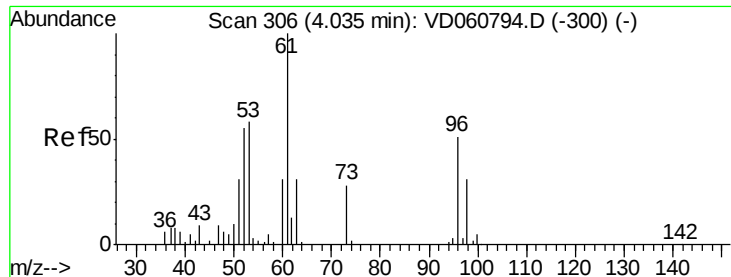


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 52.777 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

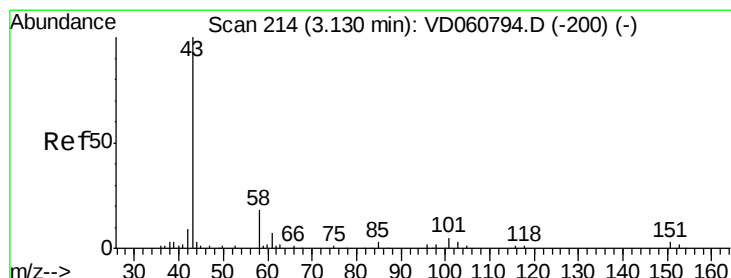
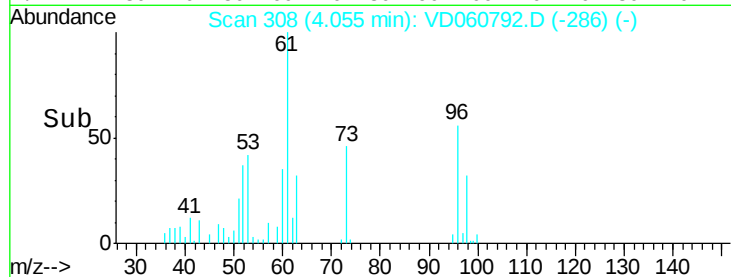
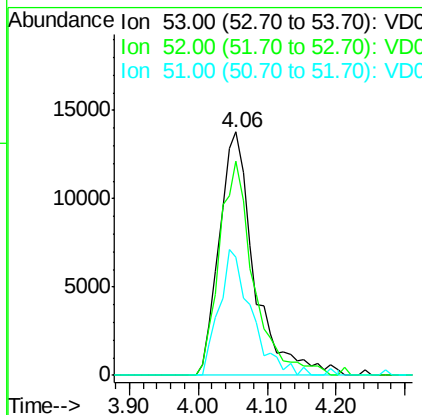
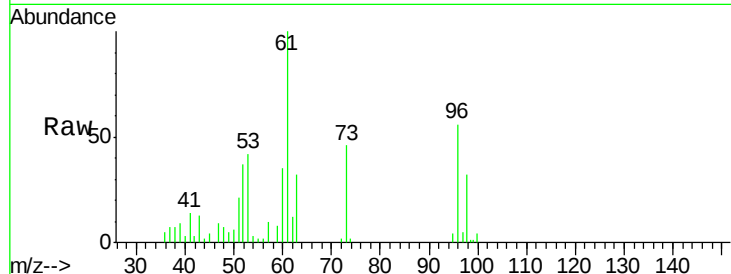
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	48739
Ion	Ratio	Lower	Upper
53	100		
52	88.2	75.4	113.2
51	48.8	42.5	63.7

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#16

Acetone

Concen: 46.240 ug/l

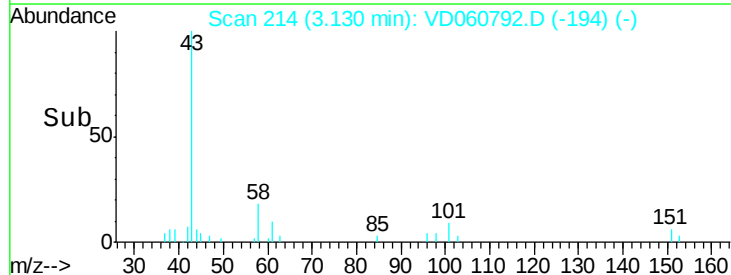
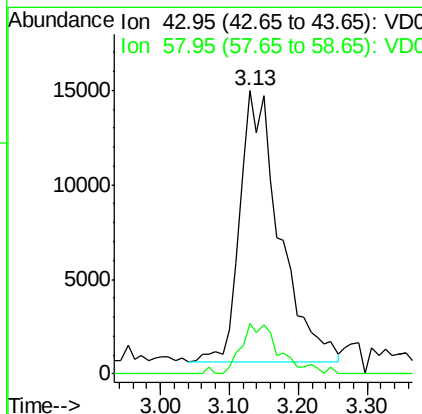
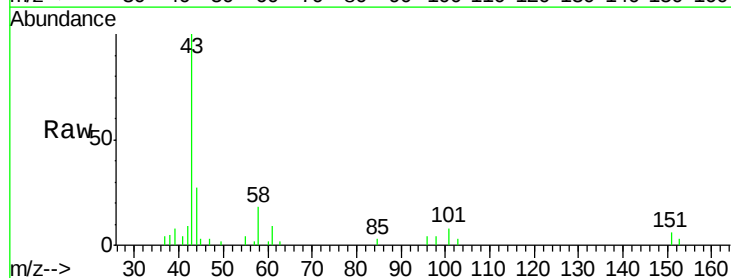
RT: 3.13 min Scan# 214

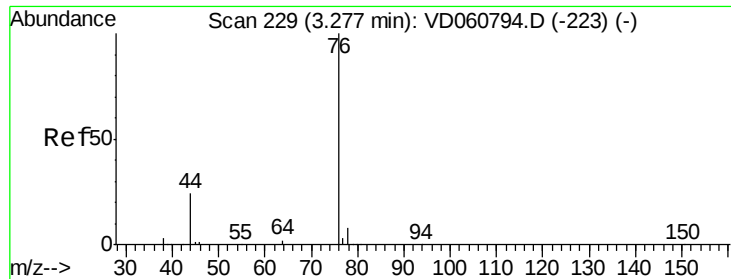
Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion:	43	Resp:	57379
Ion	Ratio	Lower	Upper
43	100		
58	17.6	14.5	21.7





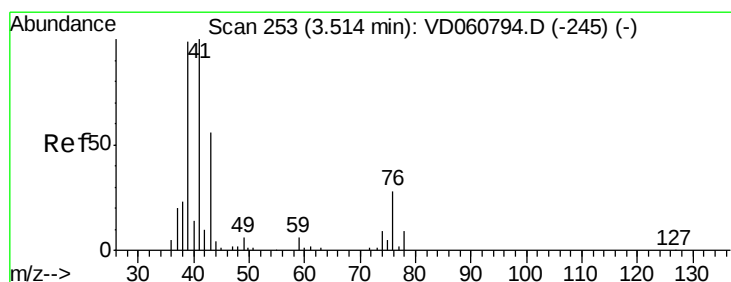
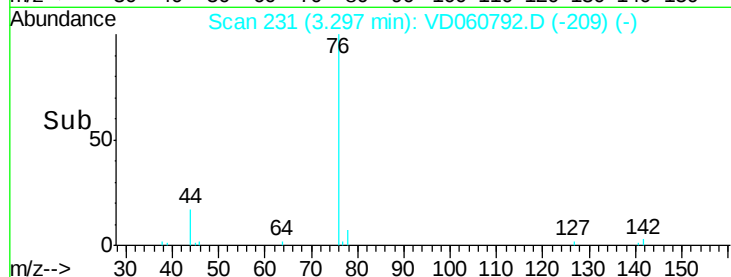
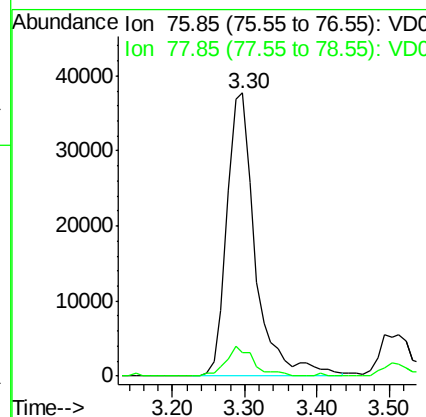
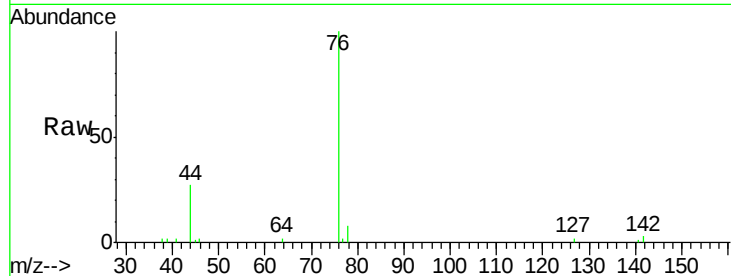
#17
Carbon Disulfide
Concen: 9.848 ug/l
RT: 3.30 min Scan# 231
Delta R.T. 0.02 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.5	9.7

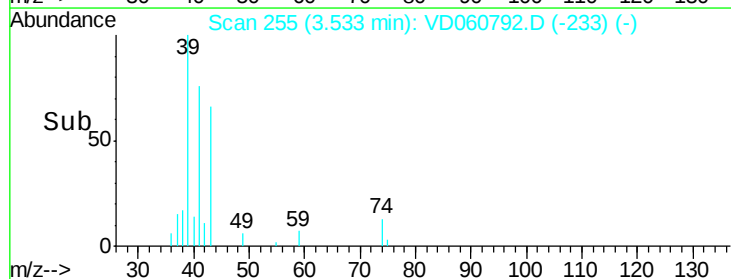
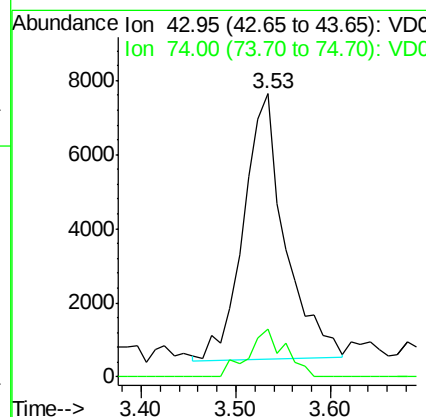
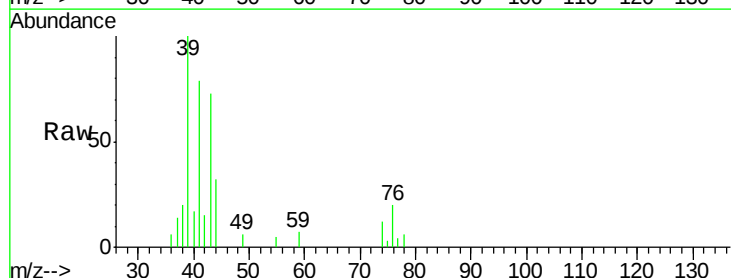
Manual Integrations
APPROVED

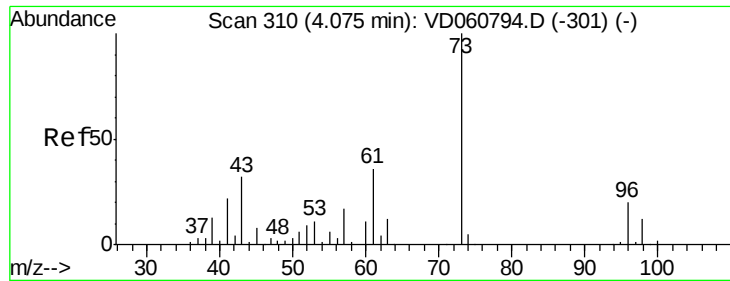
MMDadoda
1/29/2019 4:55:31 PM



#18
Methyl Acetate
Concen: 8.783 ug/l
RT: 3.53 min Scan# 255
Delta R.T. 0.02 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.8	12.5	18.7





#19

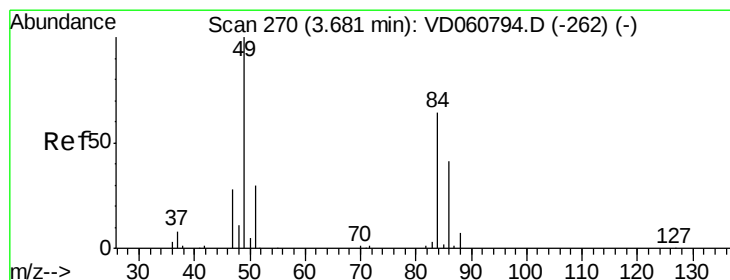
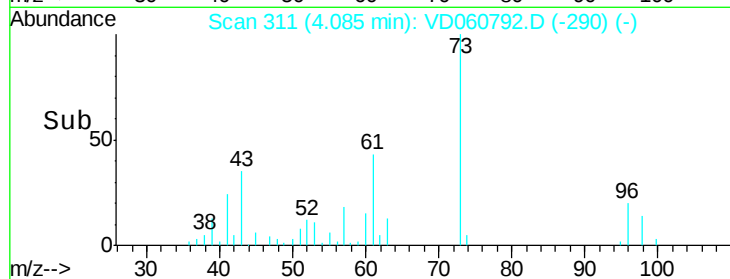
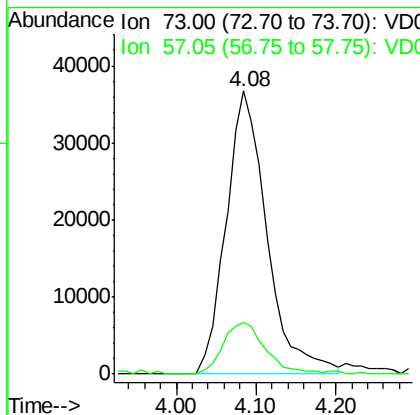
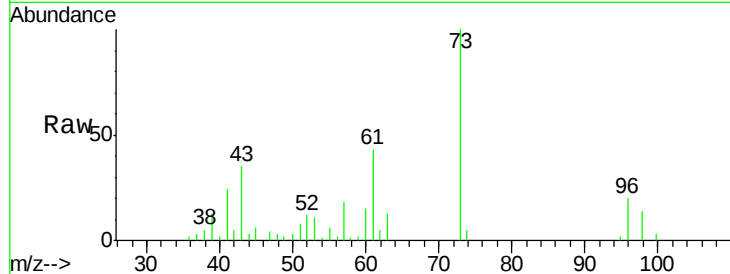
Methyl tert-butyl Ether
 Concen: 9.679 ug/l
 RT: 4.08 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 73 Resp: 130939
 Ion Ratio Lower Upper
 73 100
 57 18.4 14.0 21.0

Manual Integrations
 APPROVED

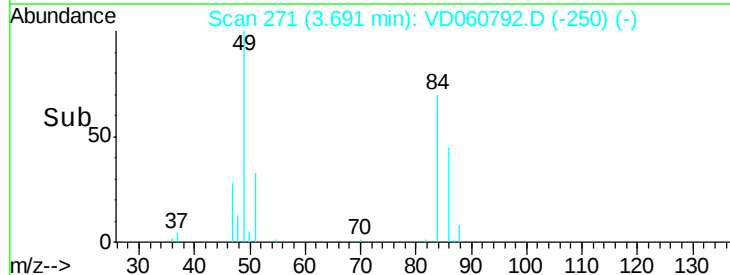
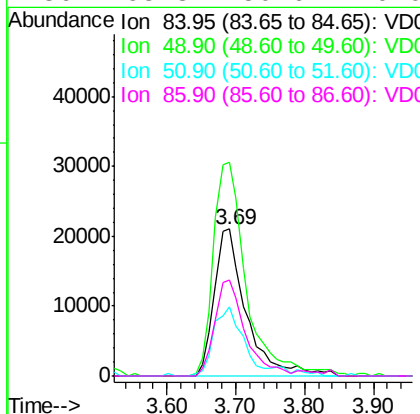
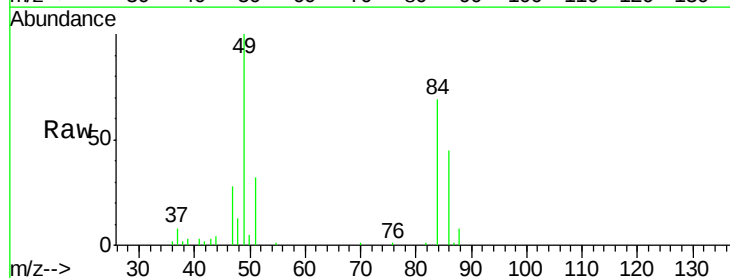
MMDadoda
 1/29/2019 4:55:31 PM

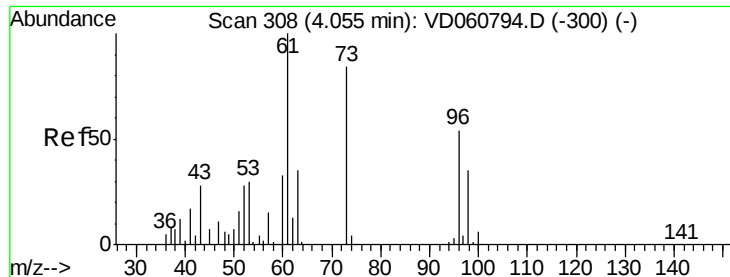


#20

Methylene Chloride
 Concen: 10.632 ug/l
 RT: 3.69 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 84 Resp: 67510
 Ion Ratio Lower Upper
 84 100
 49 145.3 124.2 186.2
 51 46.7 38.1 57.1
 86 65.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 10.483 ug/l

RT: 4.06 min Scan# 308

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 54763

Ion Ratio Lower Upper

96 100

61 177.7 147.4 221.2

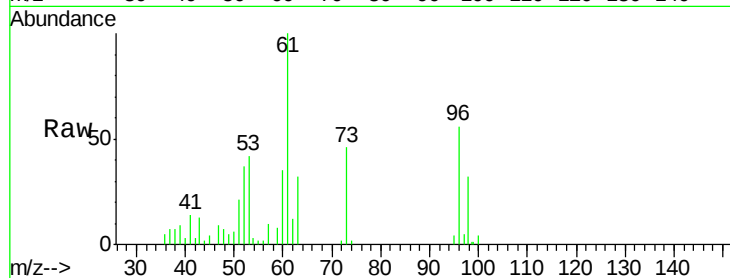
98 56.6 51.5 77.3

Manual Integrations

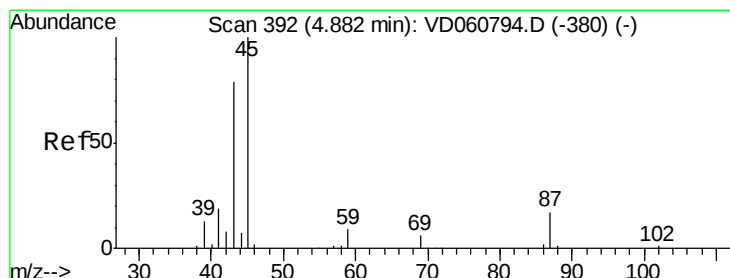
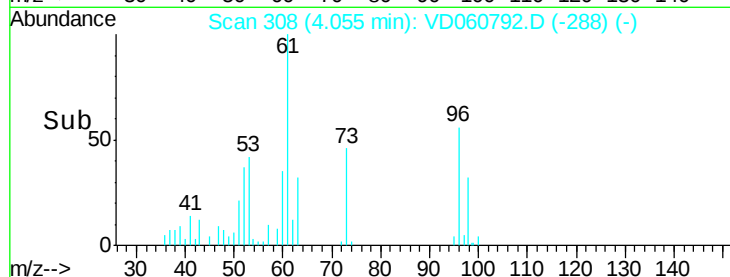
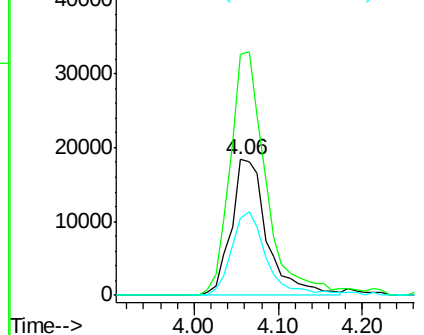
APPROVED

MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 9.762 ug/l

RT: 4.90 min Scan# 394

Delta R.T. 0.02 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion: 45 Resp: 173475

Ion Ratio Lower Upper

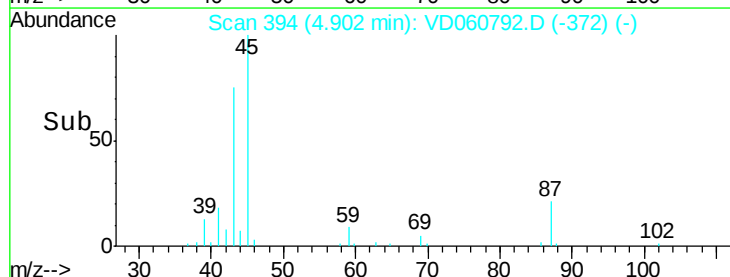
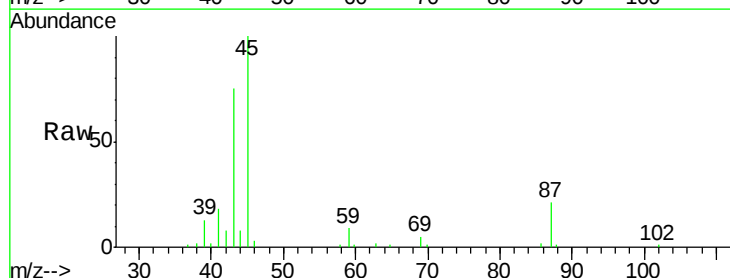
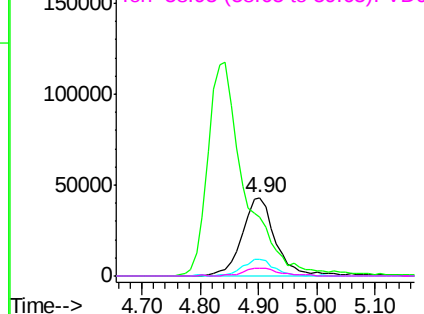
45 100

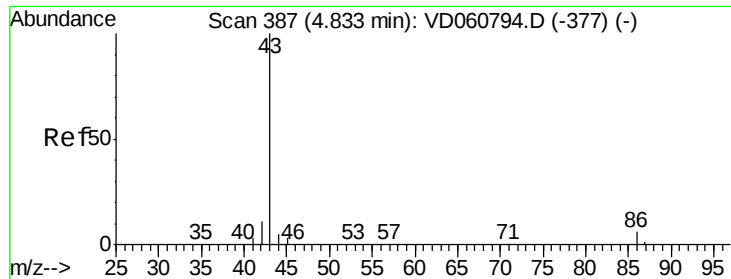
43 75.0 64.3 96.5

87 20.6 14.3 21.5

59 9.3 7.8 11.8

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 50.350 ug/l

RT: 4.84 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 515263

Ion Ratio Lower Upper

43 100

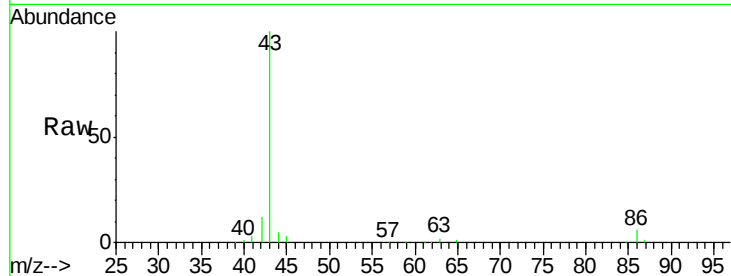
86 6.0 4.7 7.1

Manual Integrations

APPROVED

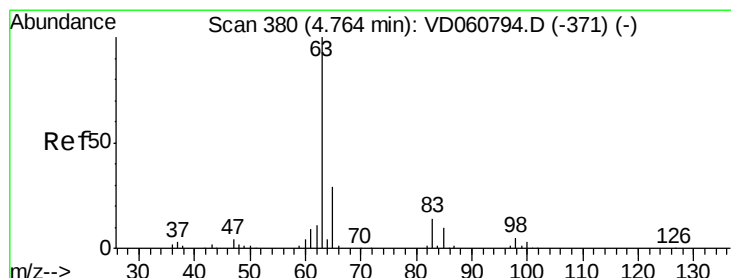
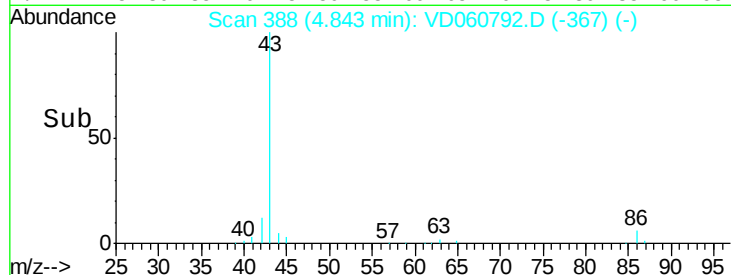
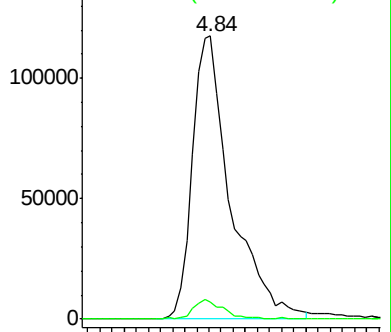
MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.220 ug/l

RT: 4.77 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

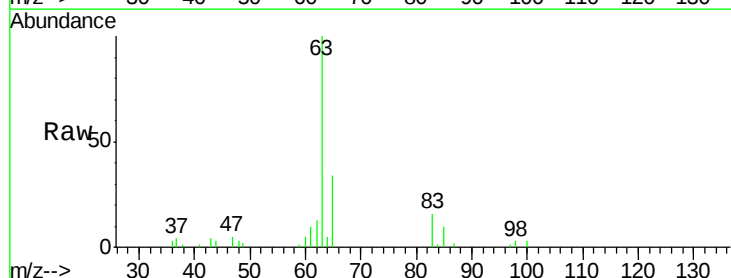
Tgt Ion: 63 Resp: 118896

Ion Ratio Lower Upper

63 100

98 3.4 2.3 6.9

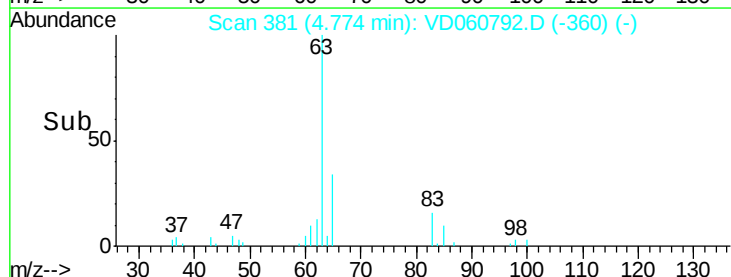
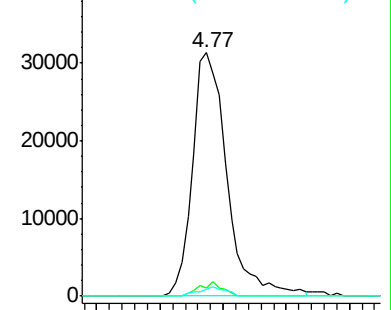
100 2.9 1.3 3.8

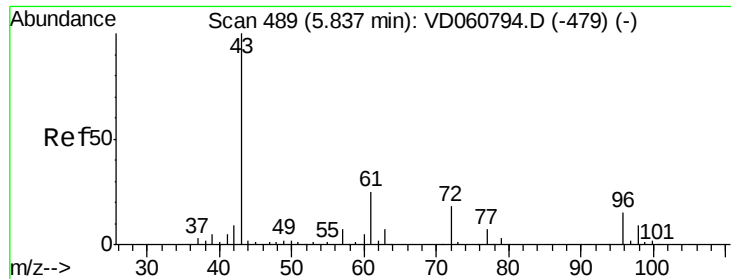


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





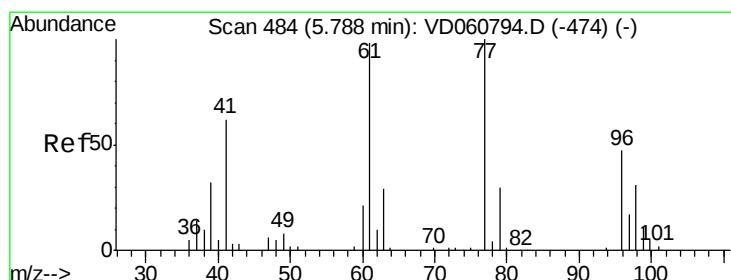
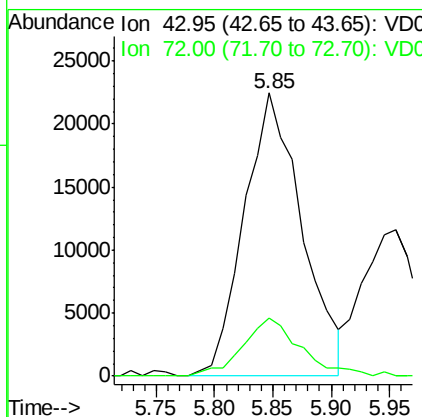
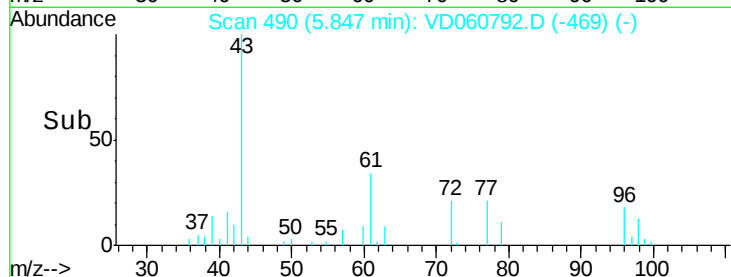
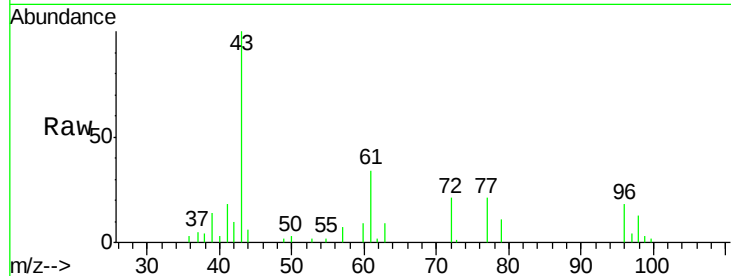
#25
2-Butanone
Concen: 48.490 ug/l
RT: 5.85 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 77312
Ion Ratio Lower Upper
43 100
72 20.6 14.4 21.6

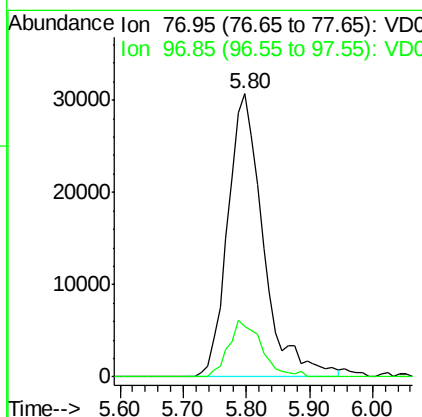
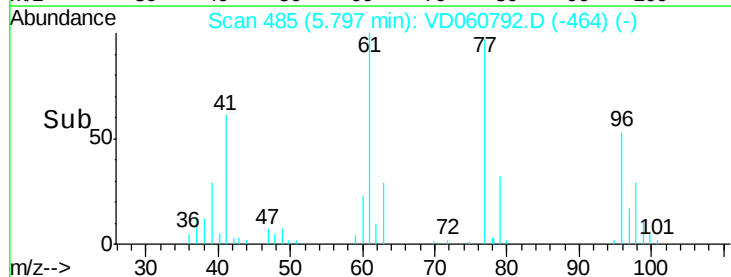
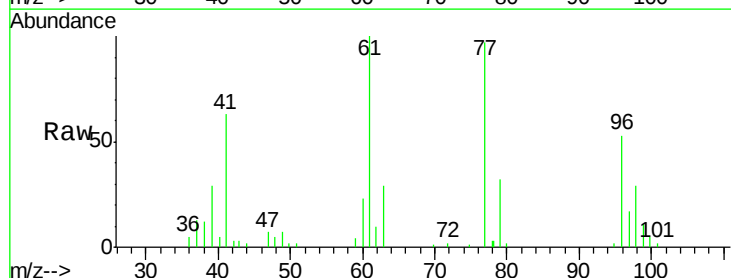
Manual Integrations
APPROVED

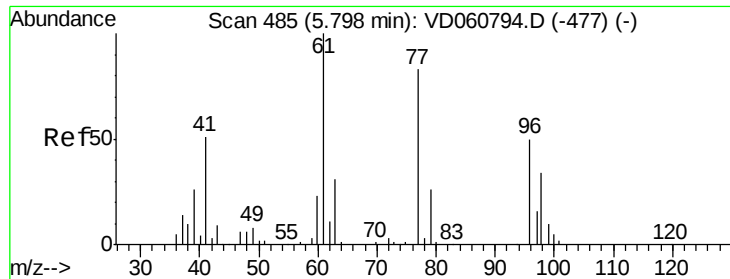
MMDadoda
1/29/2019 4:55:31 PM



#26
2,2-Dichloropropane
Concen: 9.751 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 77 Resp: 119528
Ion Ratio Lower Upper
77 100
97 17.8 8.3 24.9





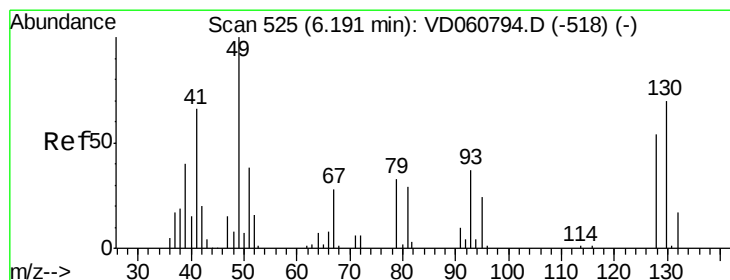
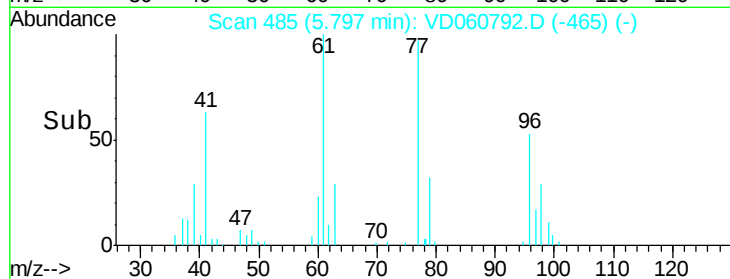
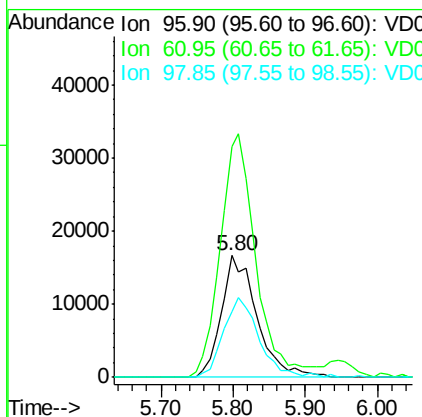
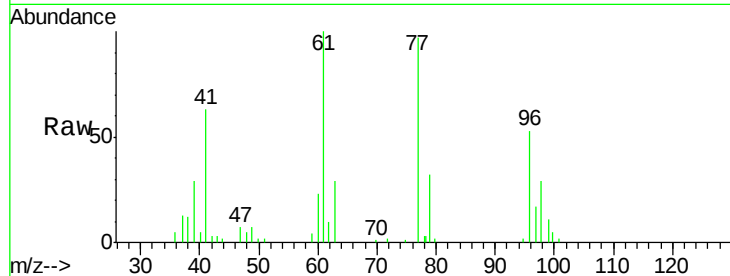
#27
 cis-1,2-Dichloroethene
 Concen: 9.581 ug/l
 RT: 5.80 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	189.6	0.0	400.0
98	54.6	0.0	136.4

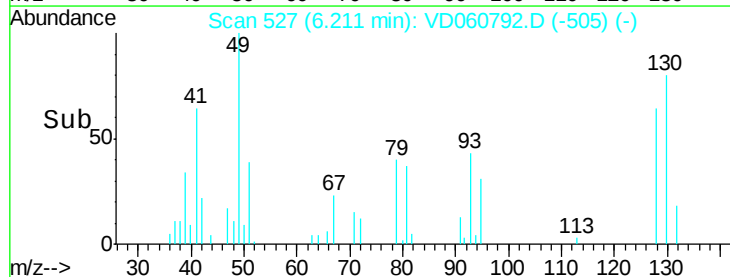
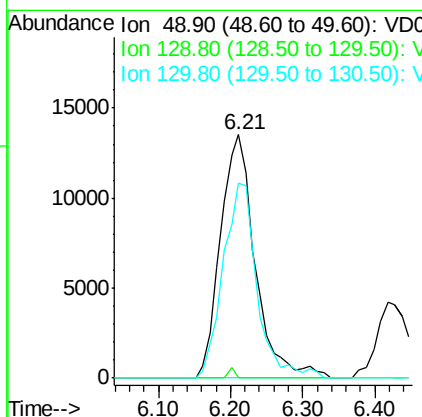
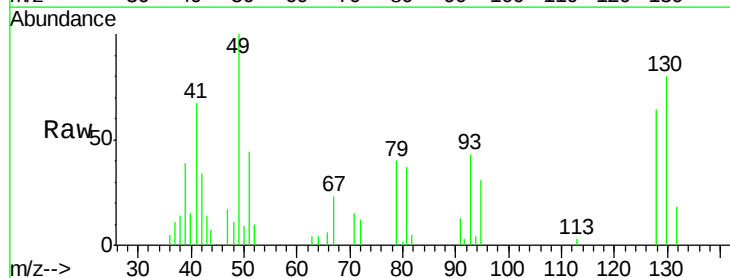
Manual Integrations
 APPROVED

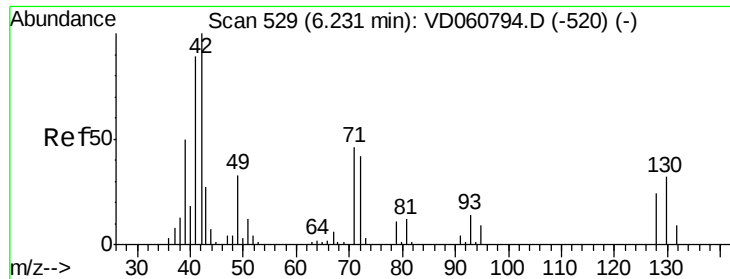
MMDadoda
 1/29/2019 4:55:31 PM



#28
 Bromochloromethane
 Concen: 9.919 ug/l
 RT: 6.21 min Scan# 527
 Delta R.T. 0.02 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	80.1	56.1	84.1





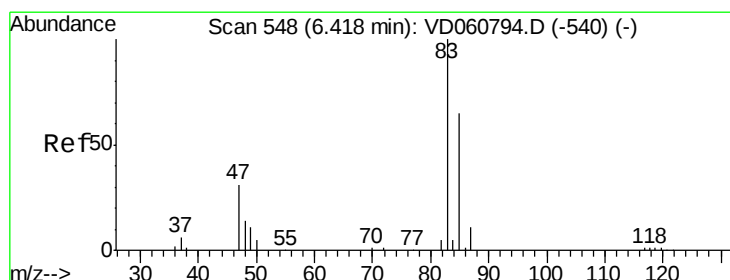
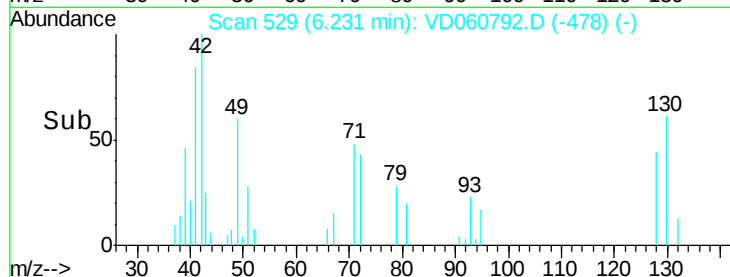
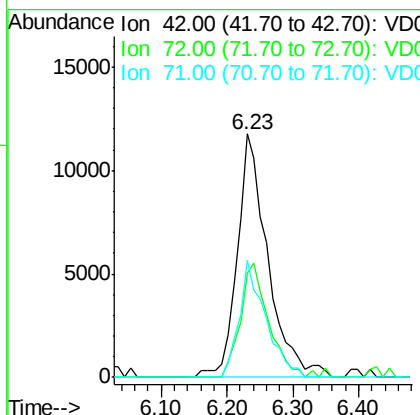
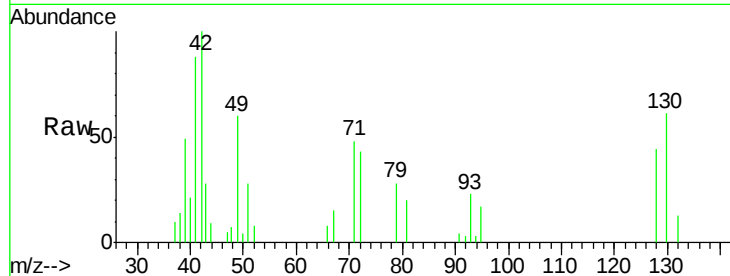
#29
Tetrahydrofuran
Concen: 50.061 ug/l
RT: 6.23 min Scan# 529
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	32.8	49.2
71	41.7	34.6	52.0

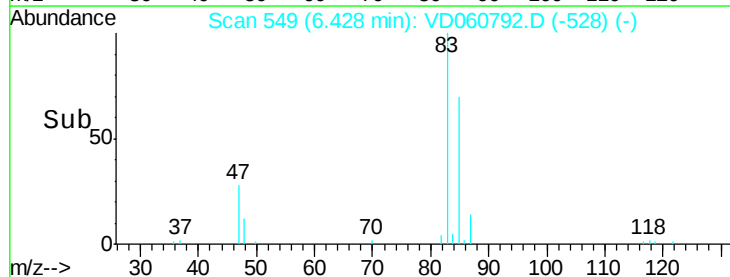
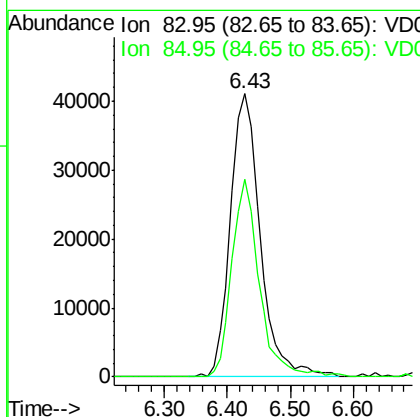
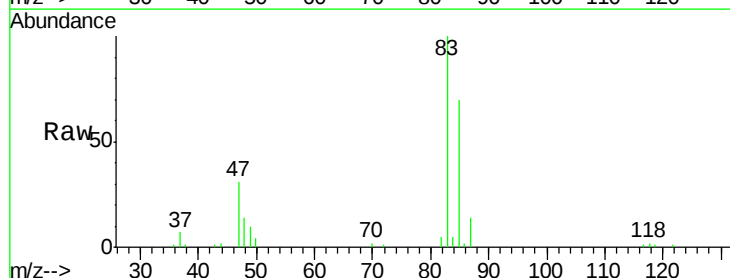
Manual Integrations
APPROVED

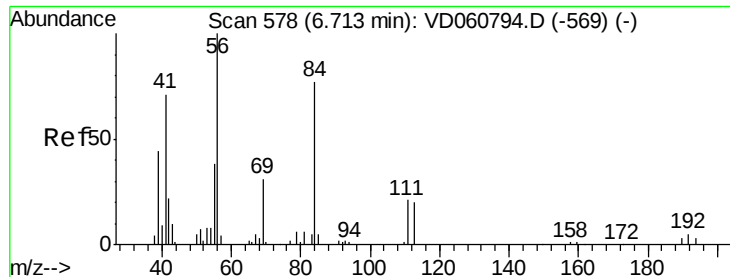
MMDadoda
1/29/2019 4:55:31 PM



#30
Chloroform
Concen: 9.774 ug/l
RT: 6.43 min Scan# 549
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.6	52.3	78.5





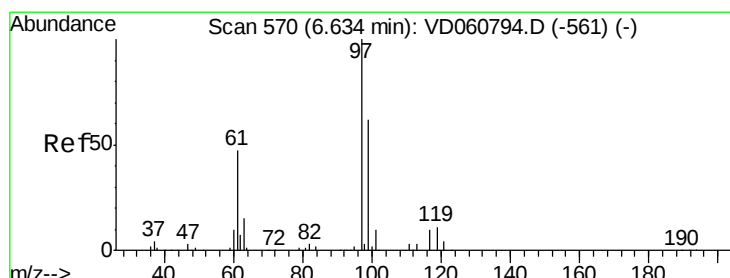
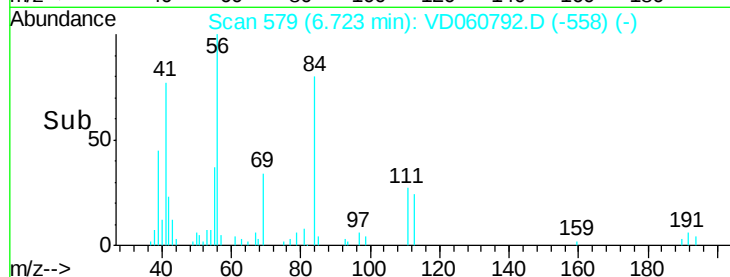
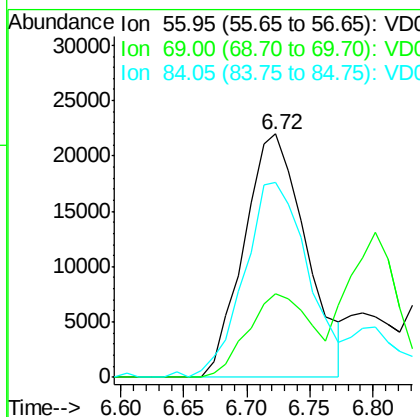
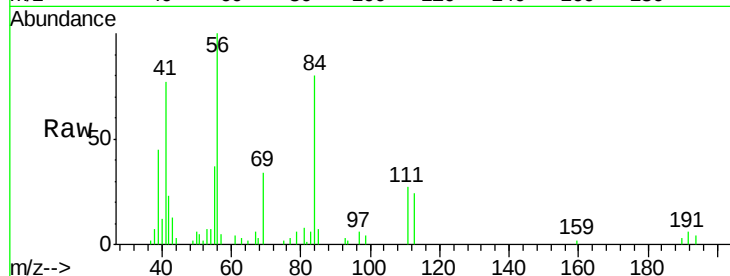
#31
Cyclohexane
Concen: 9.522 ug/l
RT: 6.72 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.1	37.7
84	80.2	63.9	95.9

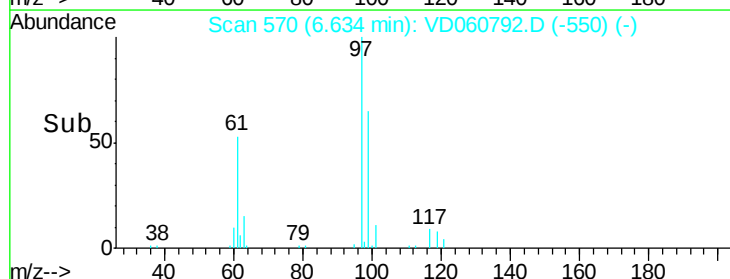
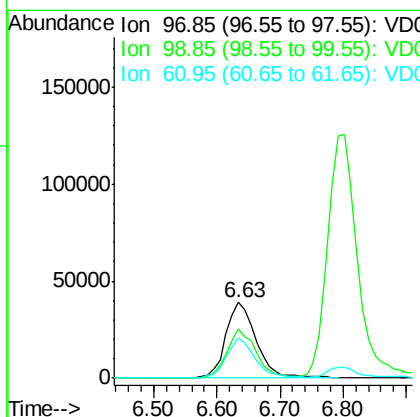
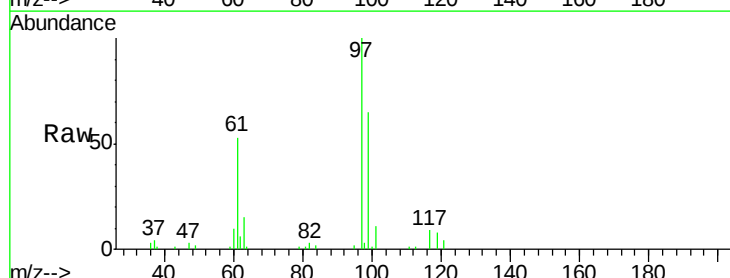
Manual Integrations
APPROVED

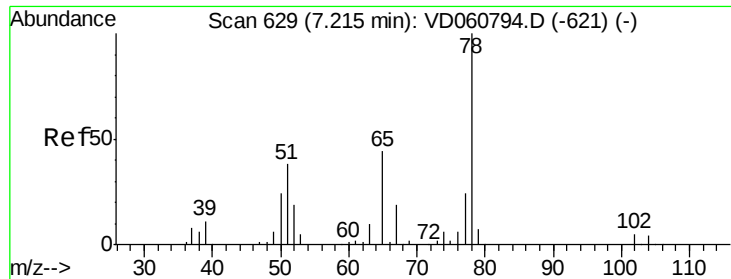
MMDadoda
1/29/2019 4:55:31 PM



#32
1,1,1-Trichloroethane
Concen: 9.788 ug/l
RT: 6.63 min Scan# 570
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	49.6	74.4
61	52.9	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 9.788 ug/l

RT: 7.22 min Scan# 629

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 92264

Ion Ratio Lower Upper

65 100

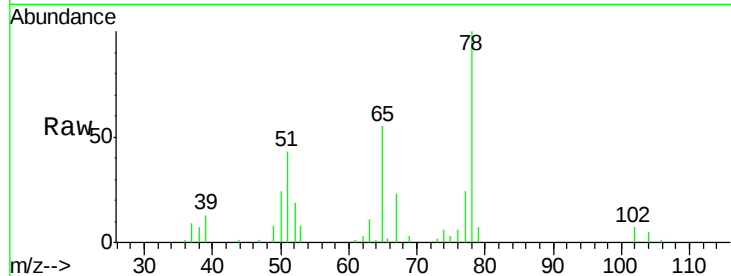
67 41.3 0.0 85.8

Manual Integrations

APPROVED

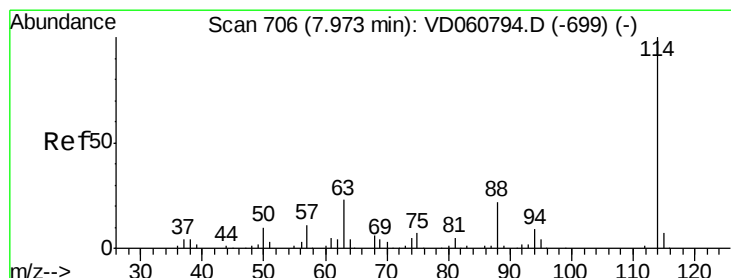
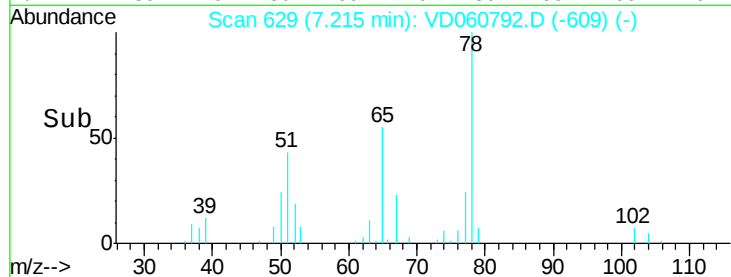
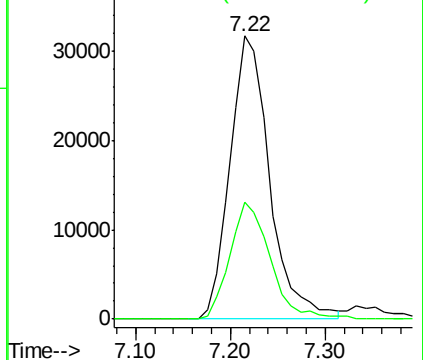
MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

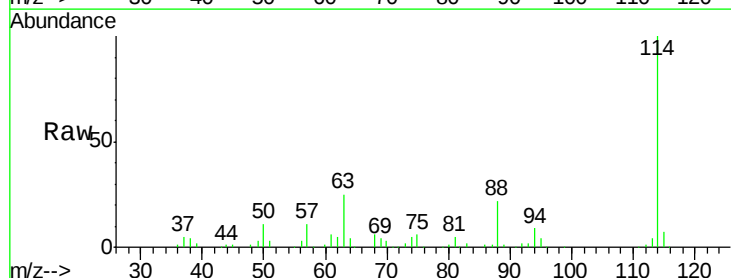
Tgt Ion: 114 Resp: 833391

Ion Ratio Lower Upper

114 100

63 25.1 0.0 46.6

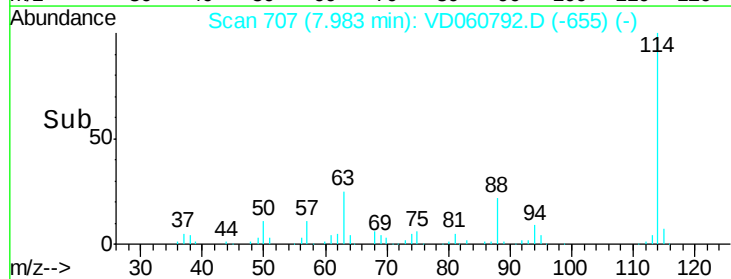
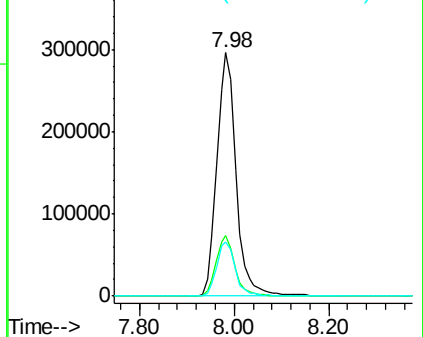
88 22.4 0.0 44.0

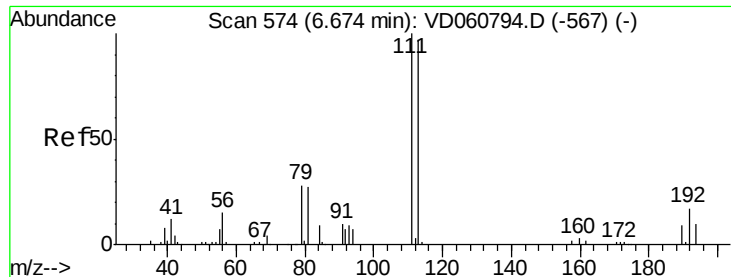


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





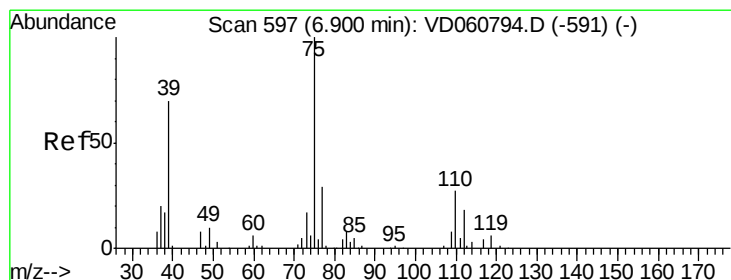
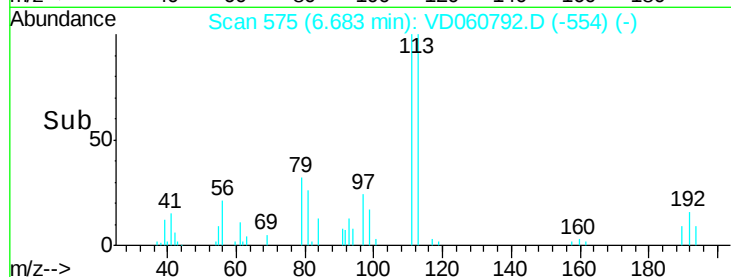
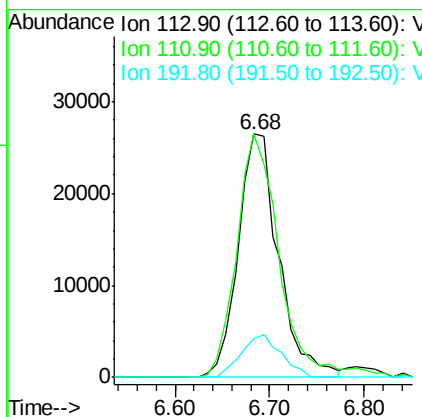
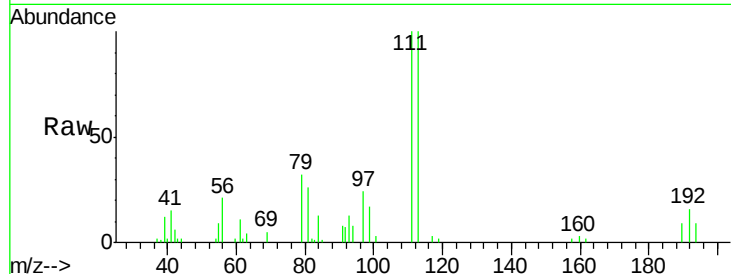
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.3	123.5
192	16.2	14.4	21.6

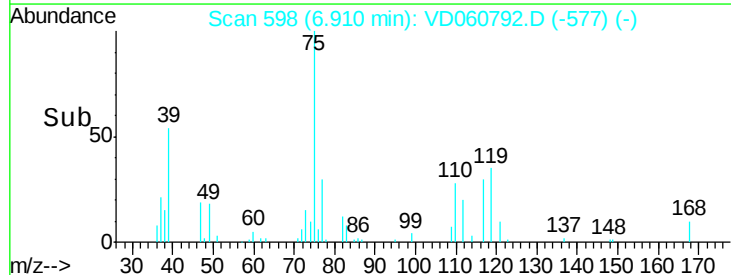
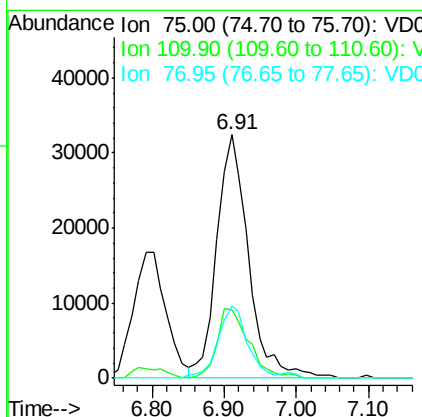
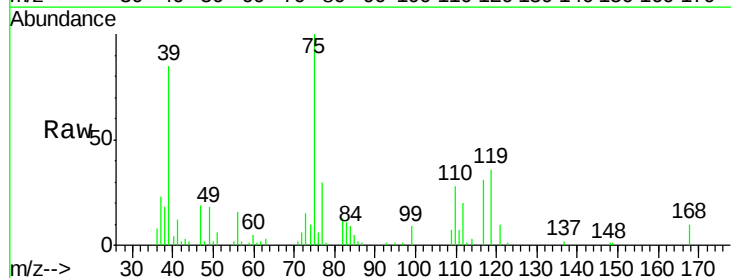
Manual Integrations
 APPROVED

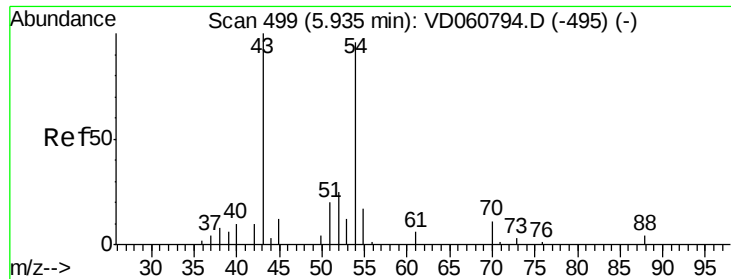
MMDadoda
 1/29/2019 4:55:31 PM



#36
 1,1-Dichloropropene
 Concen: 9.922 ug/l
 RT: 6.91 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.1	13.5	40.4
77	29.8	23.4	35.2





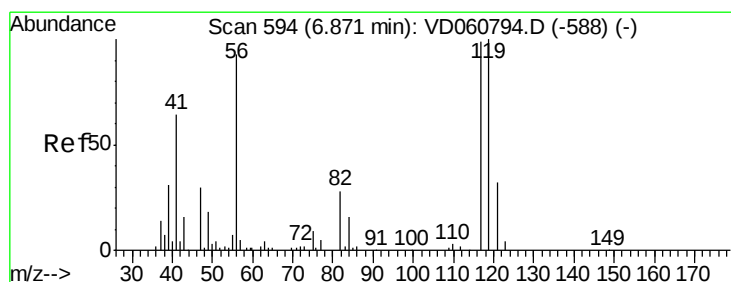
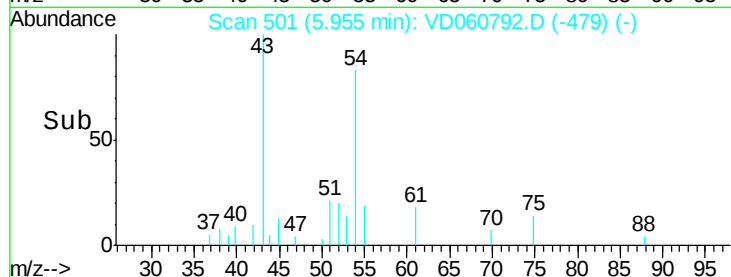
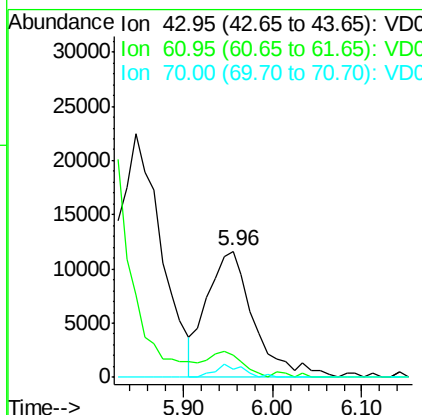
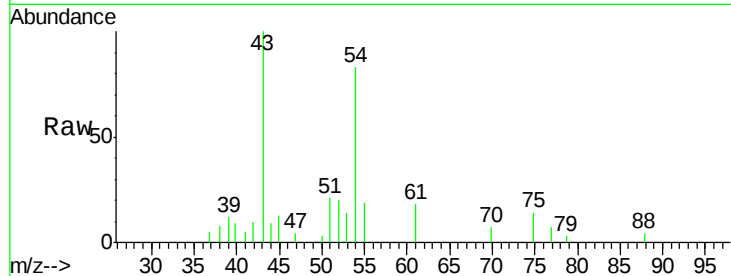
#37
Ethyl Acetate
Concen: 9.607 ug/l
RT: 5.96 min Scan# 501
Delta R.T. 0.02 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	12.3	18.5
70	6.7	7.4	11.0

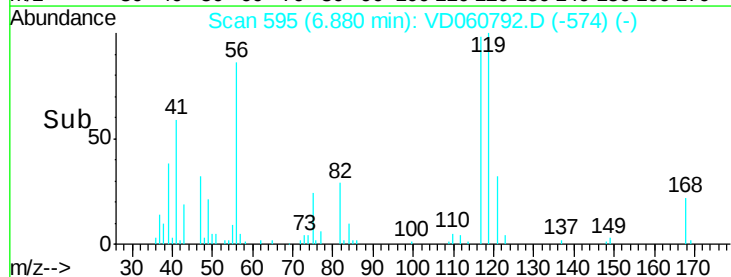
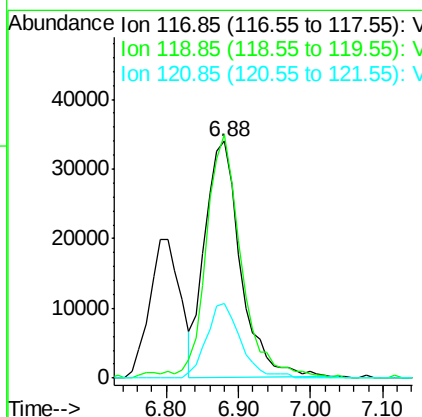
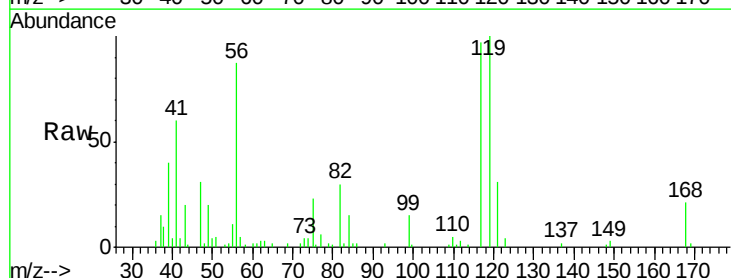
Manual Integrations
APPROVED

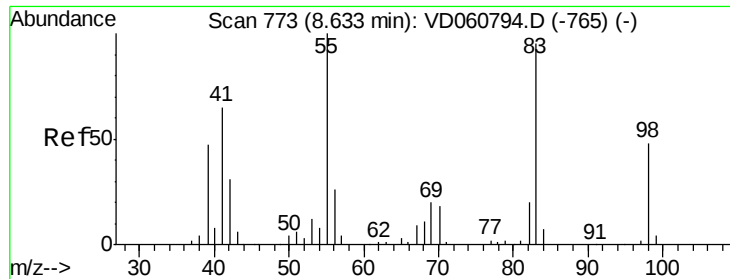
MMDadoda
1/29/2019 4:55:31 PM



#38
Carbon Tetrachloride
Concen: 9.258 ug/l
RT: 6.88 min Scan# 595
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.8	75.6	113.4
121	31.7	23.4	35.2





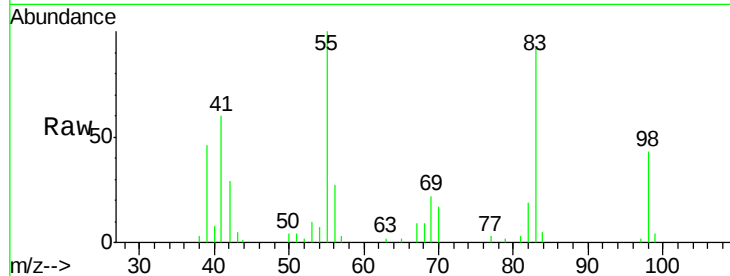
#39
Methvlcvclohexane
Concen: 9.404 ug/l
RT: 8.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

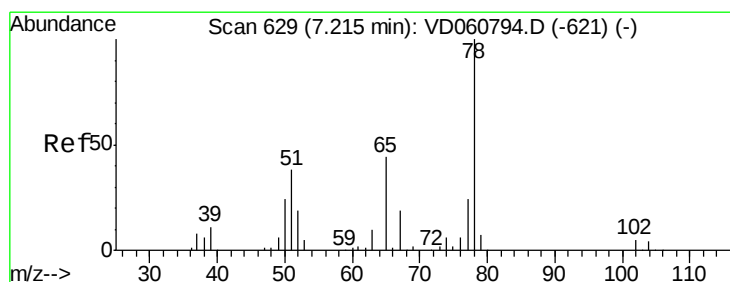
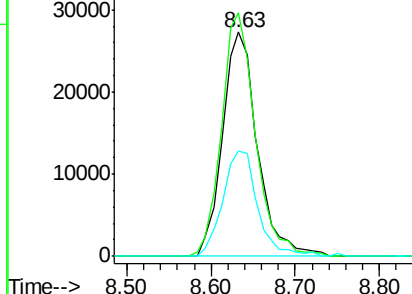
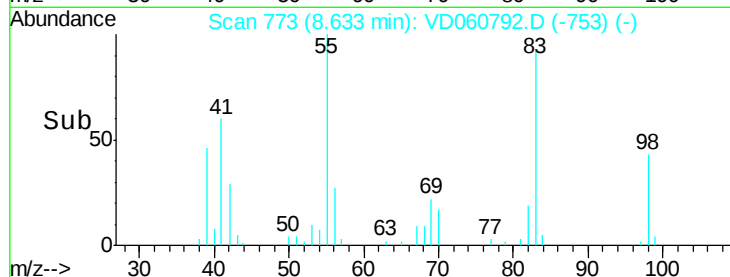
Tot Ion	Ratio	Lower	Upper
83	100		
55	108.7	83.8	125.8
98	46.8	39.8	59.8

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM

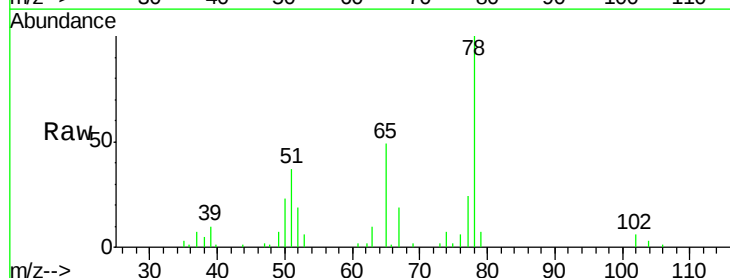


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

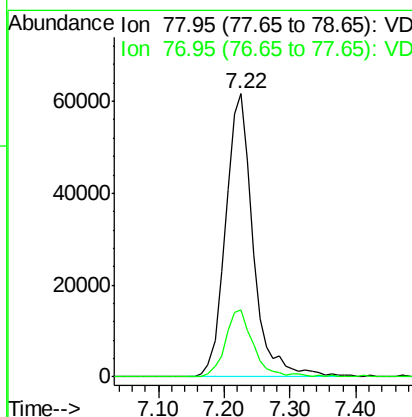
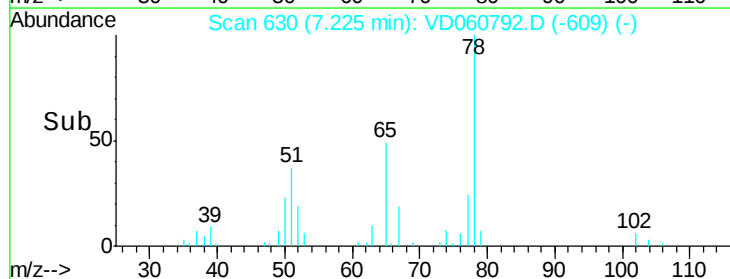


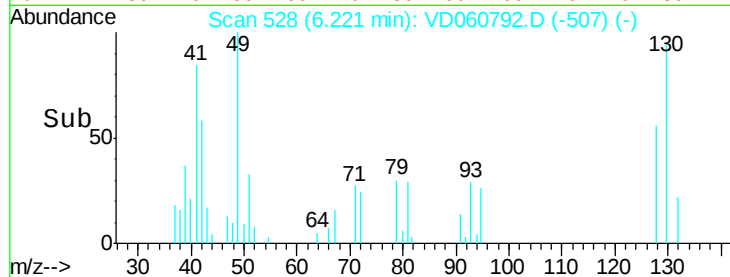
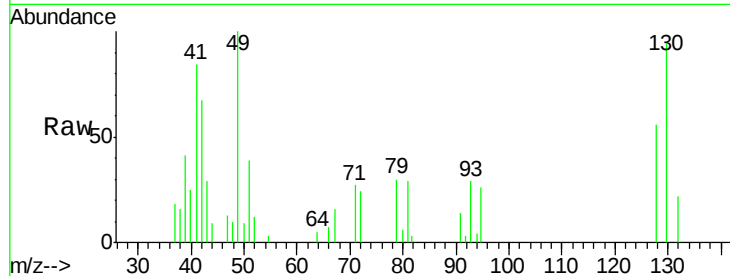
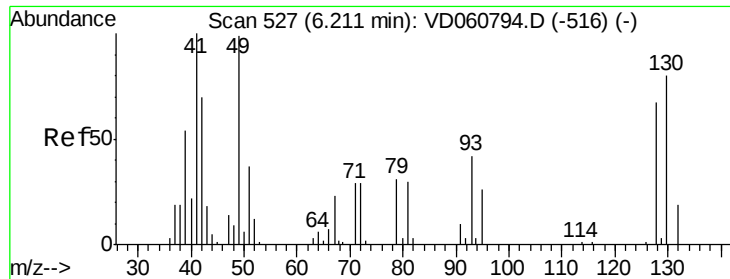
#40
Benzene
Concen: 9.206 ug/l
RT: 7.22 min Scan# 630
Delta R.T. 0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 8.042 ug/l m

RT: 6.22 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		23490		
39	49.1	43.6	65.4		
67	19.6	18.5	27.7		
52	13.9	10.2	15.2		

Instrument :

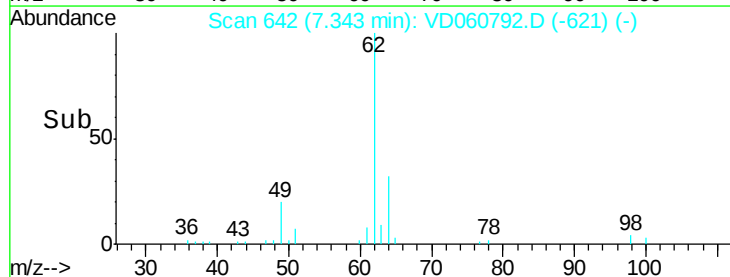
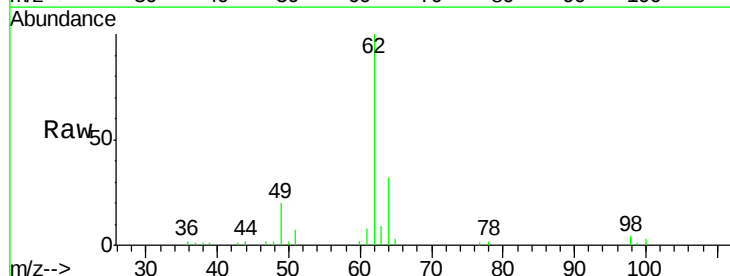
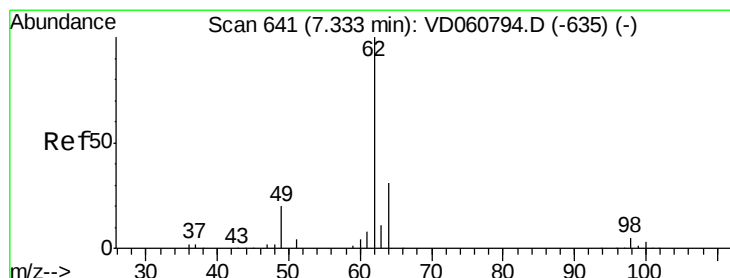
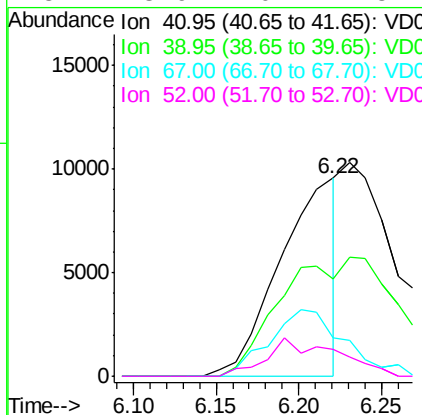
MSVOA_D

ClientSampleId :

VSTDIC010

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#42

1,2-Dichloroethane

Concen: 9.518 ug/l

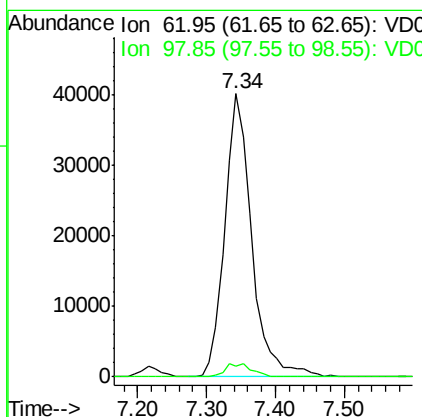
RT: 7.34 min Scan# 642

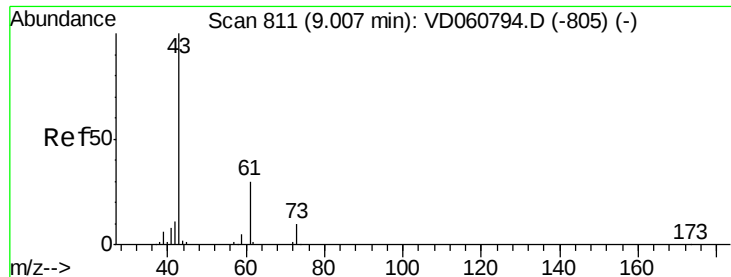
Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		108596		
98	4.0	0.0	10.2		





#43

Isopropyl Acetate

Concen: 8.566 ug/l

RT: 9.01 min Scan# 811

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

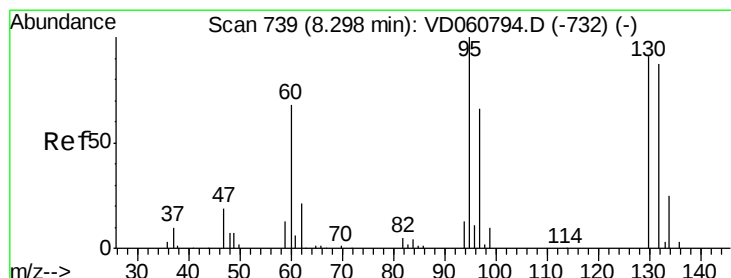
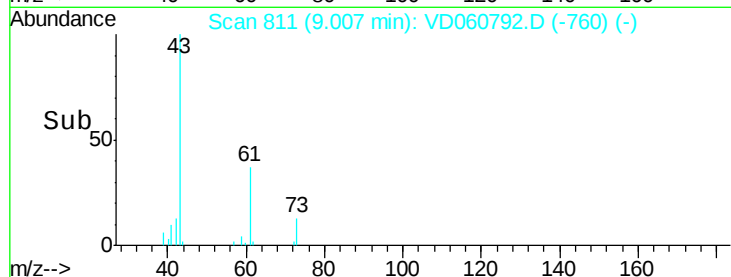
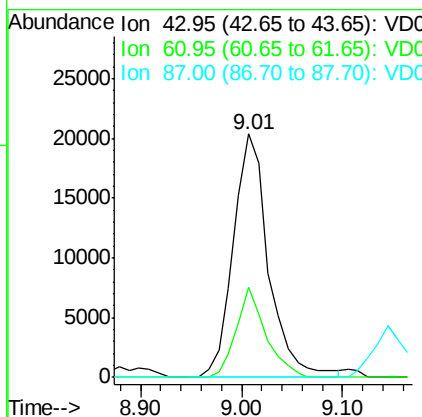
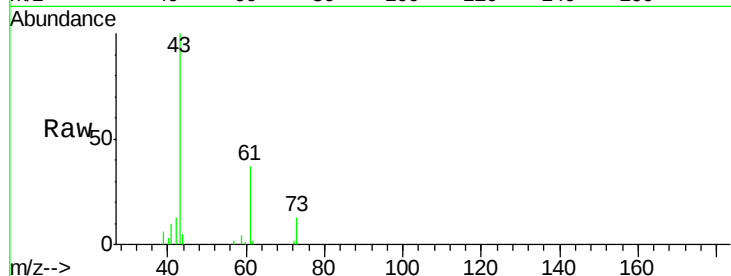
ClientSampled :

VSTDIC010

Tot Ion:	43	Resp:	49623
Ion	Ratio	Lower	Upper
43	100		
61	36.9	24.1	36.1#
87	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#44

Trichloroethene

Concen: 8.945 ug/l

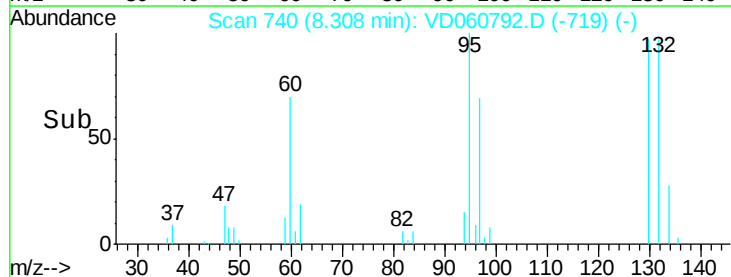
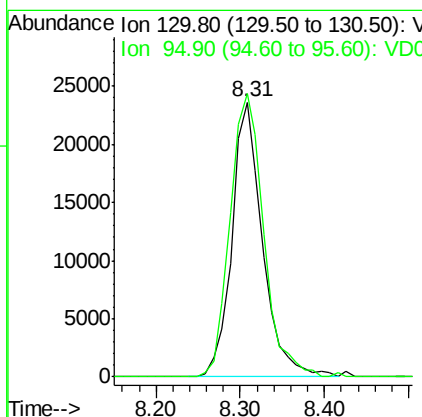
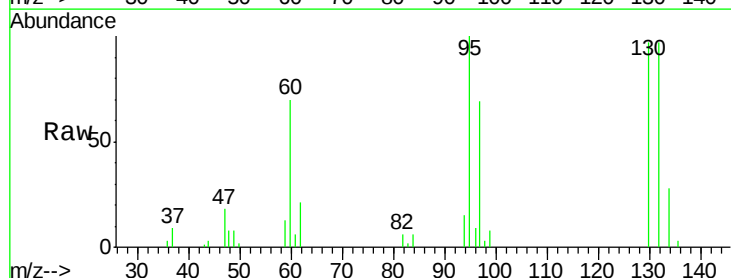
RT: 8.31 min Scan# 740

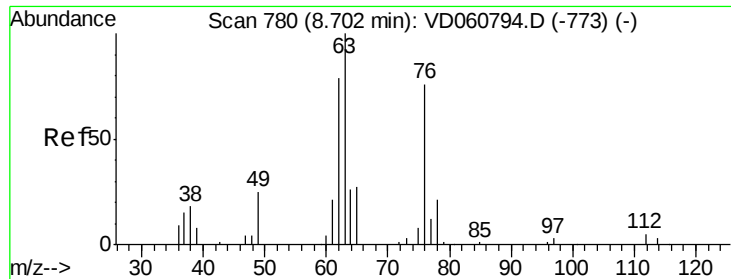
Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion:	130	Resp:	59553
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	221.0





#45

1,2-Dichloropropane

Concen: 9.285 ug/l

RT: 8.71 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 49360

Ion Ratio Lower Upper

63 100

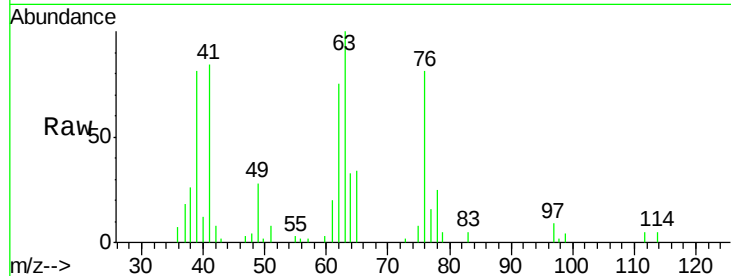
65 34.4 24.1 36.1

Manual Integrations

APPROVED

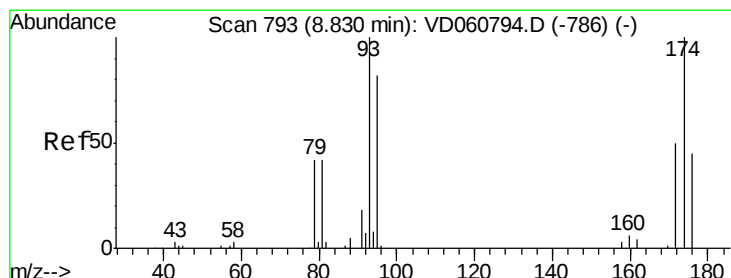
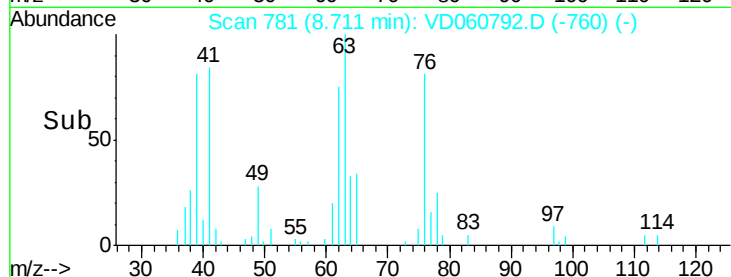
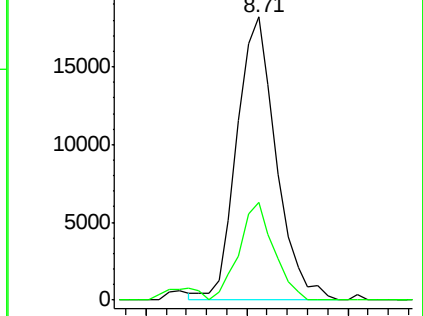
MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 9.156 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

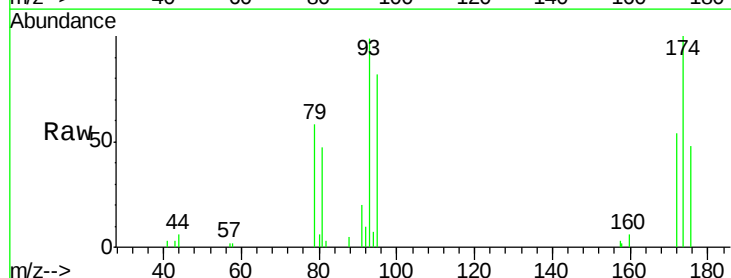
Tgt Ion: 93 Resp: 37788

Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.8

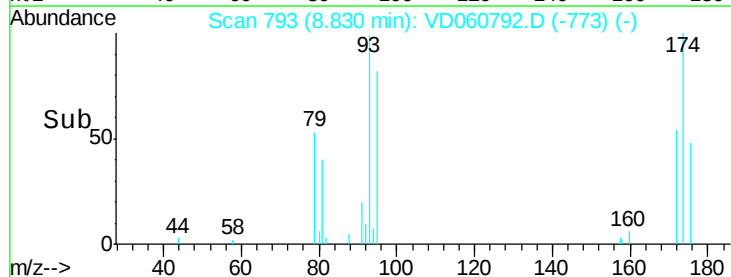
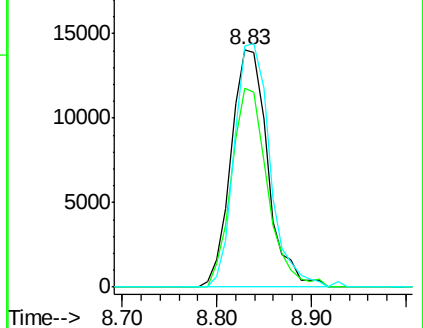
174 101.3 79.8 119.6

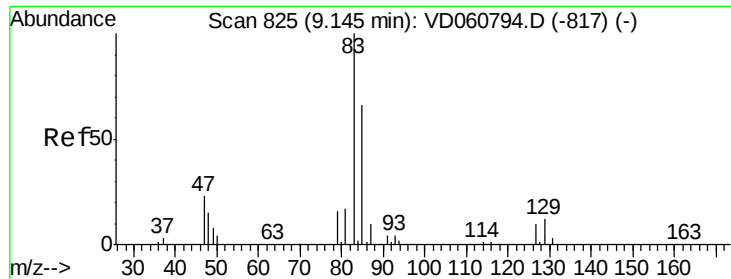


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 8.589 ug/l

RT: 9.14 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

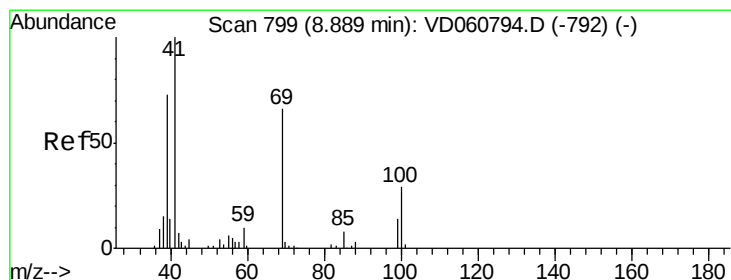
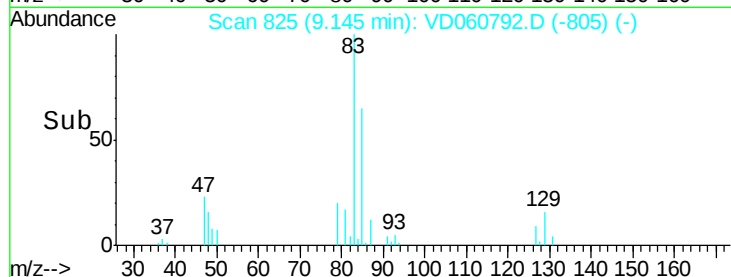
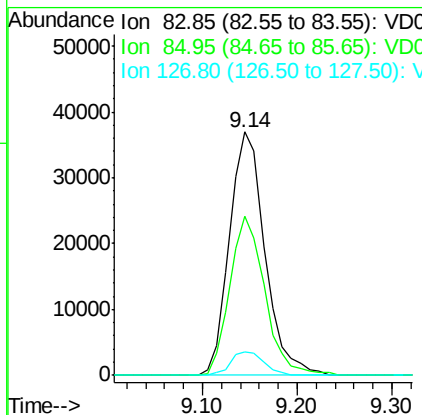
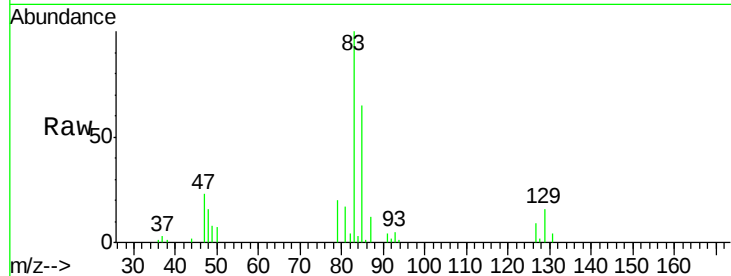
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	95678
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	79.0
127	9.4	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#48

Methyl methacrylate

Concen: 8.856 ug/l

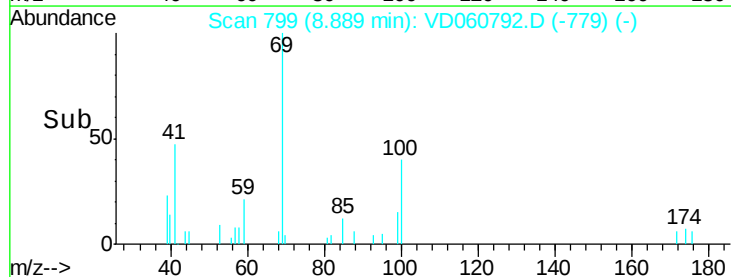
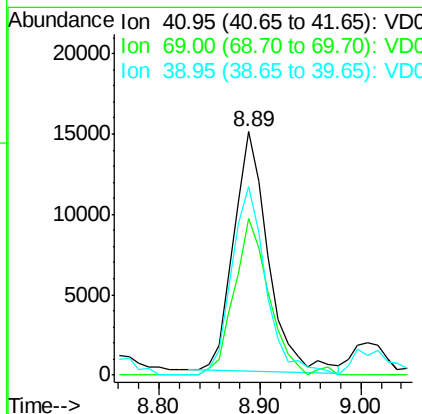
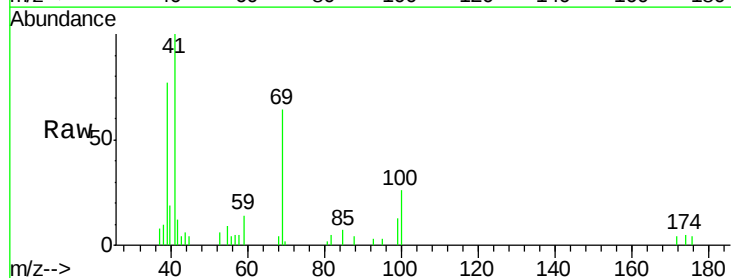
RT: 8.89 min Scan# 799

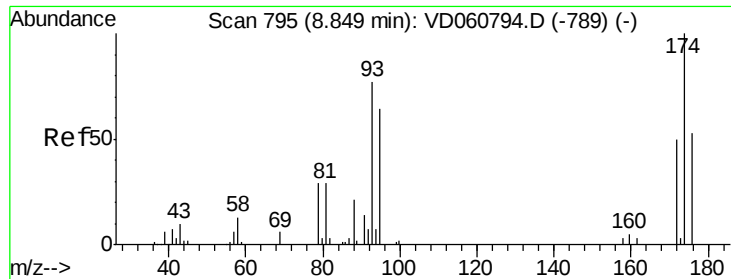
Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion:	41	Resp:	35381
Ion	Ratio	Lower	Upper
41	100		
69	64.4	52.5	78.7
39	77.3	59.0	88.6





#49

1,4-Dioxane

Concen: 163.172 ug/l

RT: 8.86 min Scan# 796

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

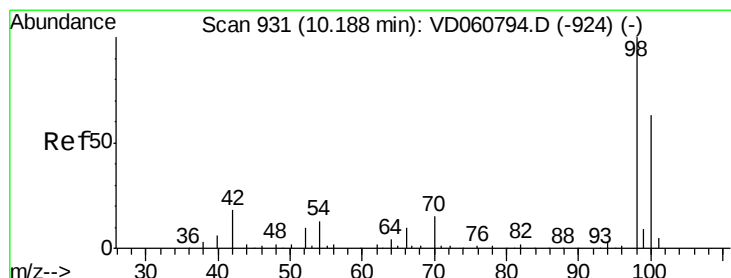
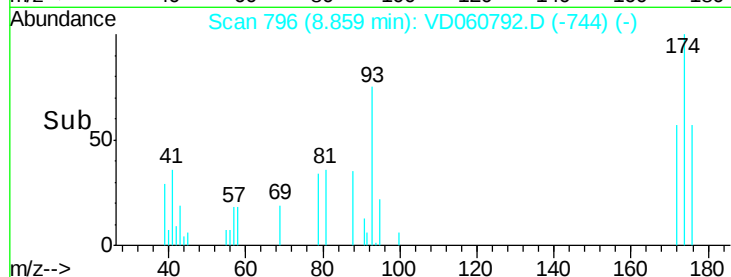
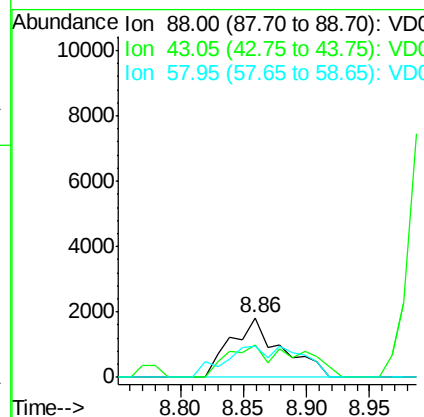
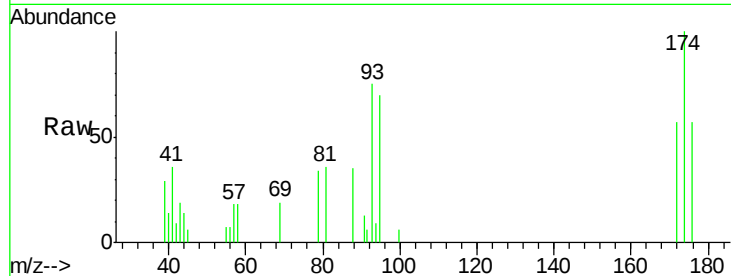
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.6	40.9	61.3
58	52.0	52.2	78.4

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#50

Toluene-d8

Concen: 163.172 ug/l

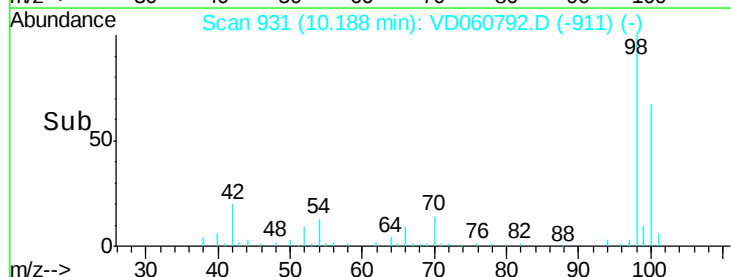
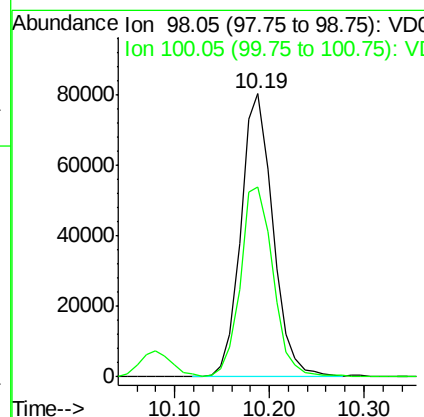
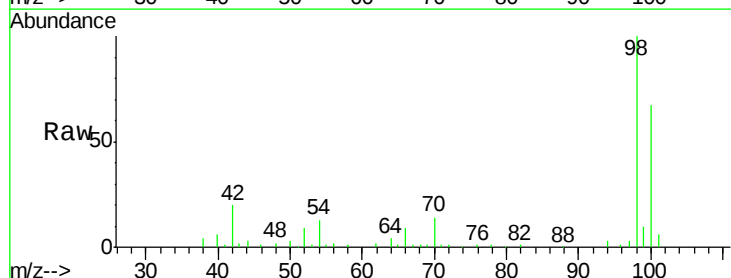
RT: 10.19 min Scan# 931

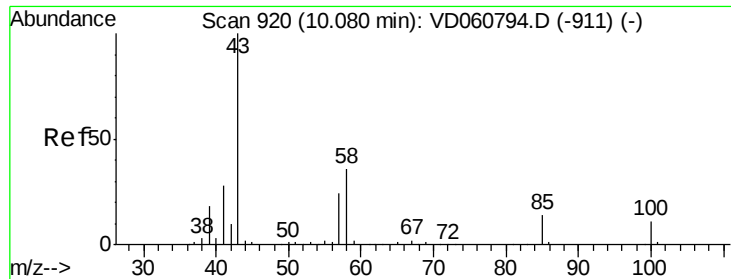
Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 43.705 ug/l

RT: 10.08 min Scan# 920

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 163968

Ion Ratio Lower Upper

43 100

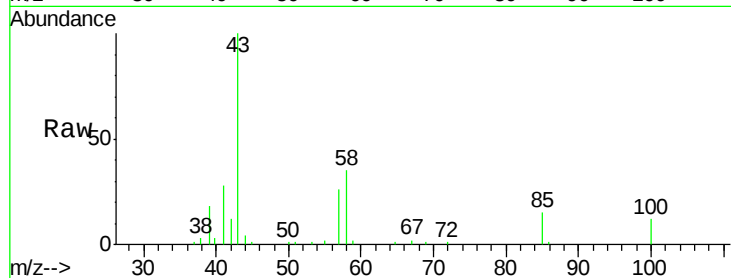
58 35.1 28.4 42.6

Manual Integrations

APPROVED

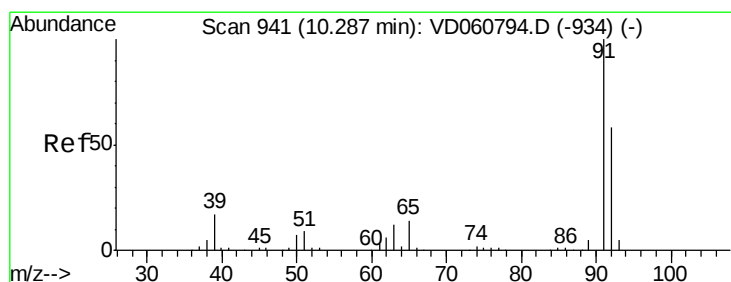
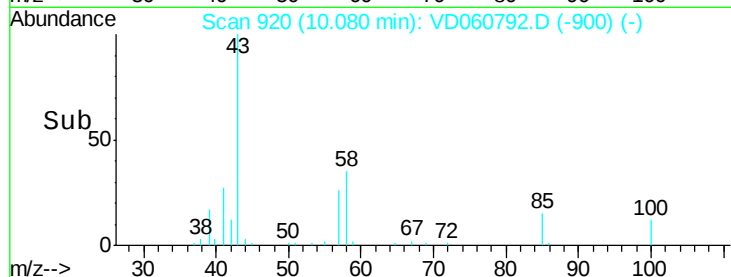
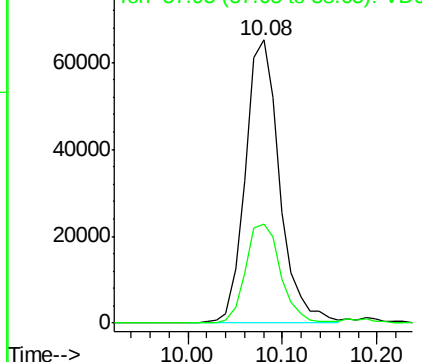
MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 9.781 ug/l

RT: 10.29 min Scan# 941

Delta R.T. -0.00 min

Lab File: VD060792.D

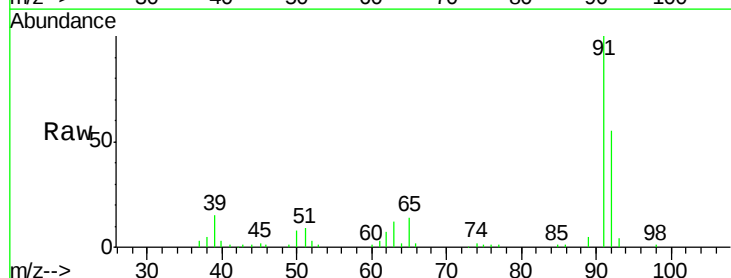
Acq: 28 Jan 2019 15:42

Tgt Ion: 92 Resp: 121846

Ion Ratio Lower Upper

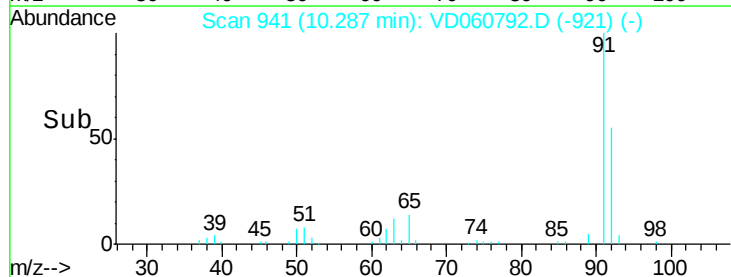
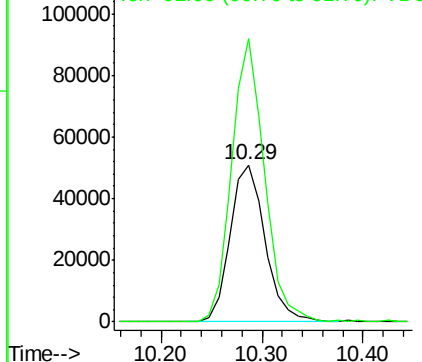
92 100

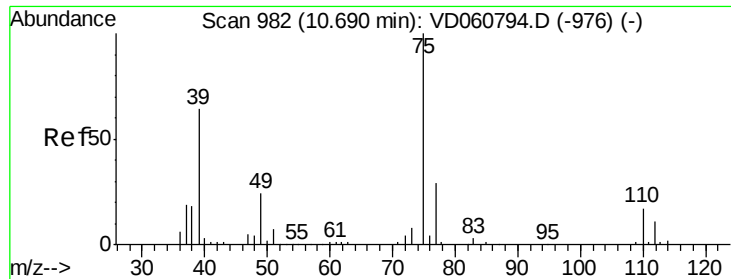
91 180.5 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 9.702 ug/l

RT: 10.69 min Scan# 982

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 95062

Ion Ratio Lower Upper

75 100

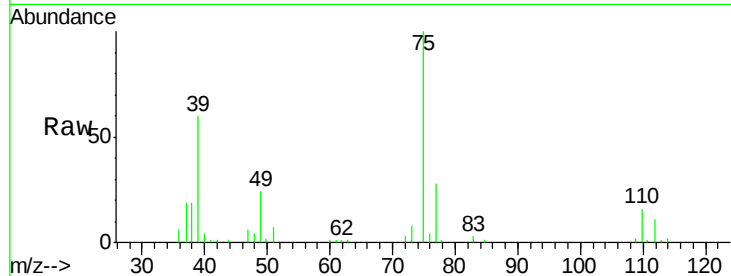
77 27.5 23.0 34.6

Manual Integrations

APPROVED

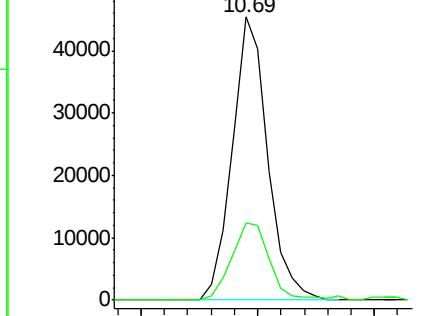
MMDadoda

1/29/2019 4:55:31 PM

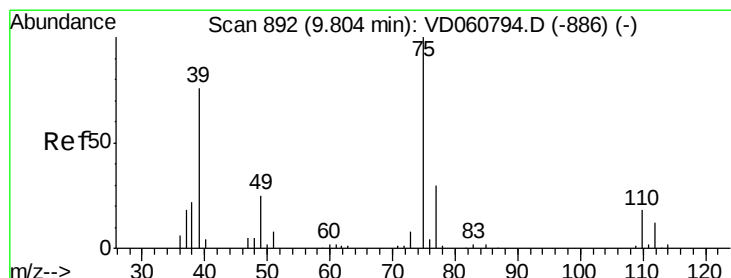
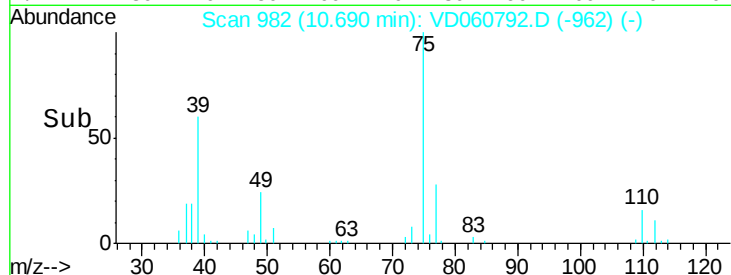


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->



#54

cis-1,3-Dichloropropene

Concen: 9.063 ug/l

RT: 9.81 min Scan# 893

Delta R.T. 0.01 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

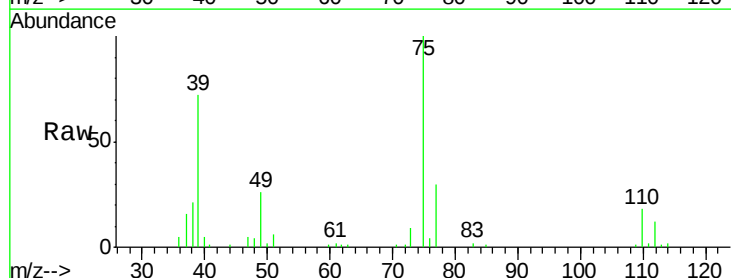
Tgt Ion: 75 Resp: 91065

Ion Ratio Lower Upper

75 100

77 30.3 23.9 35.9

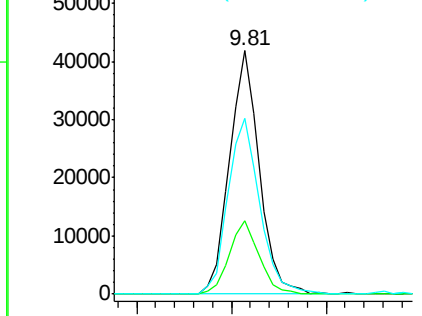
39 72.0 60.4 90.6



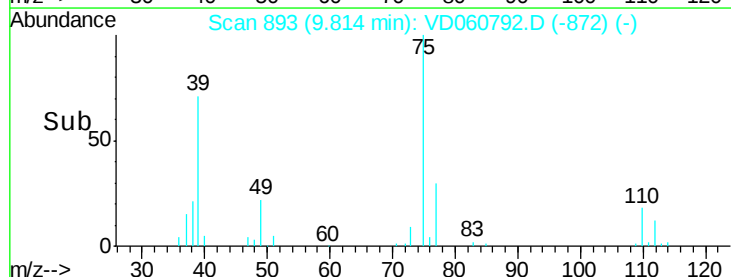
Abundance Ion 75.00 (74.70 to 75.70): VDC

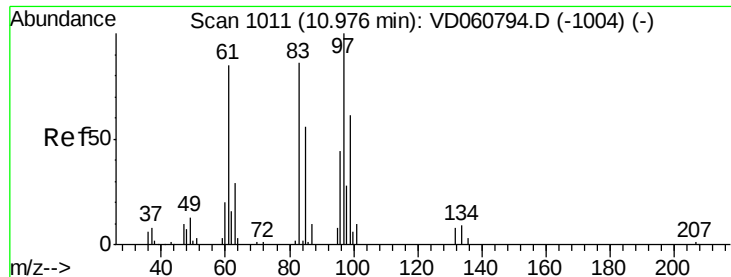
Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



Time-->





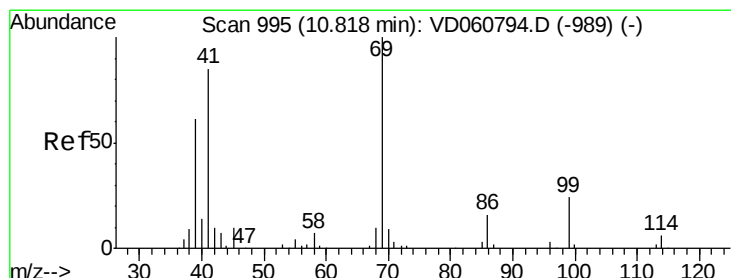
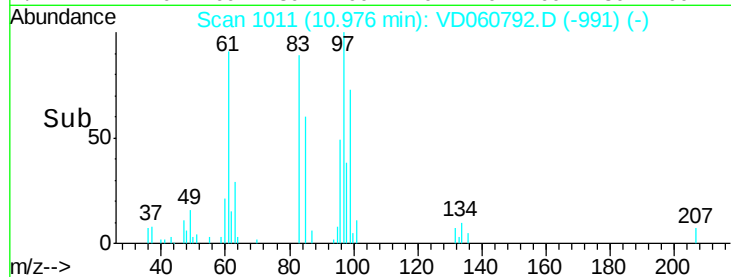
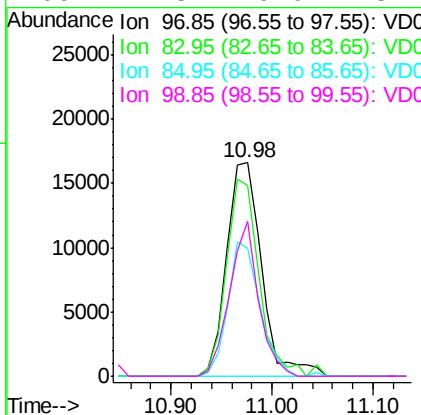
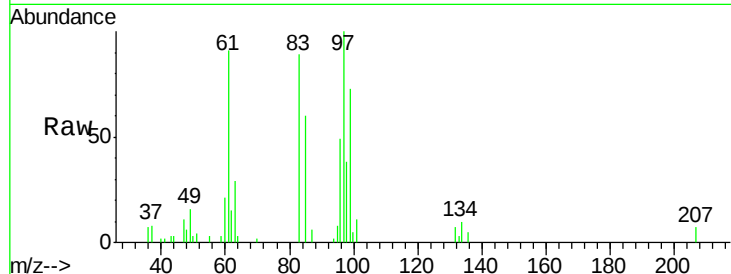
#55
 1,1,2-Trichloroethane
 Concen: 9.459 ug/l
 RT: 10.98 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40175		
83	89.4	68.5	102.7		
85	59.7	45.0	67.6		
99	72.5	49.0	73.4		

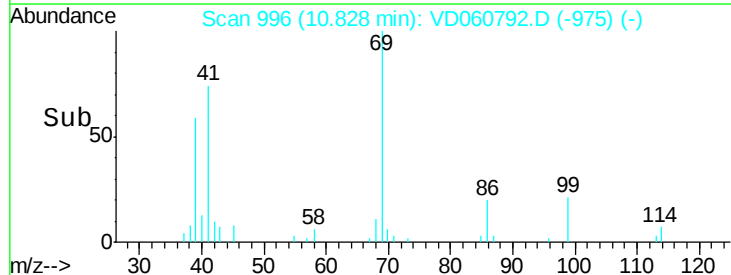
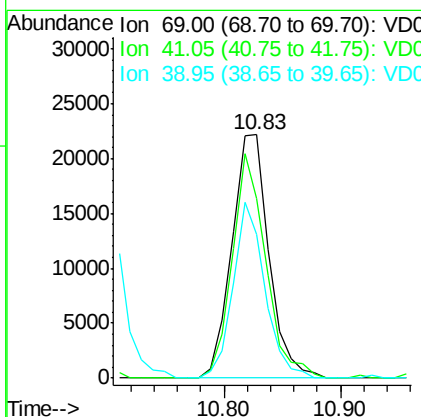
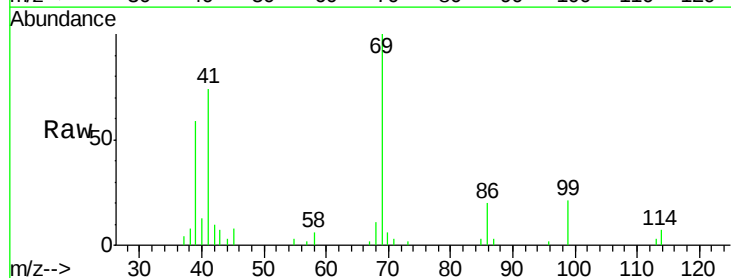
Manual Integrations
 APPROVED

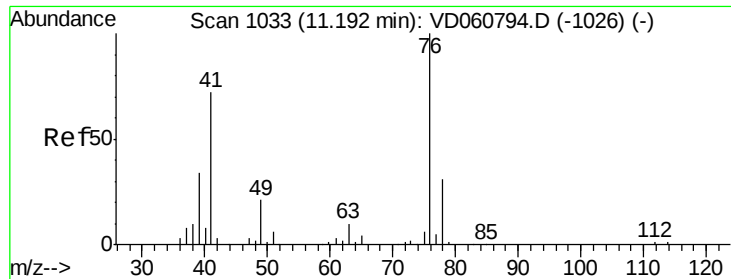
MMDadoda
 1/29/2019 4:55:31 PM



#56
 Ethyl methacrylate
 Concen: 9.509 ug/l
 RT: 10.83 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		48925		
41	74.0	68.2	102.2		
39	58.8	49.4	74.0		





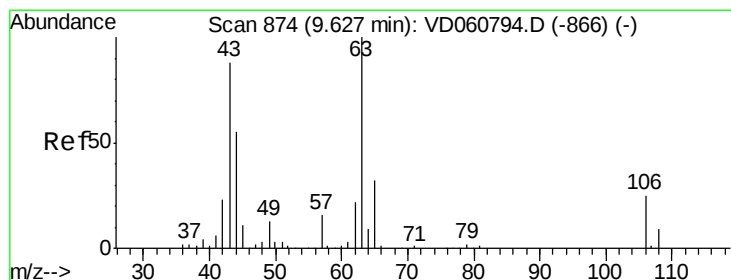
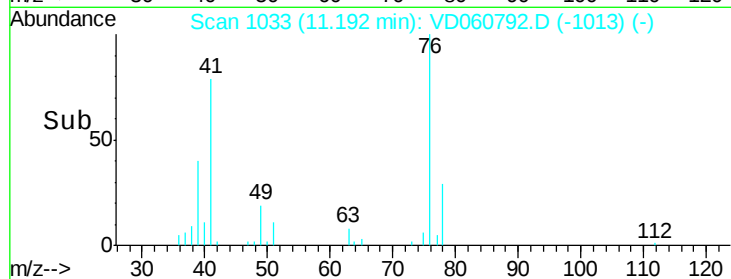
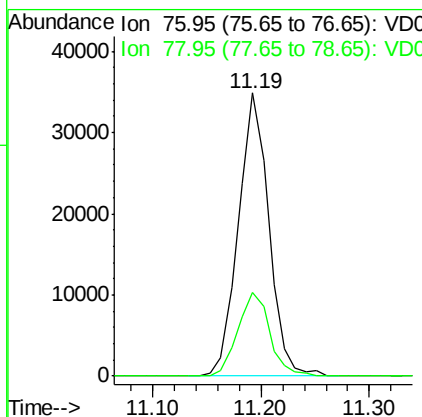
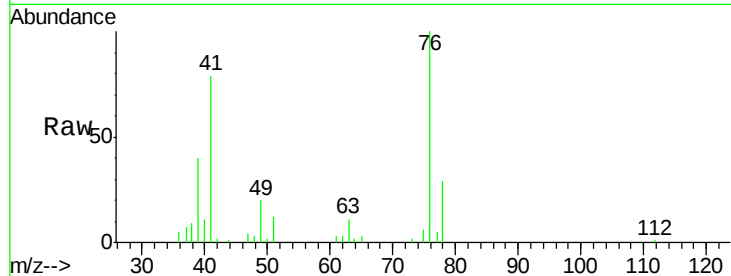
#57
 1,3-Dichloropropane
 Concen: 9.420 ug/l
 RT: 11.19 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 76 Resp: 68375
 Ion Ratio Lower Upper
 76 100
 78 29.5 24.5 36.7

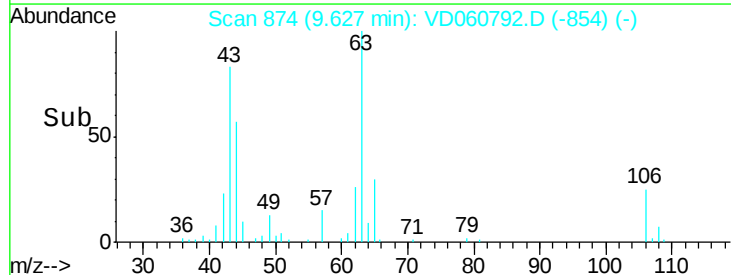
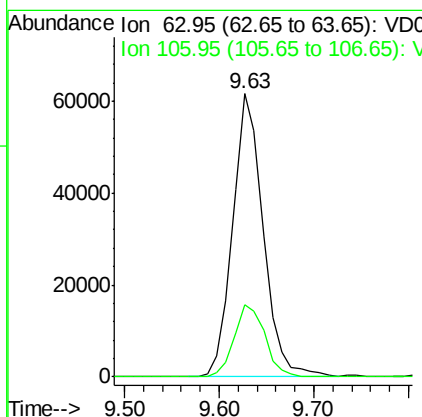
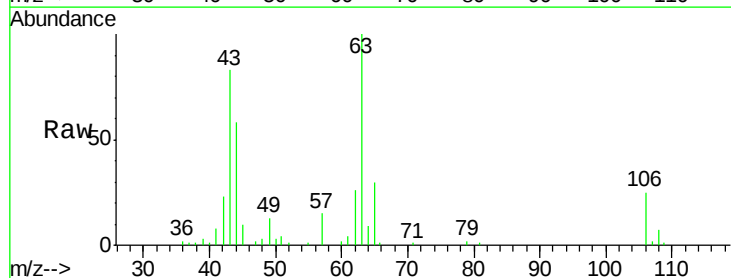
Manual Integrations
 APPROVED

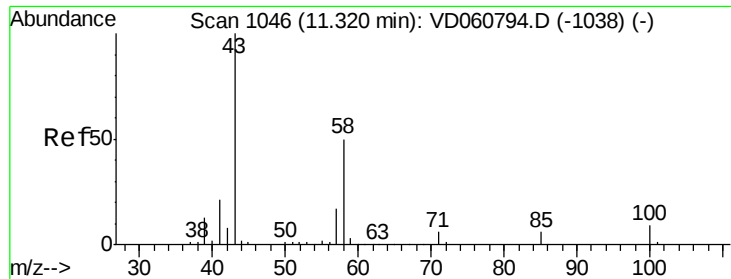
MMDadoda
 1/29/2019 4:55:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 50.910 ug/l
 RT: 9.63 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 63 Resp: 137437
 Ion Ratio Lower Upper
 63 100
 106 25.4 19.9 29.9





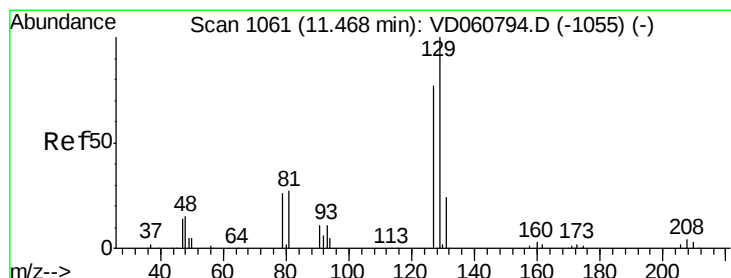
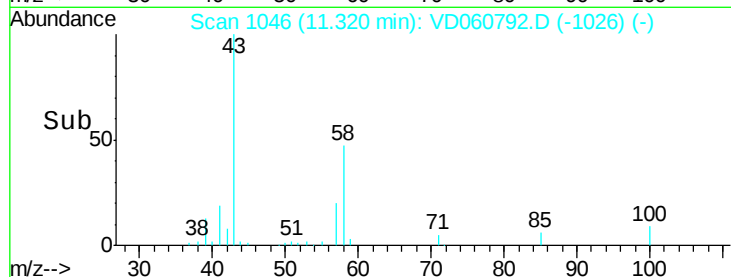
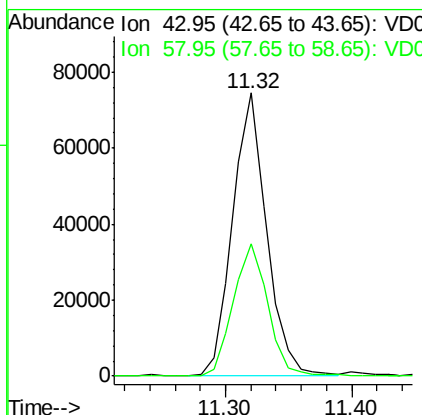
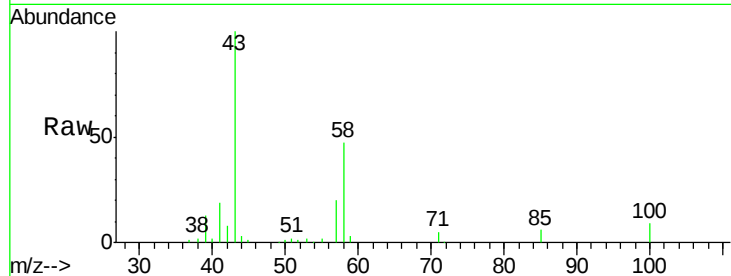
#59
2-Hexanone
Concen: 49.297 ug/l
RT: 11.32 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 139062
Ion Ratio Lower Upper
43 100
58 46.7 25.0 75.0

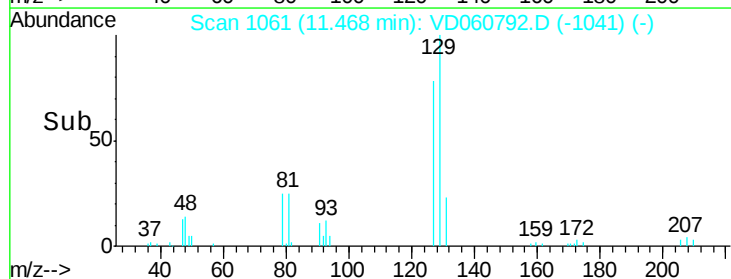
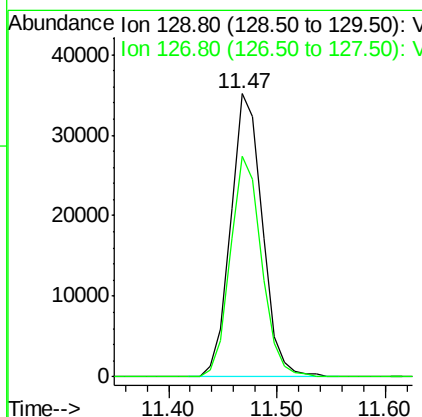
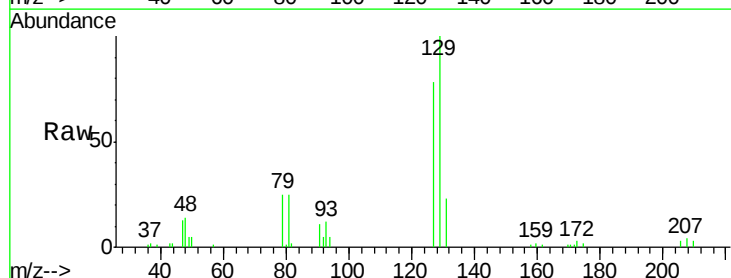
Manual Integrations
APPROVED

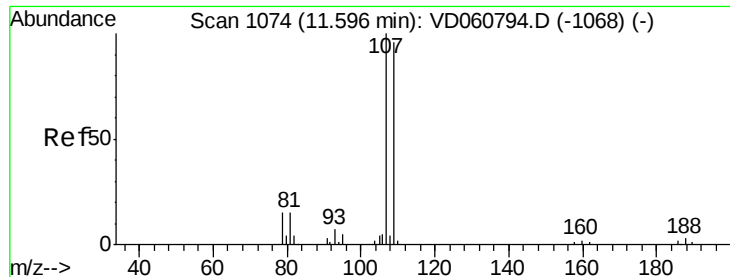
MMDadoda
1/29/2019 4:55:31 PM



#60
Dibromochloromethane
Concen: 9.365 ug/l
RT: 11.47 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 129 Resp: 71506
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





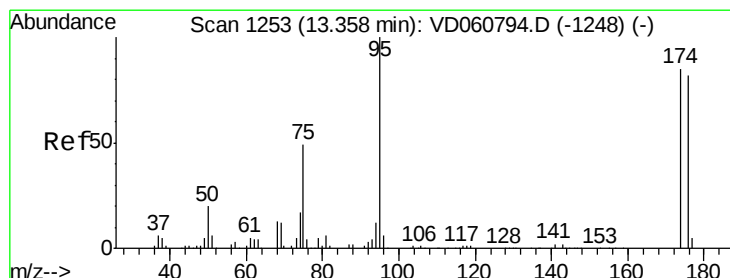
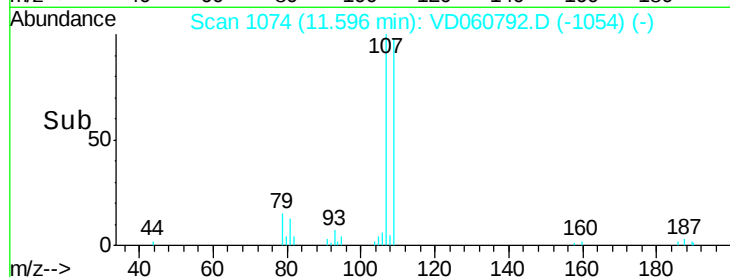
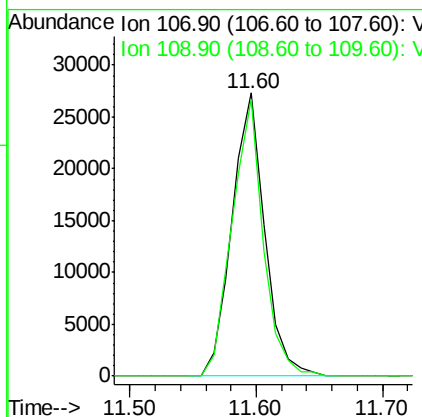
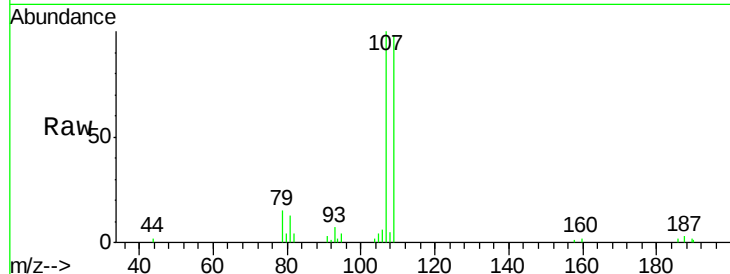
#61
 1,2-Dibromoethane
 Concen: 9.728 ug/l
 RT: 11.60 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:107 Resp: 48662
 Ion Ratio Lower Upper
 107 100
 109 97.8 76.6 114.8

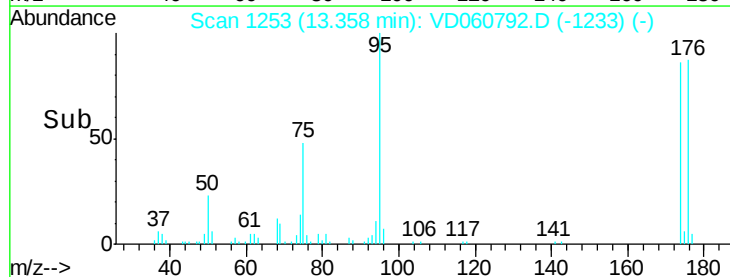
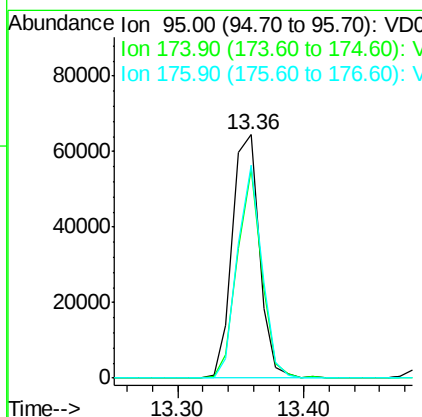
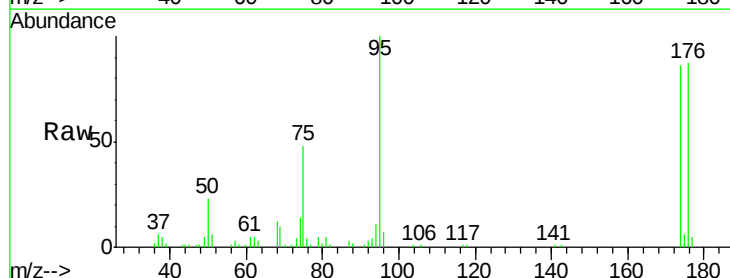
Manual Integrations
 APPROVED

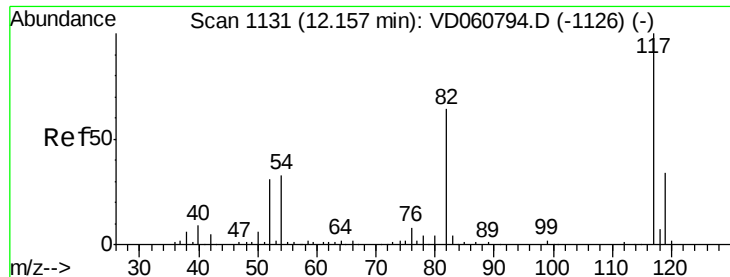
MMDadoda
 1/29/2019 4:55:31 PM



#62
 4-Bromofluorobenzene
 Concen: 9.728 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion: 95 Resp: 95572
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 169.6
 176 87.4 0.0 163.8





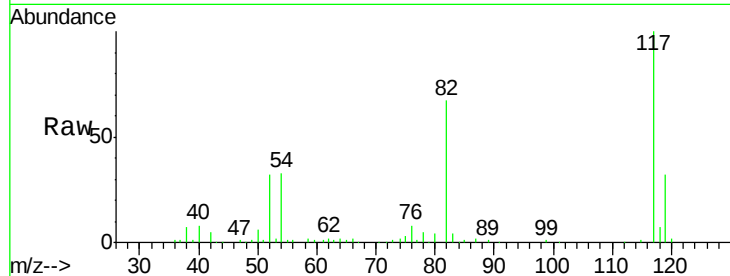
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.16 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.0	51.5	77.3
119	32.4	27.1	40.7

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM

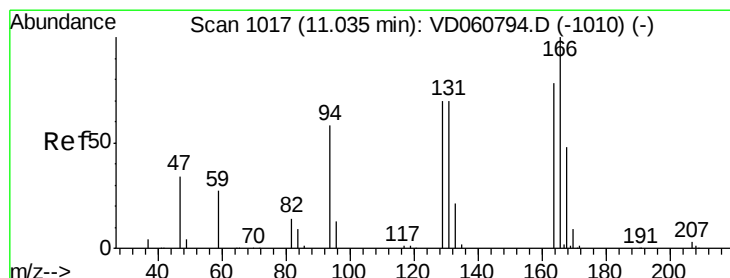
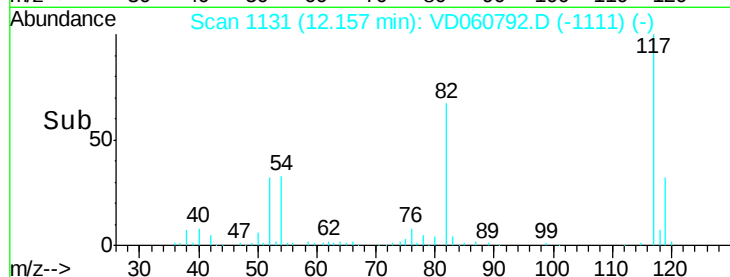
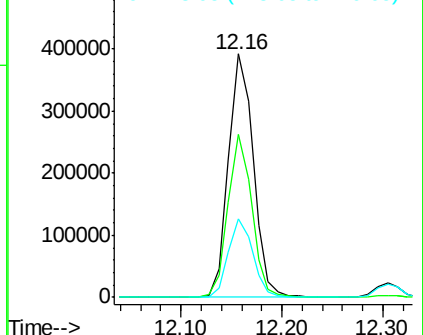


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 9.588 ug/l
RT: 11.03 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.6	154.0
129	91.9	72.3	108.5
131	95.1	72.1	108.1

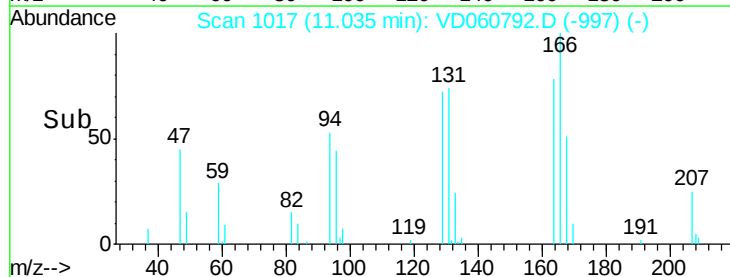
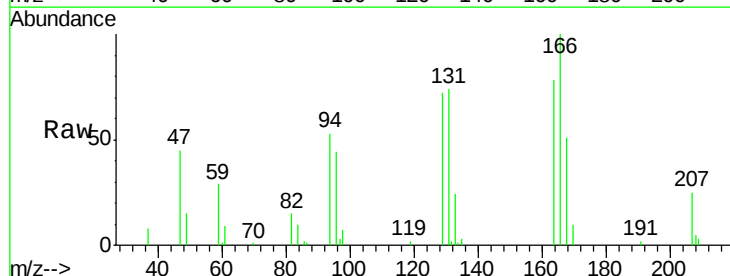
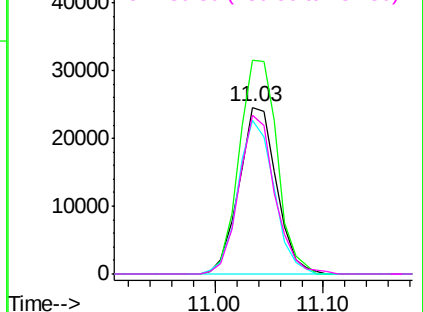
Abundance

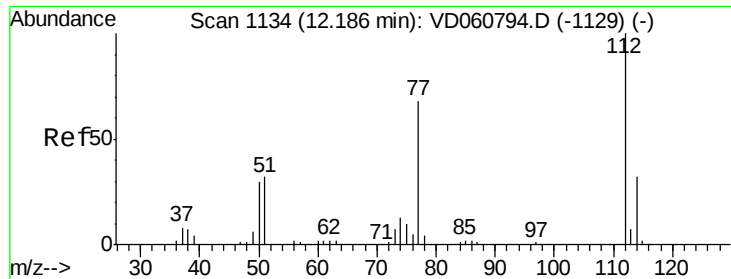
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





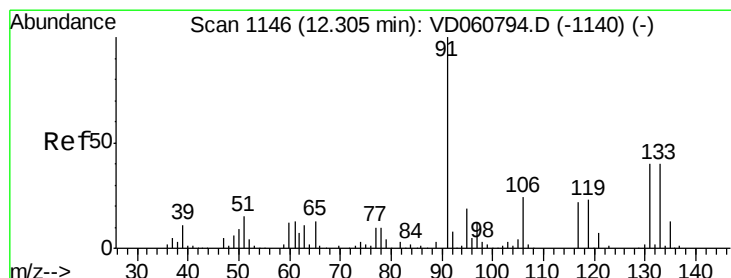
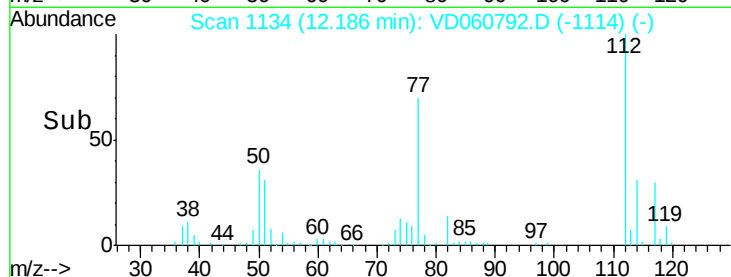
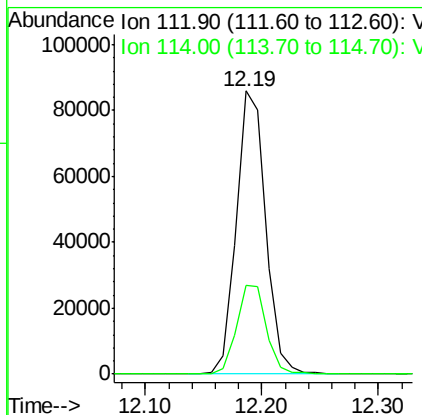
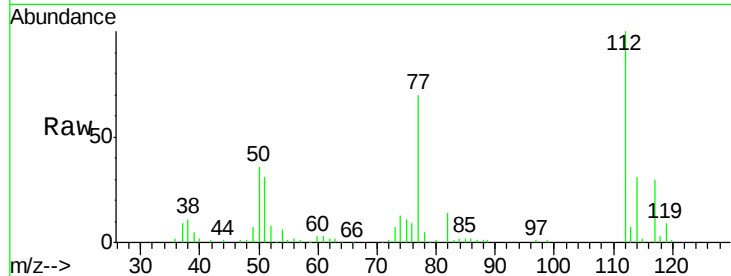
#65
Chlorobenzene
Concen: 9.731 ug/l
RT: 12.19 min Scan# 1134
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 149317
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

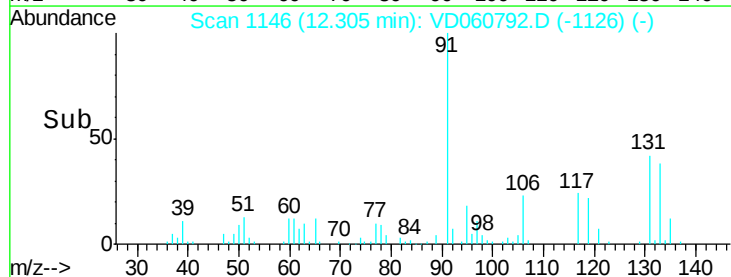
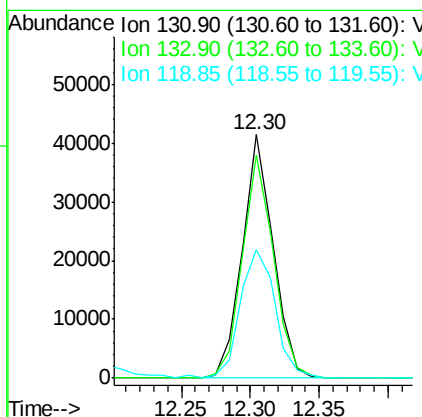
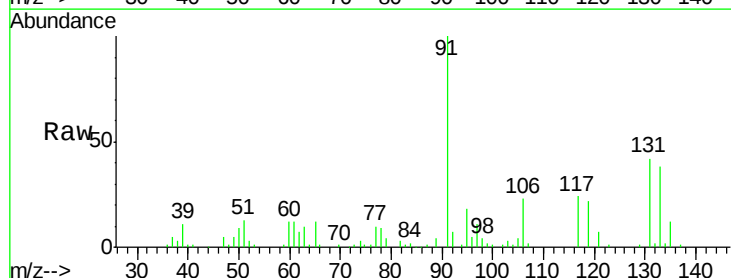
Manual Integrations
APPROVED

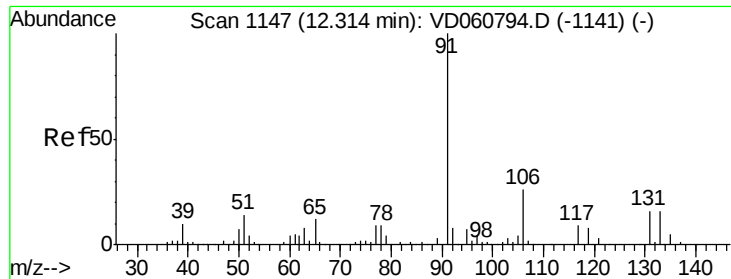
MMDadoda
1/29/2019 4:55:31 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.861 ug/l
RT: 12.30 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion:131 Resp: 65012
Ion Ratio Lower Upper
131 100
133 91.5 49.9 149.7
119 52.7 28.5 85.5





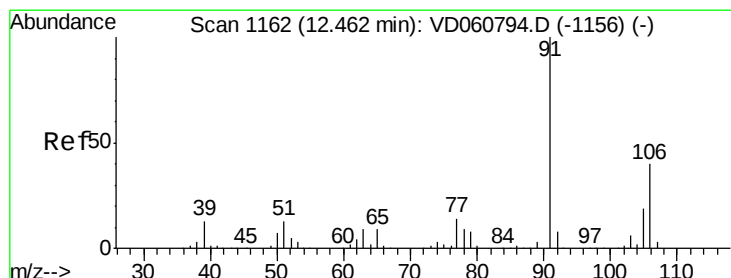
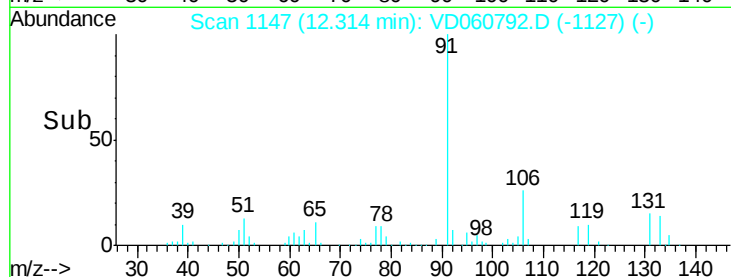
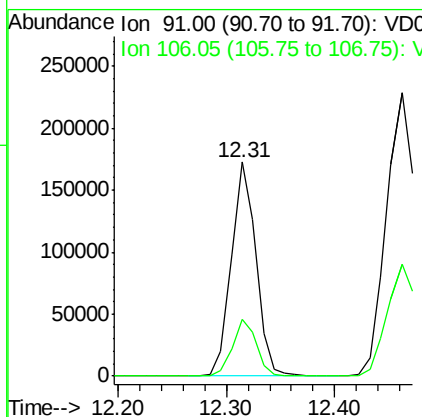
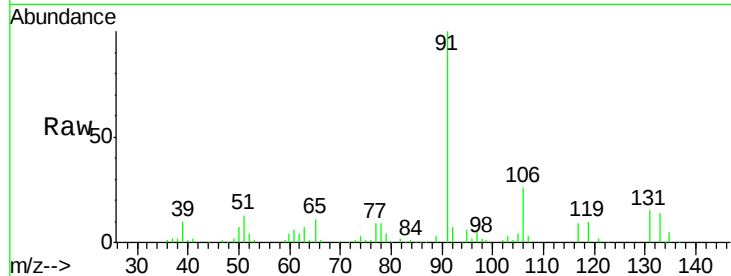
#67
Ethyl Benzene
Concen: 9.942 ug/l
RT: 12.31 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 274328
Ion Ratio Lower Upper
91 100
106 26.4 21.0 31.6

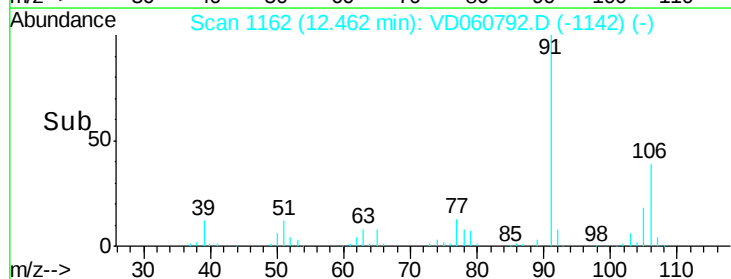
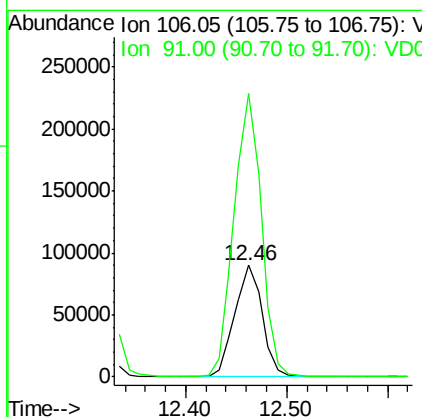
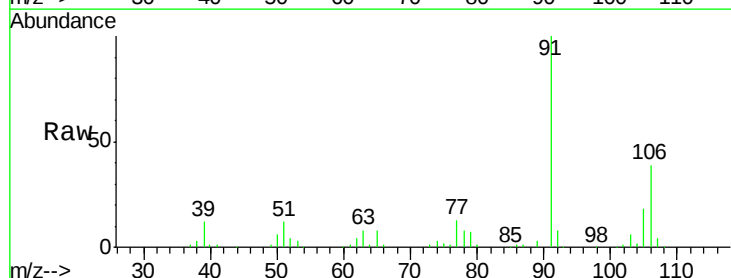
Manual Integrations
APPROVED

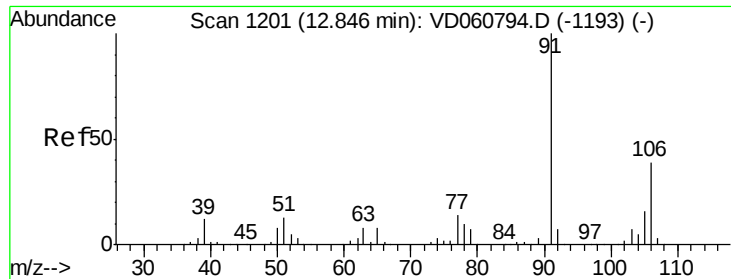
MMDadoda
1/29/2019 4:55:31 PM



#68
m/p-Xylenes
Concen: 19.082 ug/l
RT: 12.46 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion: 106 Resp: 171300
Ion Ratio Lower Upper
106 100
91 253.4 200.5 300.7





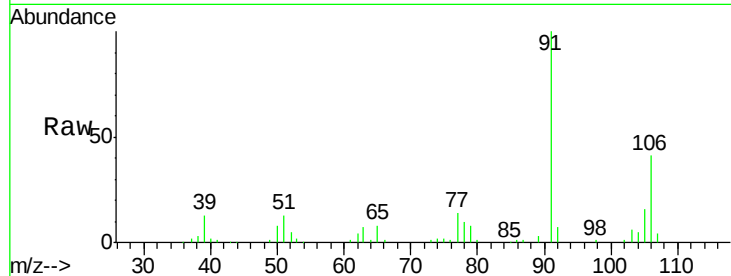
#69
o-Xylene
Concen: 9.975 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

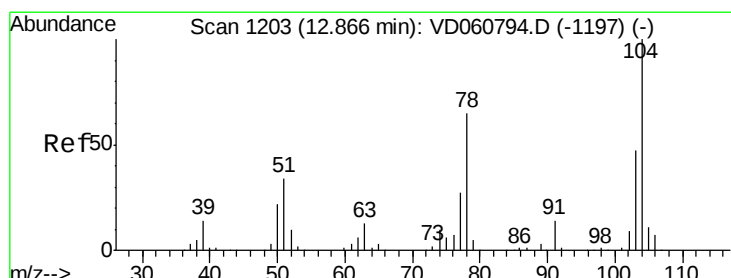
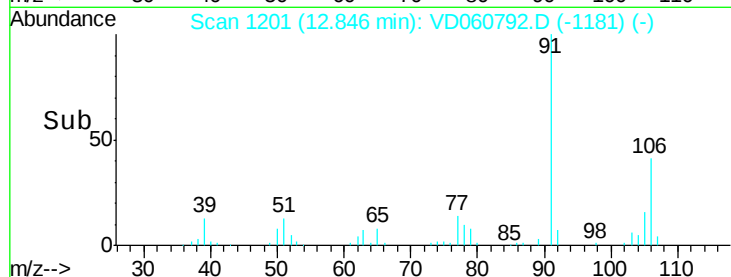
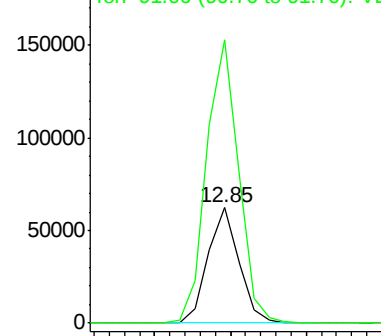
Tot Ion:106 Resp: 88632
Ion Ratio Lower Upper
106 100
91 244.8 127.6 382.7

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM

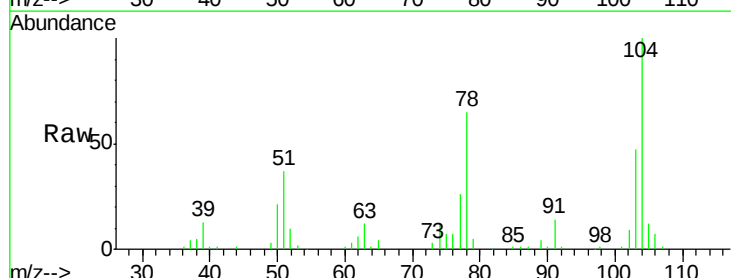


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

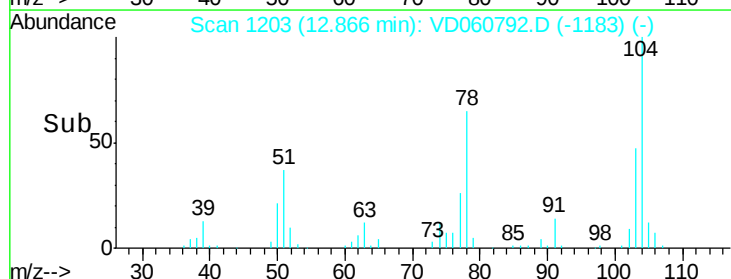
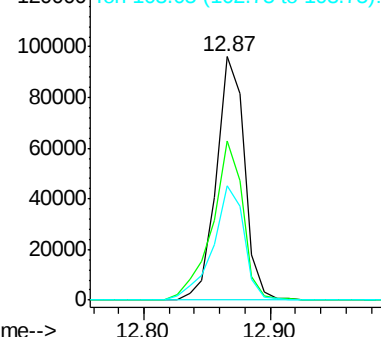


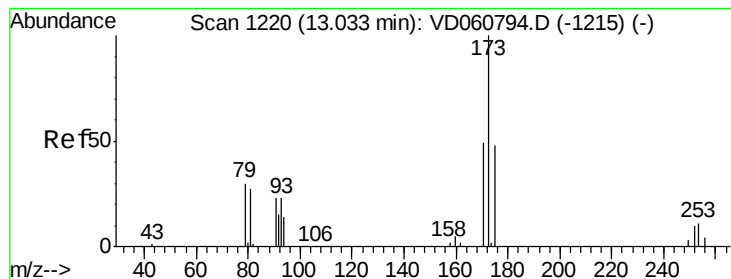
#70
Styrene
Concen: 9.931 ug/l
RT: 12.87 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion:104 Resp: 147975
Ion Ratio Lower Upper
104 100
78 65.1 52.0 78.0
103 46.8 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 8.516 ug/l

RT: 13.03 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

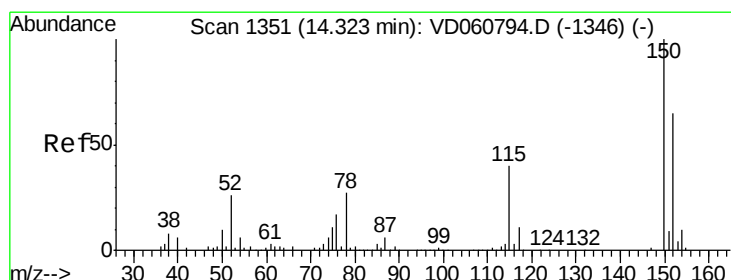
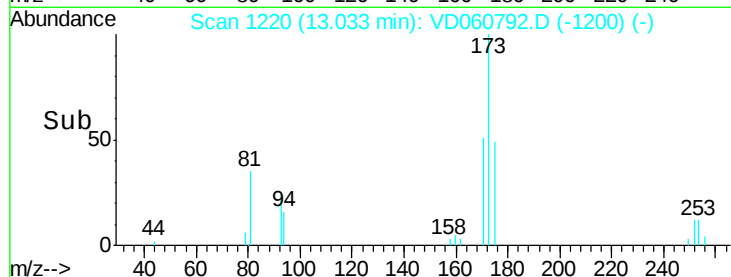
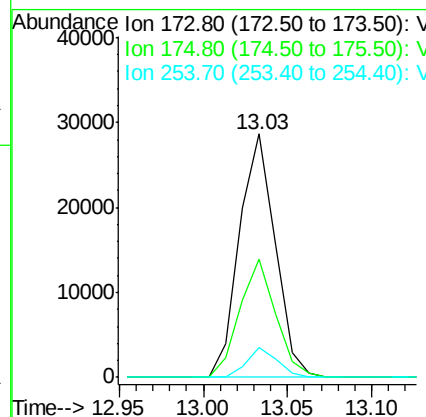
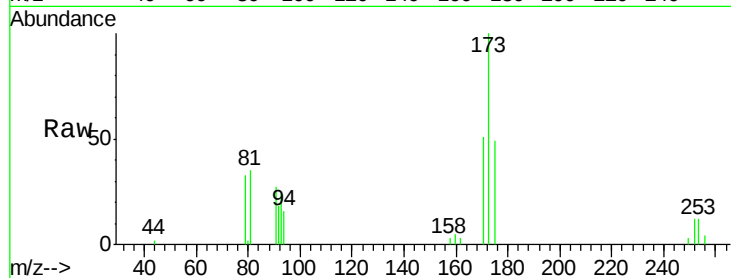
ClientSampleId :

VSTDIC010

Tot Ion:	173	Resp:	42302
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.1	72.4
254	12.0	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

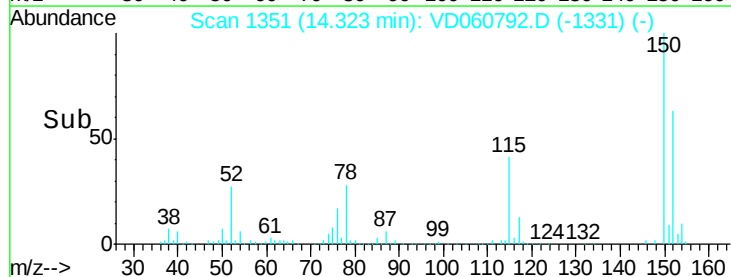
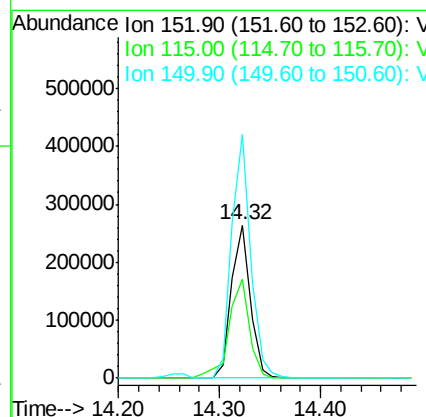
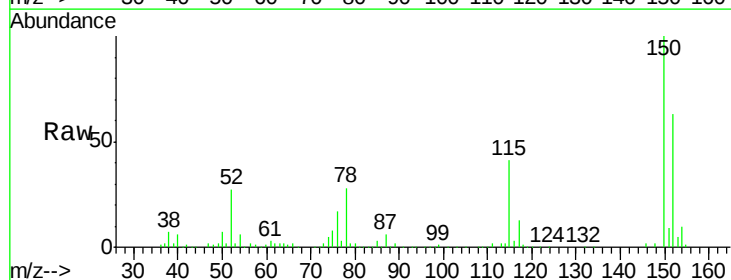
RT: 14.32 min Scan# 1351

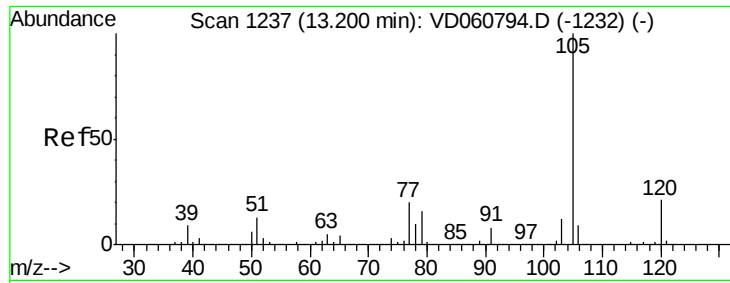
Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion:	152	Resp:	343704
Ion Ratio	Lower	Upper	
152	100		
115	64.6	31.6	95.0
150	159.0	0.0	317.6





#73

Isopropylbenzene

Concen: 9.917 ug/l

RT: 13.20 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 271770

Ion Ratio Lower Upper

105 100

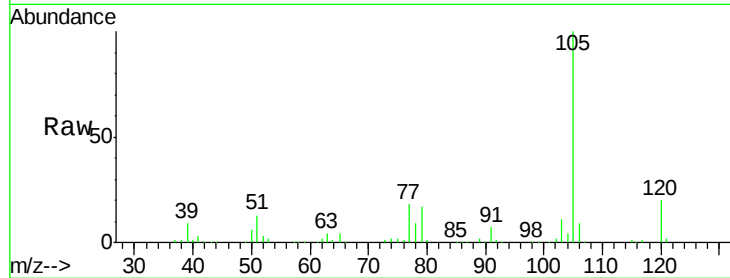
120 20.4 10.7 32.1

Manual Integrations

APPROVED

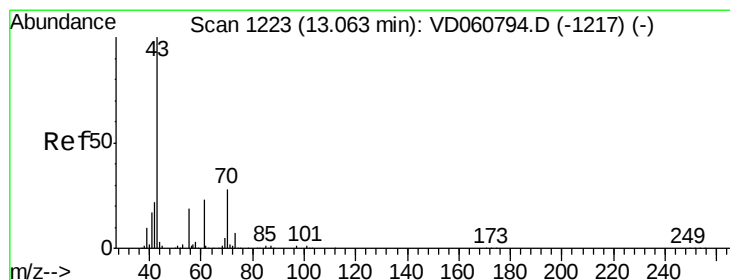
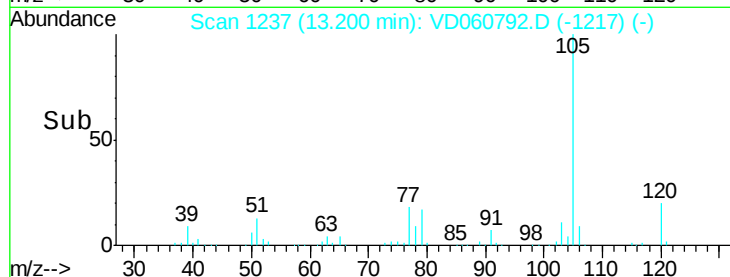
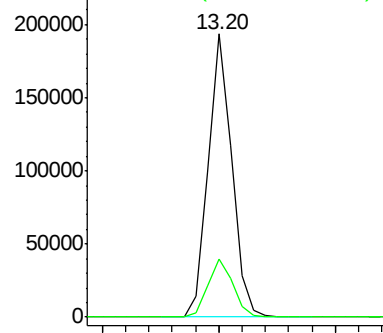
MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.020 ug/l

RT: 13.06 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion: 43 Resp: 75986

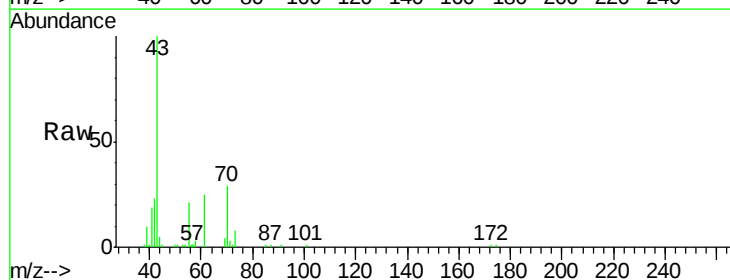
Ion Ratio Lower Upper

43 100

70 29.3 22.2 33.4

55 20.8 15.5 23.3

61 24.7 18.4 27.6

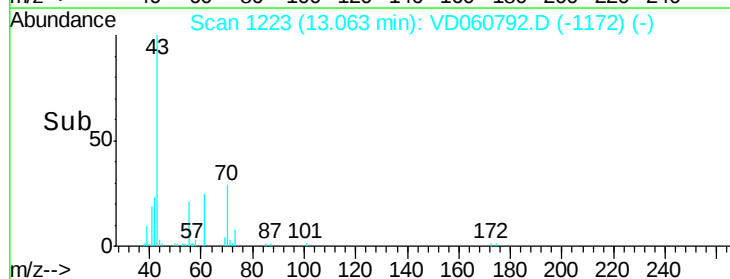
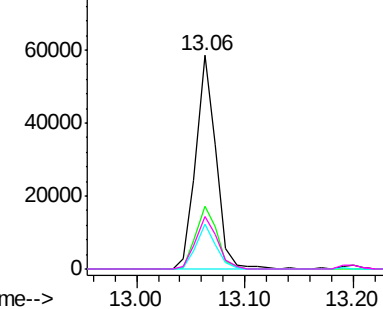


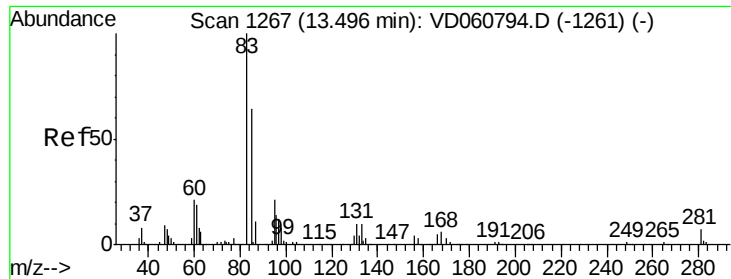
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 8.740 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

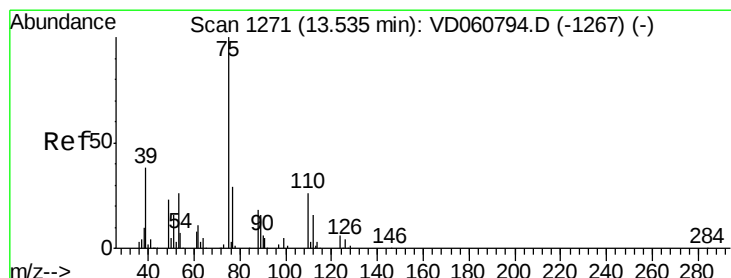
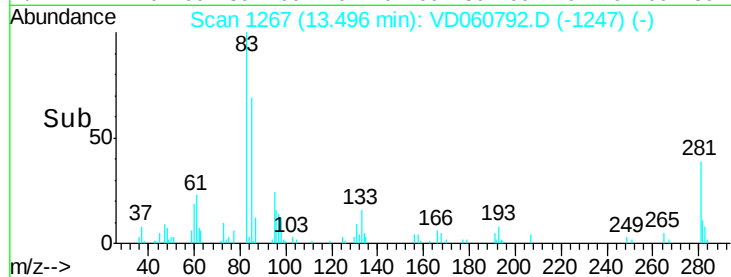
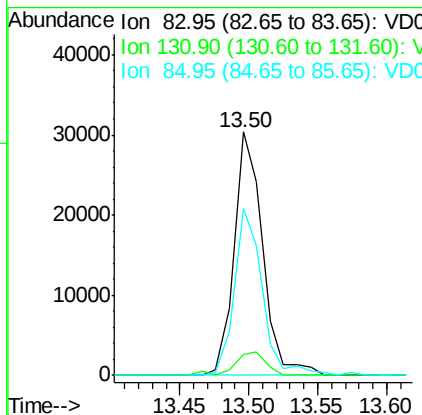
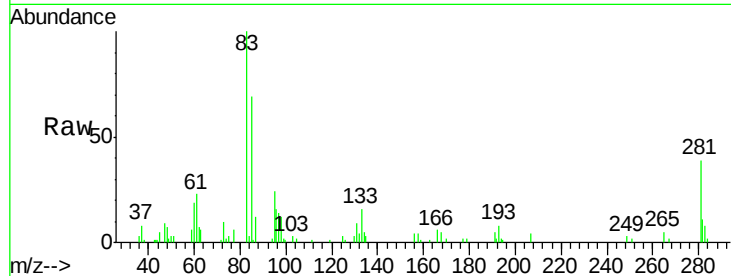
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	43610
Ion Ratio	Lower	Upper	
83	100		
131	8.6	5.0	15.0
85	68.7	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#76

1,2,3-Trichloropropane

Concen: 9.217 ug/l

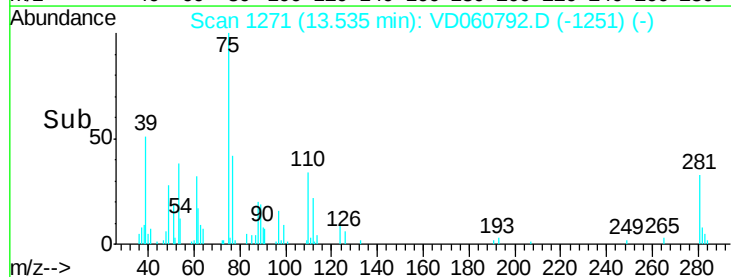
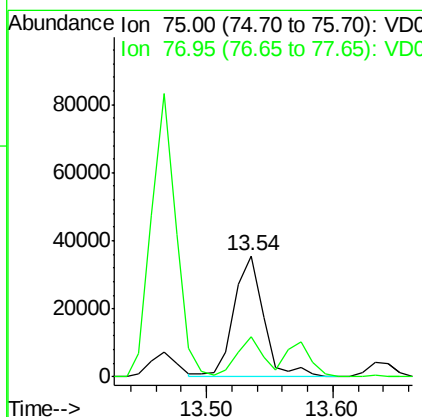
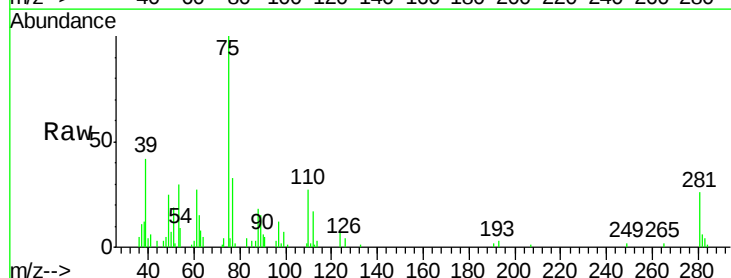
RT: 13.54 min Scan# 1271

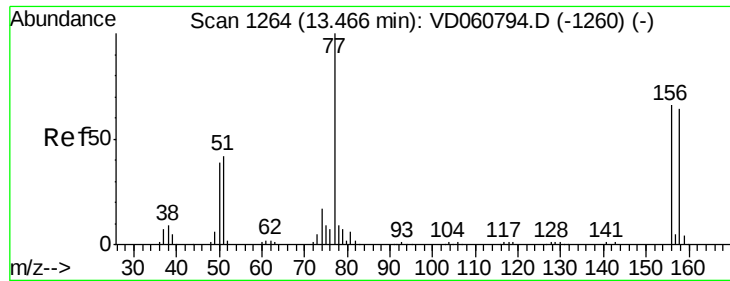
Delta R.T. 0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion:	75	Resp:	58091
Ion Ratio	Lower	Upper	
75	100		
77	32.6	15.9	47.7





#77

Bromobenzene

Concen: 9.834 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 69275

Ion Ratio Lower Upper

156 100

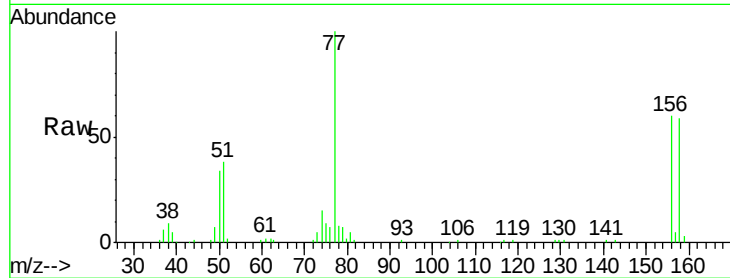
77 166.8 76.0 228.0

158 99.0 48.4 145.0

Manual Integrations
APPROVED

MMDadoda

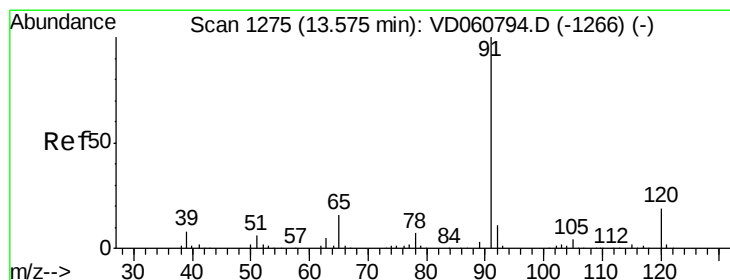
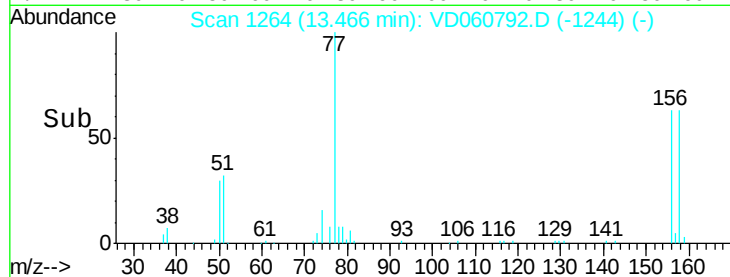
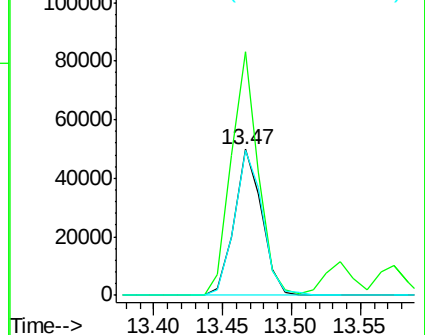
1/29/2019 4:55:31 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 9.442 ug/l

RT: 13.57 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060792.D

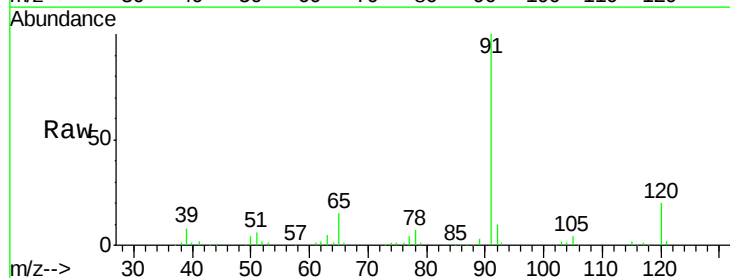
Acq: 28 Jan 2019 15:42

Tgt Ion: 91 Resp: 324825

Ion Ratio Lower Upper

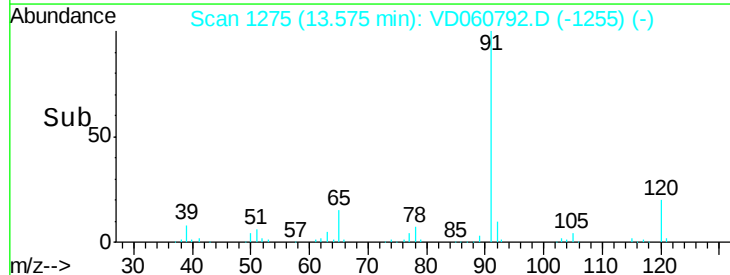
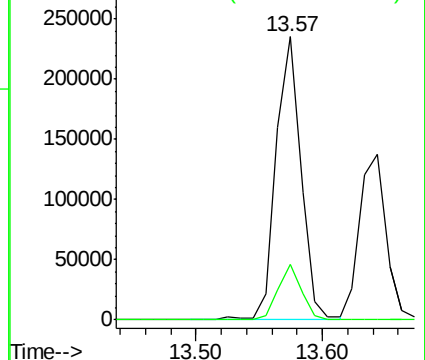
91 100

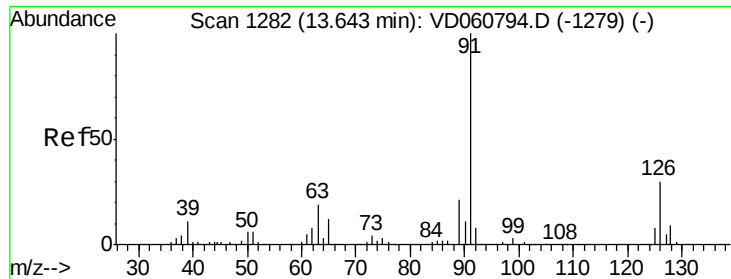
120 19.6 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 9.482 ug/l

RT: 13.64 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 198947

Ion Ratio Lower Upper

91 100

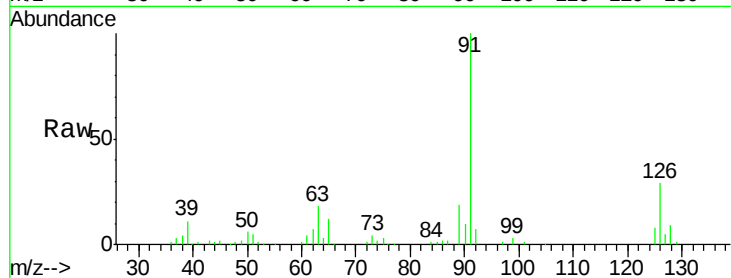
126 28.7 14.7 44.1

Manual Integrations

APPROVED

MMDadoda

1/29/2019 4:55:31 PM



Abundance Ion 91.00 (90.70 to 91.70): VD060794.D (-1279) (-)

Ion 125.95 (125.65 to 126.65): VD060794.D (-1279) (-)

250000

200000

150000

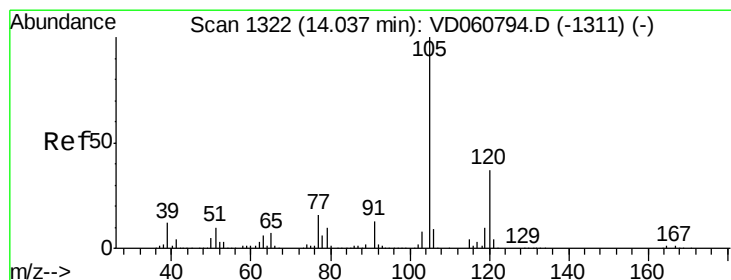
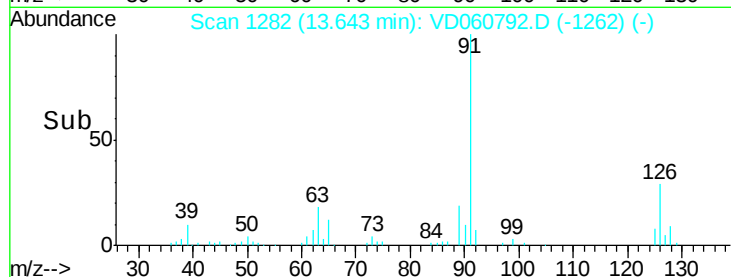
100000

50000

0

13.60 13.65 13.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 9.358 ug/l

RT: 14.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VD060792.D

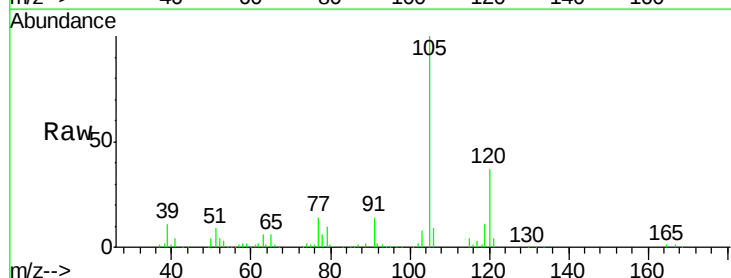
Acq: 28 Jan 2019 15:42

Tgt Ion:105 Resp: 220770

Ion Ratio Lower Upper

105 100

120 36.6 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060794.D (-1311) (-)

Ion 120.05 (119.75 to 120.75): VD060794.D (-1311) (-)

200000

150000

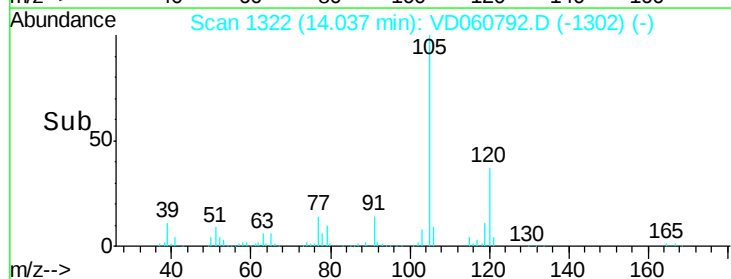
100000

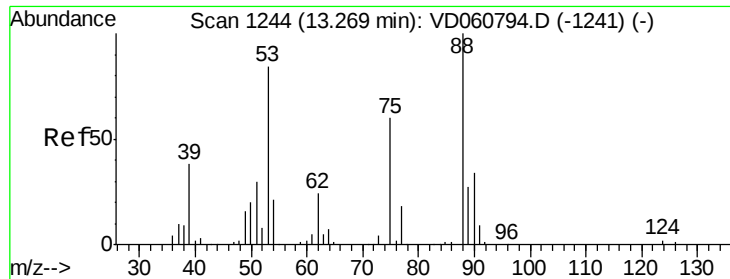
50000

0

13.90 14.00 14.10

Time-->





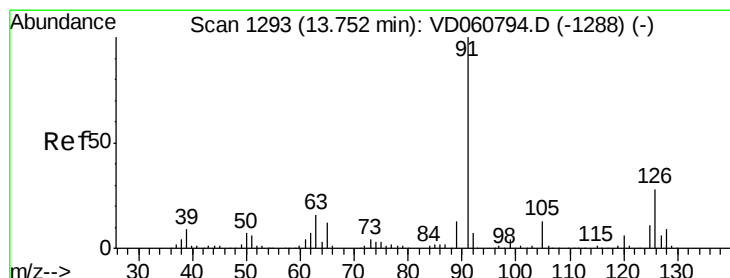
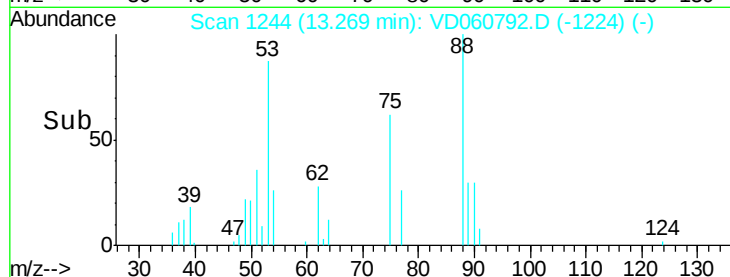
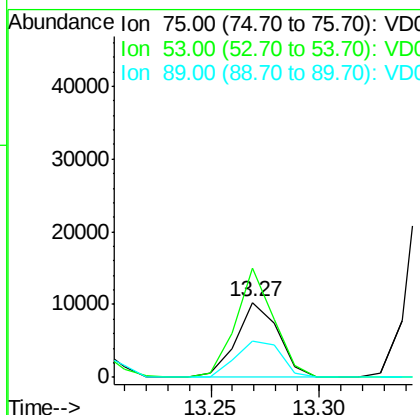
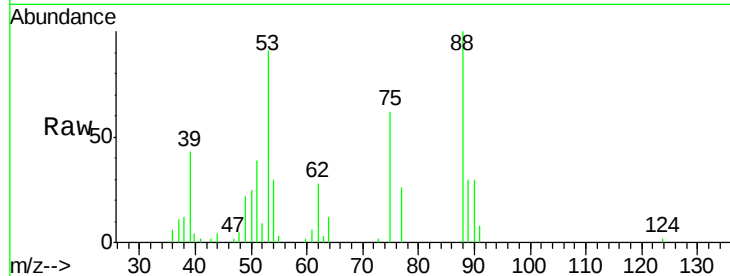
#81
trans-1,4-Dichloro-2-butene
Concen: 8.539 ug/l
RT: 13.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	146.5	111.6	167.4
89	49.1	35.9	53.9

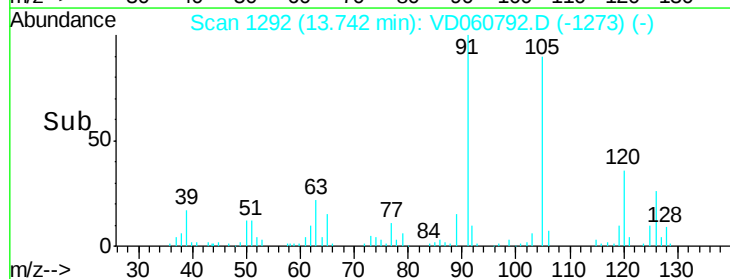
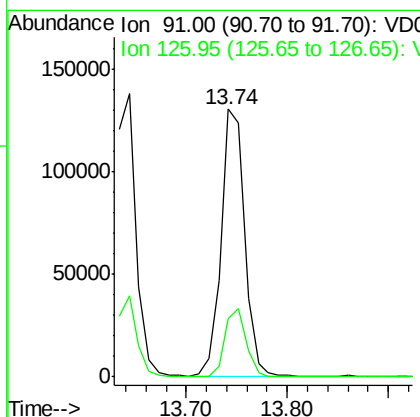
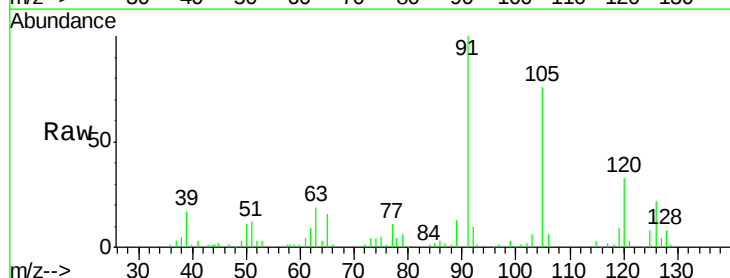
Manual Integrations
APPROVED

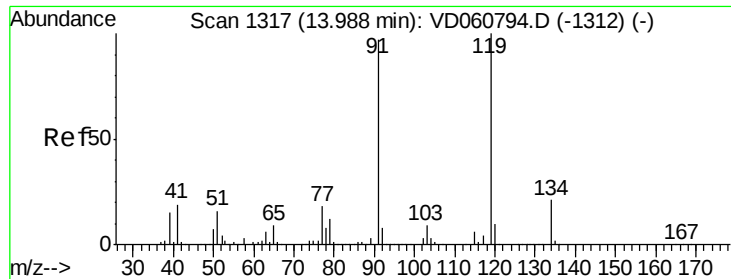
MMDadoda
1/29/2019 4:55:31 PM



#82
4-Chlorotoluene
Concen: 9.171 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	21.7	13.9	41.7





#83

tert-Butylbenzene

Concen: 9.024 ug/l

RT: 13.99 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

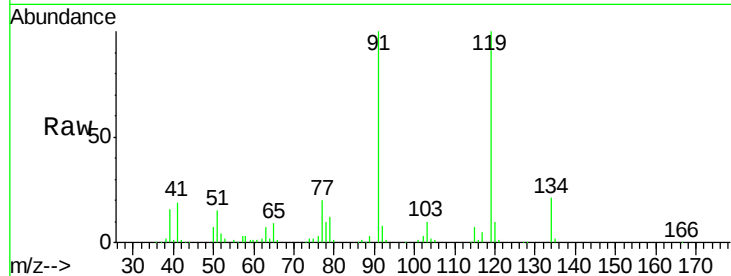
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		222733		
91	99.7	48.5	145.5		
134	20.6	10.3	30.8		

Manual Integrations
APPROVED

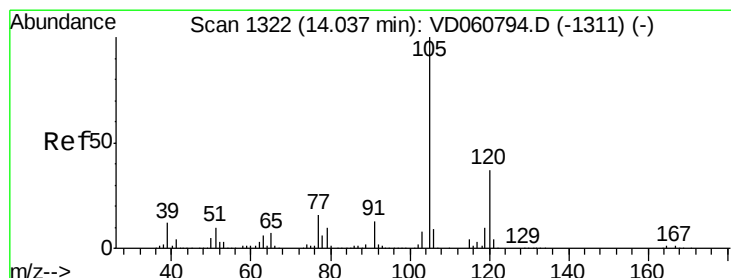
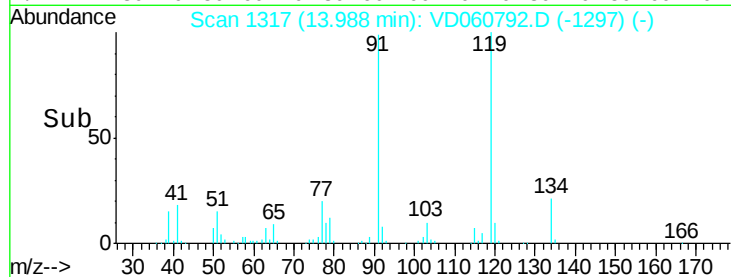
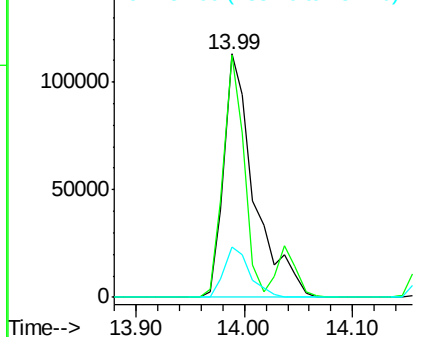
MMDadoda
1/29/2019 4:55:31 PM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 9.358 ug/l

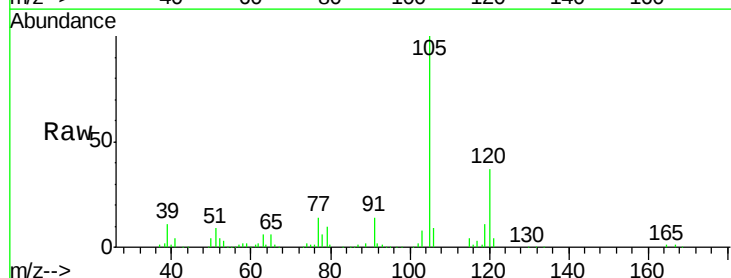
RT: 14.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VD060792.D

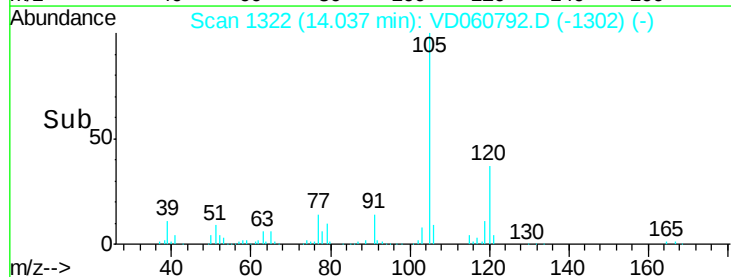
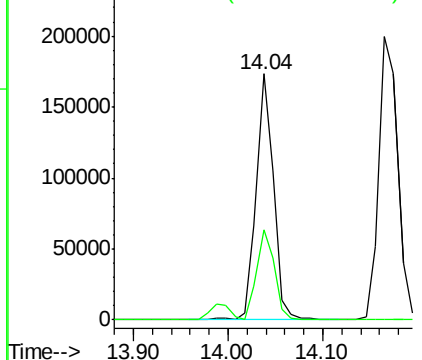
Acq: 28 Jan 2019 15:42

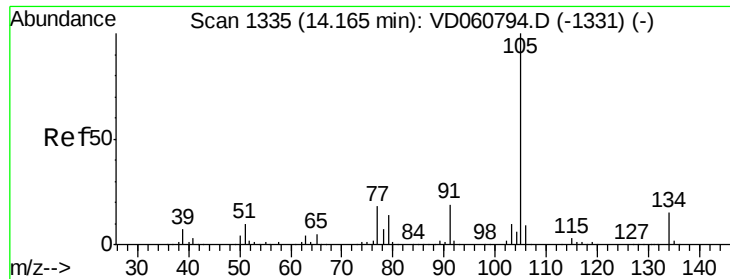
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		220770		
120	36.6	18.4	55.2		



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





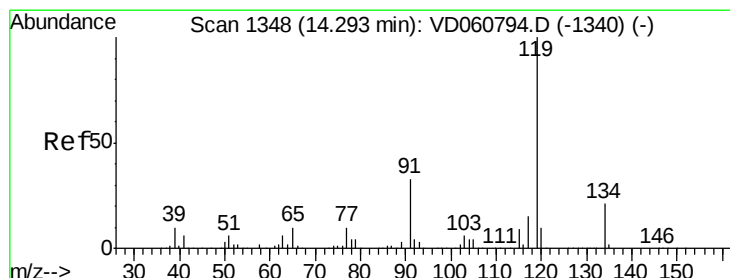
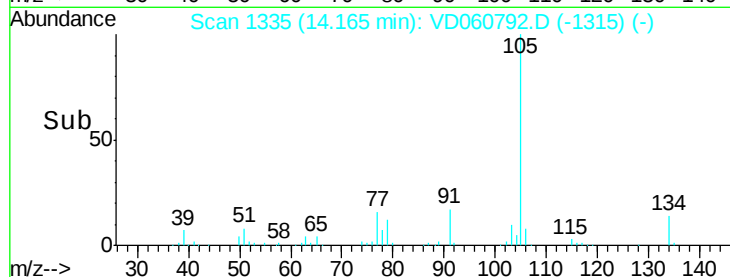
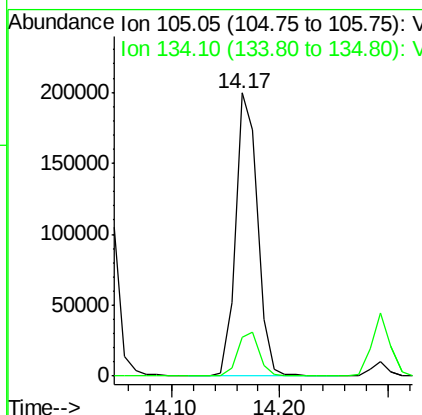
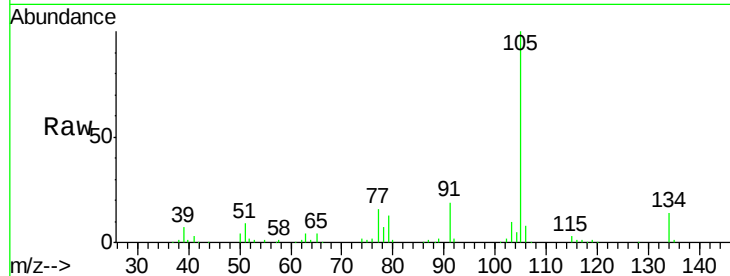
#85
 sec-Butylbenzene
 Concen: 9.983 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:105 Resp: 280491
 Ion Ratio Lower Upper
 105 100
 134 13.8 7.4 22.2

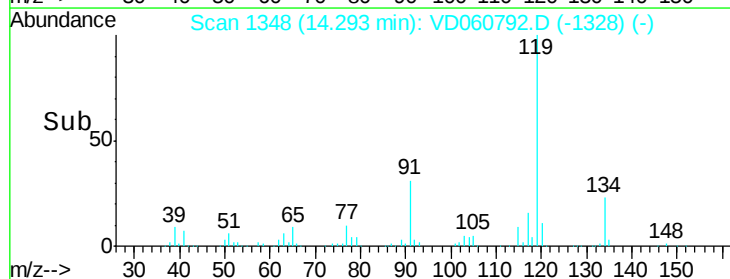
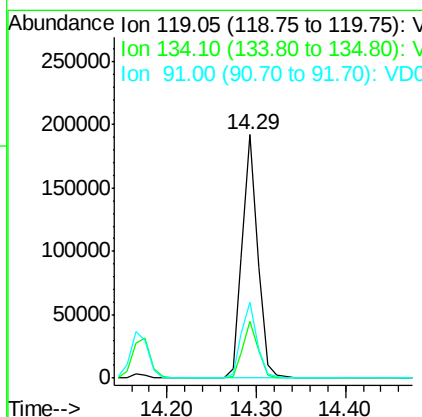
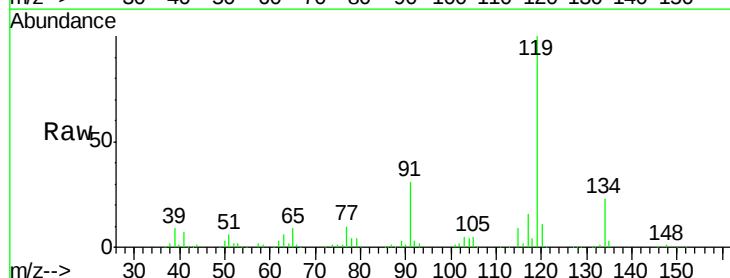
Manual Integrations
 APPROVED

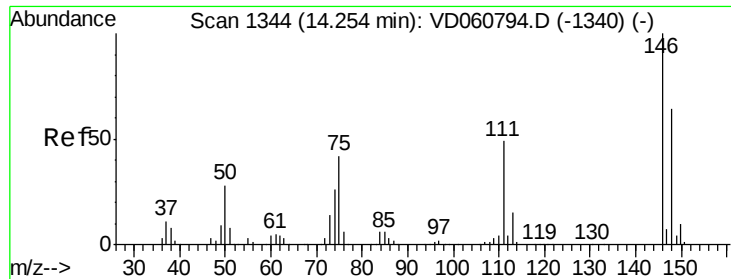
MMDadoda
 1/29/2019 4:55:31 PM



#86
 p-Isopropyltoluene
 Concen: 10.287 ug/l
 RT: 14.29 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion:119 Resp: 234656
 Ion Ratio Lower Upper
 119 100
 134 23.4 10.8 32.3
 91 31.1 16.7 50.0





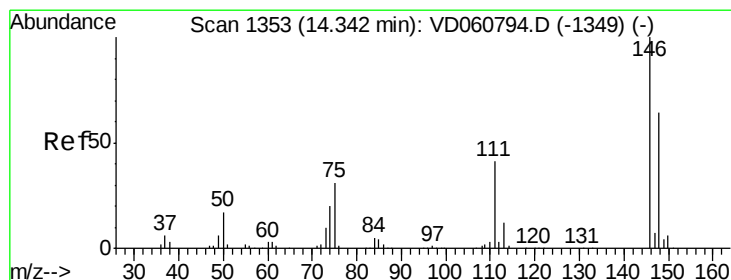
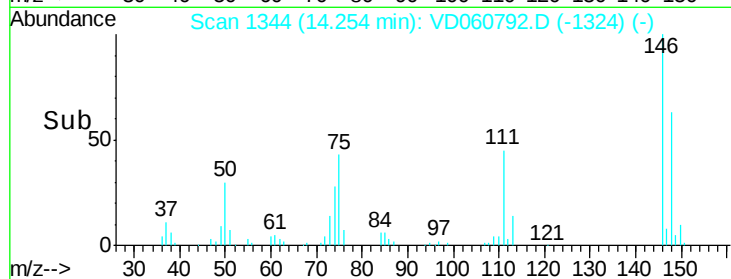
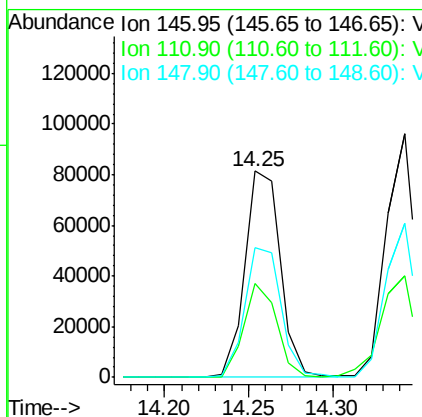
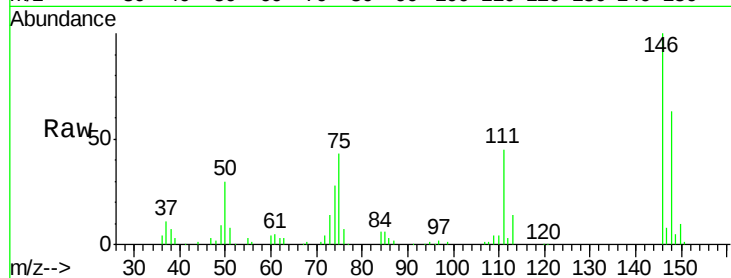
#87
 1,3-Dichlorobenzene
 Concen: 9.461 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	24.3	73.0
148	62.6	32.1	96.5

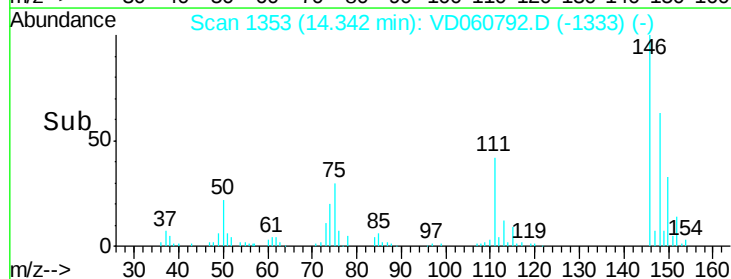
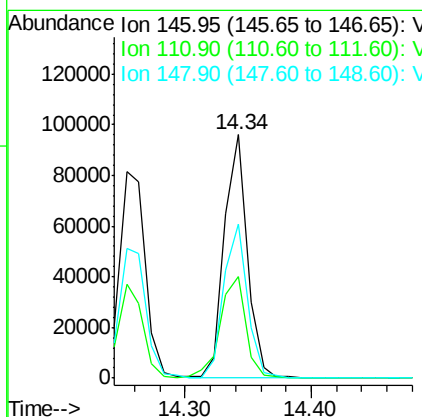
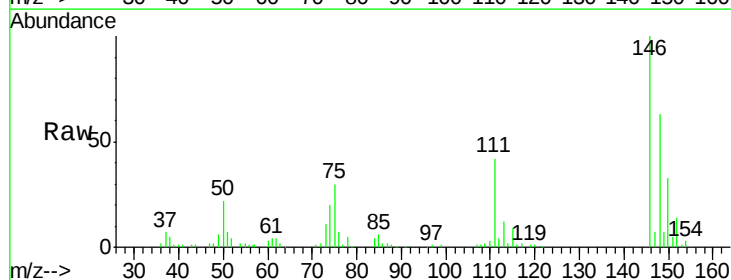
Manual Integrations
 APPROVED

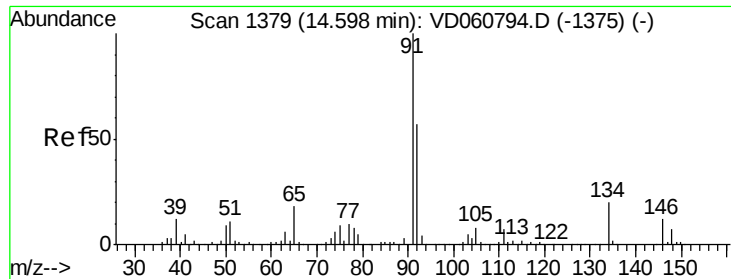
MMDadoda
 1/29/2019 4:55:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 9.930 ug/l
 RT: 14.34 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.8
148	63.3	31.9	95.7





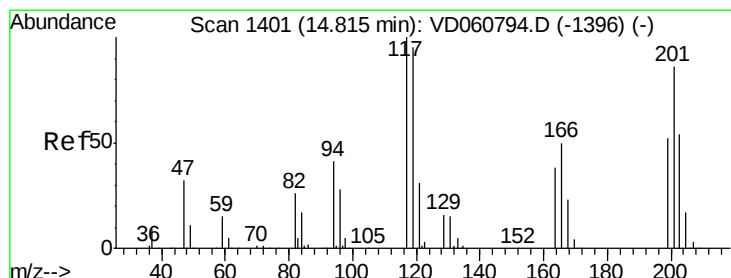
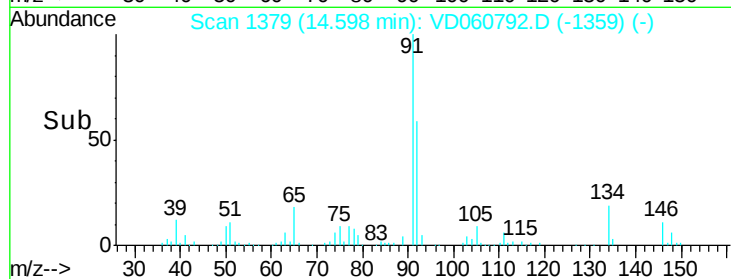
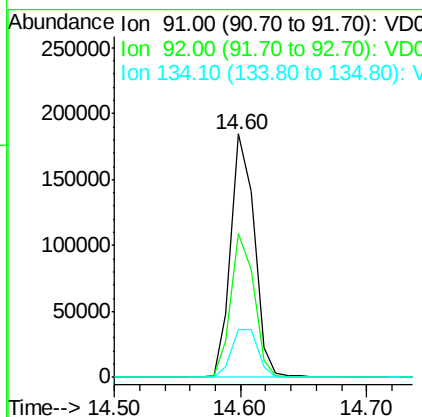
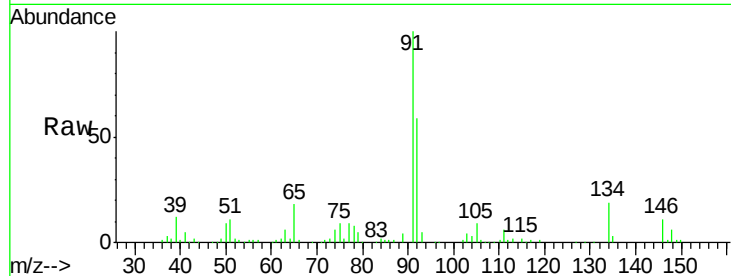
#89
n-Butylbenzene
Concen: 10.048 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100	239138		
92	59.1		28.5	85.5
134	19.4		10.0	29.8

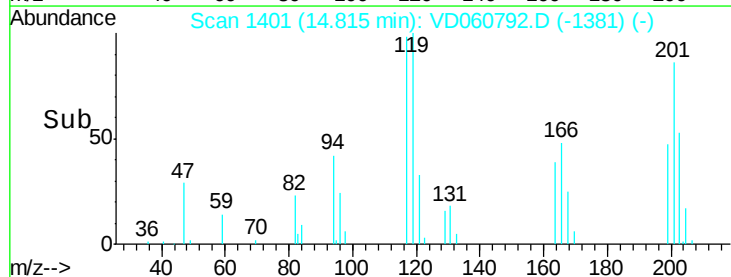
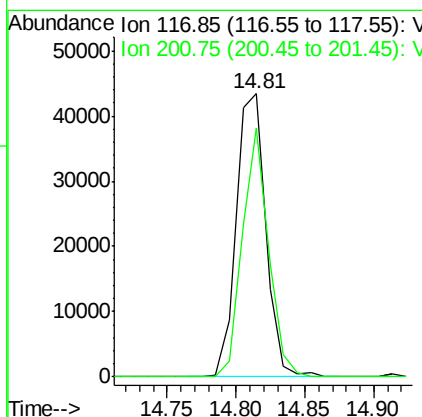
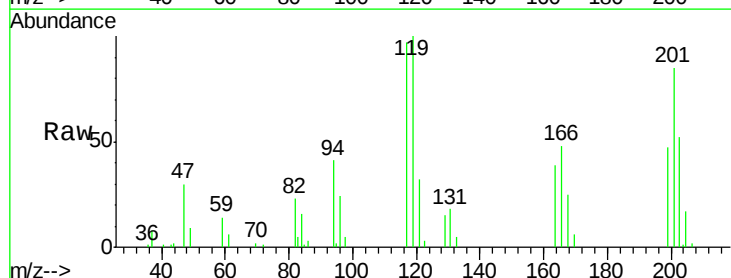
Manual Integrations
APPROVED

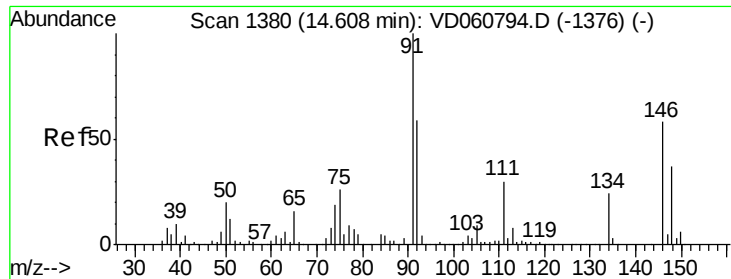
MMDadoda
1/29/2019 4:55:31 PM



#90
Hexachloroethane
Concen: 9.568 ug/l
RT: 14.81 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VD060792.D
Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	64949		
201	87.8		43.0	128.8





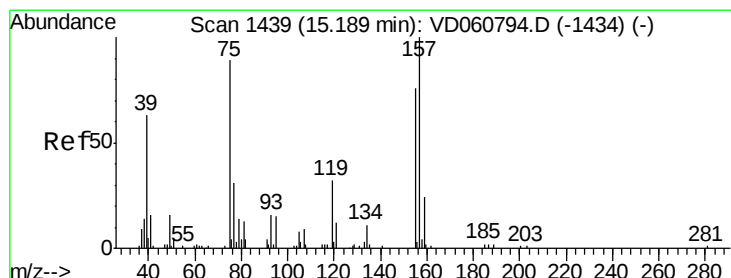
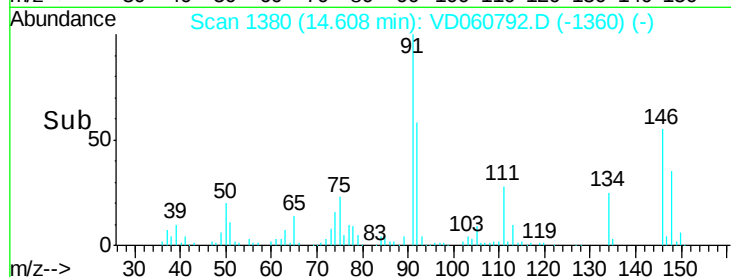
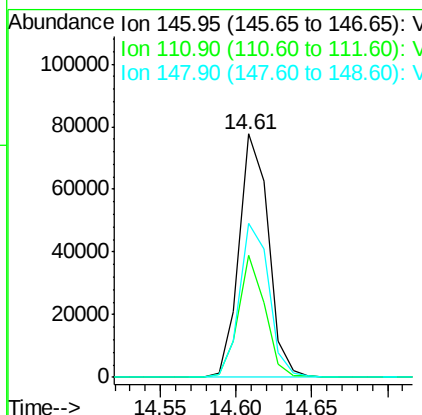
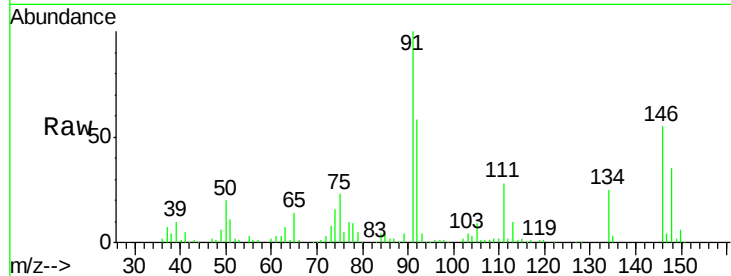
#91
 1,2-Dichlorobenzene
 Concen: 9.987 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.6	76.8
148	63.3	31.4	94.3

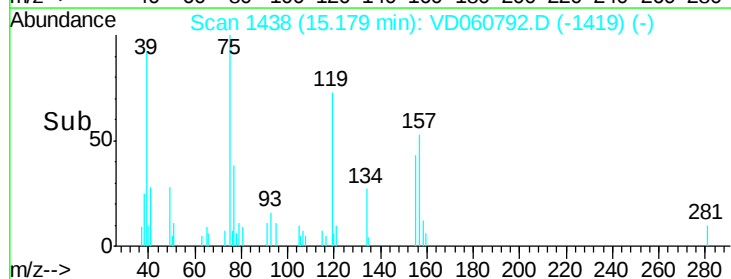
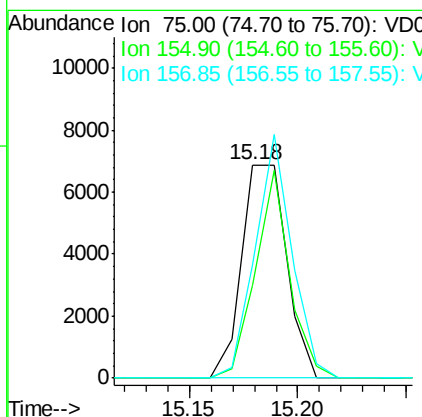
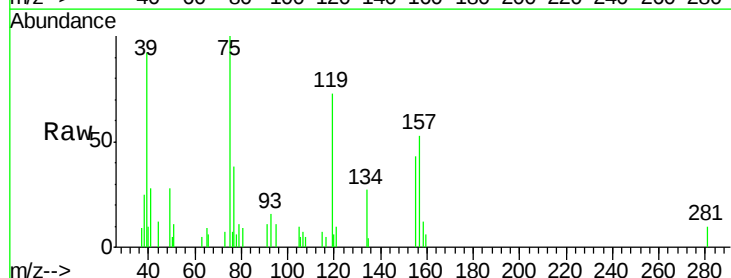
Manual Integrations
 APPROVED

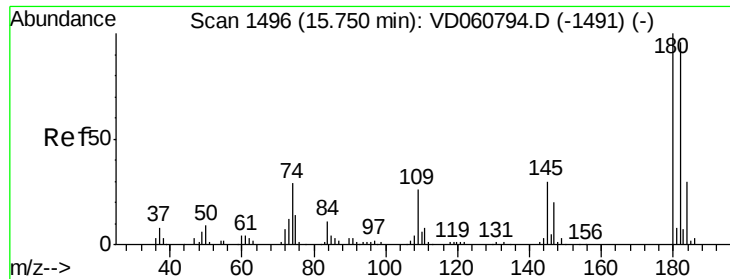
MMDadoda
 1/29/2019 4:55:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.473 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	43.2	43.0	129.0
157	53.2	56.3	168.9#





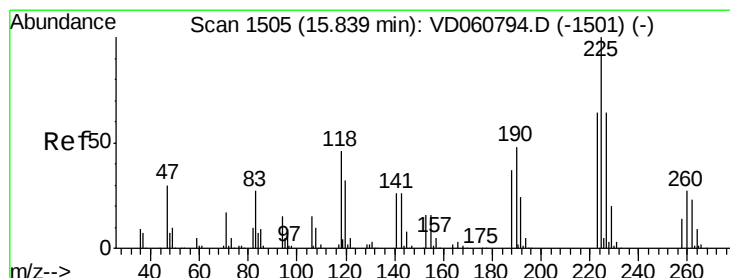
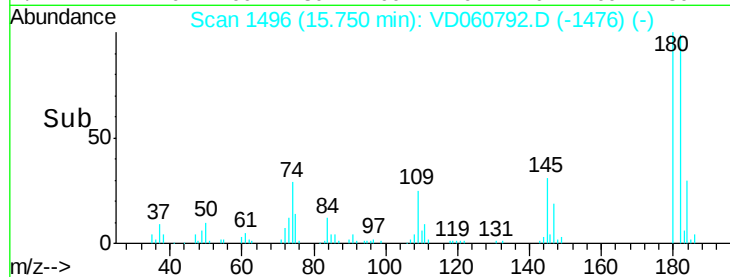
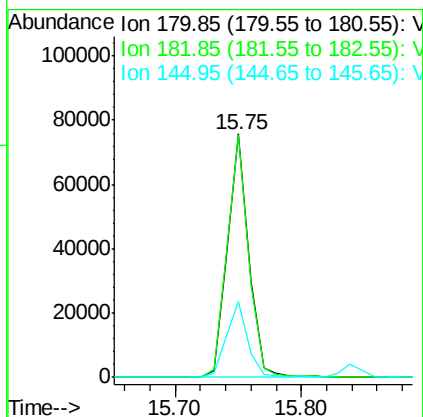
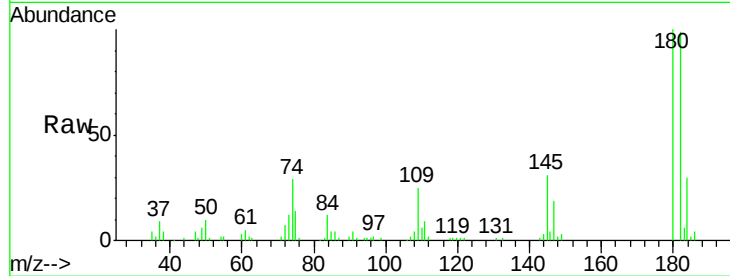
#93
 1,2,4-Trichlorobenzene
 Concen: 9.679 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	47.9	143.7
145	31.0	15.0	45.1

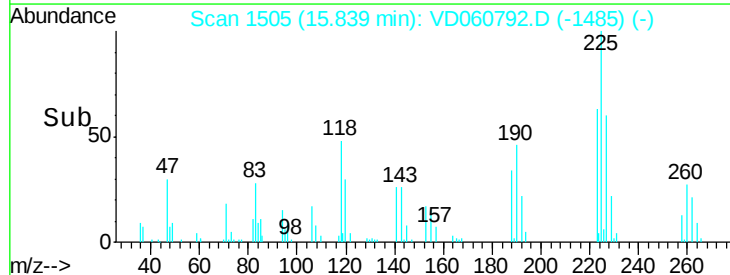
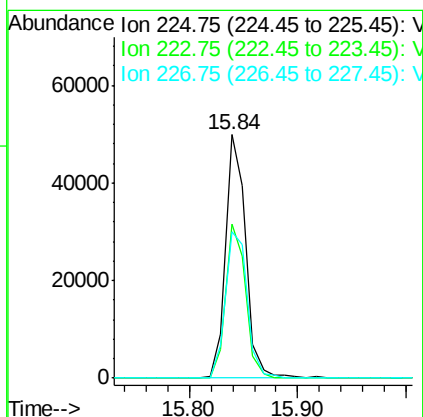
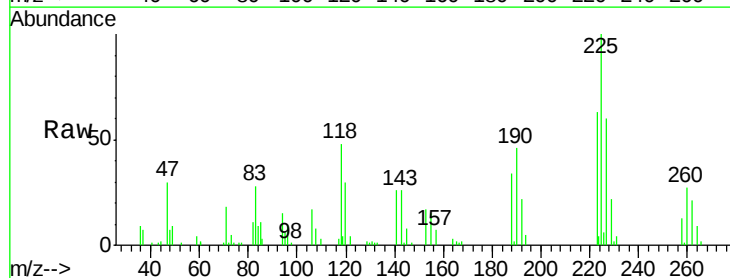
Manual Integrations
 APPROVED

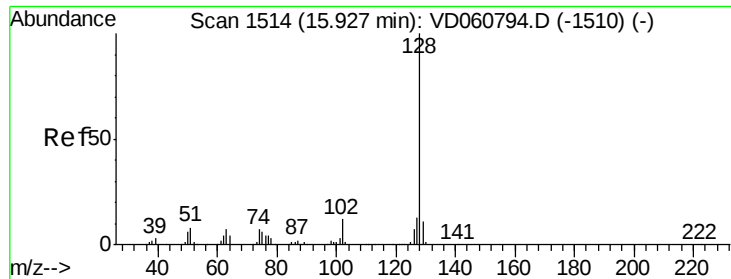
MMDadoda
 1/29/2019 4:55:31 PM



#94
 Hexachlorobutadiene
 Concen: 9.504 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: VD060792.D
 Acq: 28 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.4
227	60.0	31.9	95.5





#95

Naphthalene

Concen: 8.215 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Instrument :

MSVOA_D

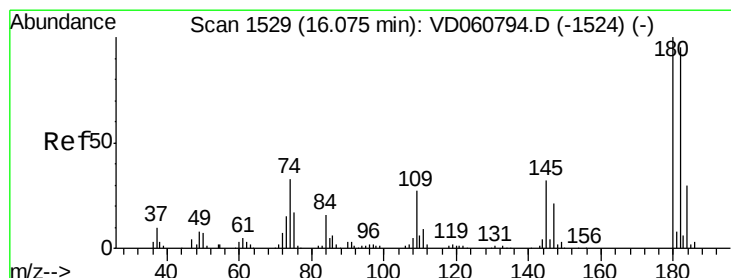
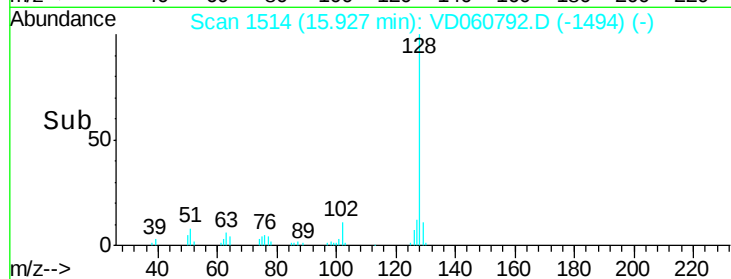
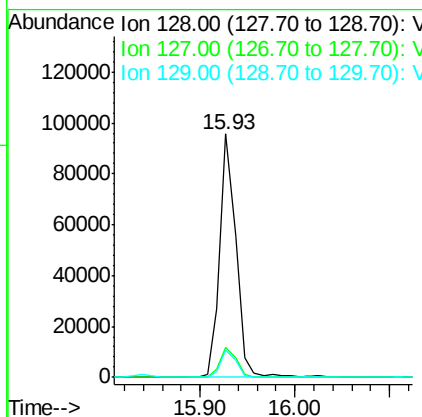
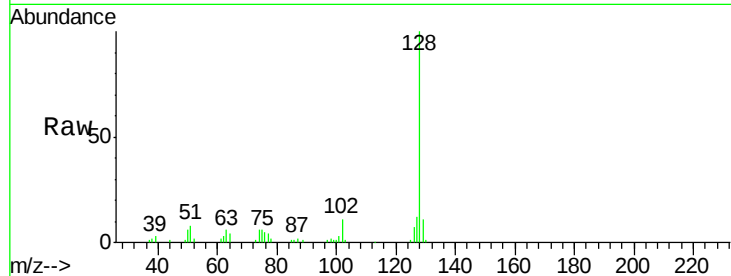
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	114299
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.4	15.6
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/29/2019 4:55:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 9.887 ug/l

RT: 16.07 min Scan# 1529

Delta R.T. -0.00 min

Lab File: VD060792.D

Acq: 28 Jan 2019 15:42

Tgt Ion:	180	Resp:	77855
Ion Ratio	Lower	Upper	
180	100		
182	88.2	47.4	142.3
145	31.8	15.8	47.4

