

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059828.D
 Acq On : 20 Aug 2018 13:27
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:32 AM

Quant Time: Aug 21 04:27:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	972794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1412210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1145539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	520487	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	411327	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	5.51	113	564955	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	8.66	98	1521196	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	11.90	95	566791	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	445127	53.27	ug/l	100
3) Chloromethane	1.46	50	353508	51.02	ug/l	100
4) Vinyl Chloride	1.54	62	309794	55.17	ug/l	100
5) Bromomethane	1.78	94	49944	65.99	ug/l	100
6) Chloroethane	1.86	64	87955	62.59	ug/l	100
7) Trichlorofluoromethane	2.06	101	328977	56.09	ug/l	100
8) Diethyl Ether	2.32	74	71149	55.13	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.52	101	199725	54.37	ug/l	100
10) Methyl Iodide	2.66	142	239369	63.03	ug/l	100
11) Tert butyl alcohol	3.22	59	84574	288.81	ug/l	100
12) 1,1-Dichloroethene	2.51	96	152161	52.97	ug/l	100
13) Acrolein	2.45	56	89431	324.06	ug/l	100
14) Allyl chloride	2.89	41	410007	53.84	ug/l	100
15) Acrylonitrile	3.33	53	354471	268.04	ug/l	100
16) Acetone	2.58	43	409008	309.47	ug/l	100
17) Carbon Disulfide	2.72	76	550799	57.27	ug/l	100
18) Methyl Acetate	2.90	43	144494	50.11	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	882726	52.40	ug/l	100
20) Methylene Chloride	3.04	84	180475	40.29	ug/l	100
21) trans-1,2-Dichloroethene	3.35	96	428424	53.33	ug/l	100
22) Diisopropyl ether	4.02	45	2087891	53.27	ug/l	100
23) Vinyl Acetate	3.97	43	5738603	271.08	ug/l	100
24) 1,1-Dichloroethane	3.93	63	925502	54.01	ug/l	100
25) 2-Butanone	4.79	43	1166821	294.01	ug/l	100
26) 2,2-Dichloropropane	4.75	77	702095	51.64	ug/l	100
27) cis-1,2-Dichloroethene	4.76	96	558274	54.01	ug/l	100
28) Bromochloromethane	5.10	49	459140	52.27	ug/l	100
29) Tetrahydrofuran	5.13	42	541368	271.98	ug/l	100
30) Chloroform	5.28	83	900558	53.36	ug/l	100
31) Cyclohexane	5.55	56	789633	50.42	ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	763554	53.59	ug/l	100
36) 1,1-Dichloropropene	5.70	75	643788	52.99	ug/l	100
37) Ethyl Acetate	4.88	43	499923	56.55	ug/l	100
38) Carbon Tetrachloride	5.67	117	638396	52.85	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059828.D
 Acq On : 20 Aug 2018 13:27
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:32 AM

Quant Time: Aug 21 04:27:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	730376	56.56	ug/l	100
40) Benzene	5.97	78	1686602	53.78	ug/l	100
41) Methacrylonitrile	5.07	41	241008	52.95	ug/l	100
42) 1,2-Dichloroethane	6.09	62	546858	54.29	ug/l	100
43) Isopropyl Acetate	7.57	43	654033	53.93	ug/l	100
44) Trichloroethene	6.93	130	495315	53.59	ug/l	100
45) 1,2-Dichloropropane	7.31	63	499006	54.89	ug/l	100
46) Dibromomethane	7.42	93	314762	55.72	ug/l	100
47) Bromodichloromethane	7.70	83	685297	54.67	ug/l	100
48) Methyl methacrylate	7.46	41	370632	54.64	ug/l	100
49) 1,4-Dioxane	7.44	88	64028	1133.08	ug/l	100
51) 4-Methyl-2-Pentanone	8.56	43	2498720	299.55	ug/l	100
52) Toluene	8.76	92	1050018	52.77	ug/l	100
53) t-1,3-Dichloropropene	9.15	75	609701	53.41	ug/l	100
54) cis-1,3-Dichloropropene	8.32	75	762485	55.63	ug/l	100
55) 1,1,2-Trichloroethane	9.41	97	367120	51.83	ug/l	100
56) Ethyl methacrylate	9.28	69	443172	54.45	ug/l	100
57) 1,3-Dichloropropane	9.62	76	554243	53.67	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.14	63	1089396	260.59	ug/l	100
59) 2-Hexanone	9.75	43	1835717	298.78	ug/l	100
60) Dibromochloromethane	9.91	129	496738	54.56	ug/l	100
61) 1,2-Dibromoethane	10.05	107	412952	54.82	ug/l	100
64) Tetrachloroethene	9.47	164	451492	53.67	ug/l	100
65) Chlorobenzene	10.69	112	1179263	52.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.81	131	415614	54.00	ug/l	100
67) Ethyl Benzene	10.83	91	1910106	52.26	ug/l	100
68) m/p-Xylenes	10.99	106	1383716	103.34	ug/l	100
69) o-Xylene	11.37	106	699638	53.48	ug/l	100
70) Styrene	11.40	104	1215535	53.61	ug/l	100
71) Bromoform	11.57	173	364389	54.17	ug/l	100
73) Isopropylbenzene	11.75	105	1877808	52.89	ug/l	100
74) N-amyl acetate	11.62	43	838266	53.40	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.05	83	436281	53.45	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	451371	53.07	ug/l	100
77) Bromobenzene	12.01	156	545615	55.36	ug/l	100
78) n-propylbenzene	12.13	91	2351195	52.71	ug/l	100
79) 2-Chlorotoluene	12.19	91	1371658	53.85	ug/l	100
80) 1,3,5-Trimethylbenzene	12.30	105	1392863	52.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.81	75	139703	53.10	ug/l	100
82) 4-Chlorotoluene	12.30	91	1362406	51.45	ug/l	100
83) tert-Butylbenzene	12.55	119	1562925m	49.94	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	1605052	54.46	ug/l	100
85) sec-Butylbenzene	12.73	105	1937450	51.60	ug/l	100
86) p-Isopropyltoluene	12.86	119	1543070	52.36	ug/l	100
87) 1,3-Dichlorobenzene	12.82	146	852758	51.31	ug/l	100
88) 1,4-Dichlorobenzene	12.91	146	883556	52.84	ug/l	100
89) n-Butylbenzene	13.17	91	1477052	49.96	ug/l	100
90) Hexachloroethane	13.38	117	450087	54.06	ug/l	100
91) 1,2-Dichlorobenzene	13.17	146	689611	50.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.75	75	64890	53.66	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
Data File : VD059828.D
Acq On : 20 Aug 2018 13:27
Operator : JC/SY
Sample : VSTDICCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

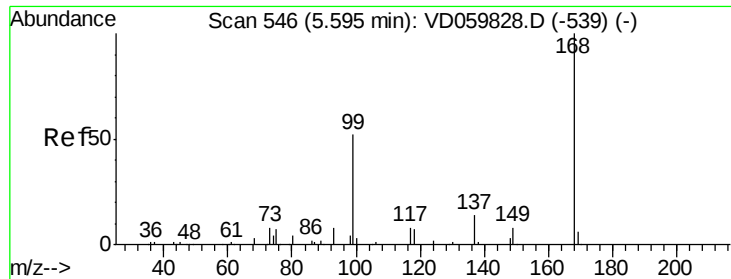
Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM

Quant Time: Aug 21 04:27:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 02:29:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	651038	53.91	ug/l	100
94) Hexachlorobutadiene	14.41	225	442218	55.11	ug/l	100
95) Naphthalene	14.49	128	1034924	53.72	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	573875	54.74	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.59 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 972794

Ion Ratio Lower Upper

168 100

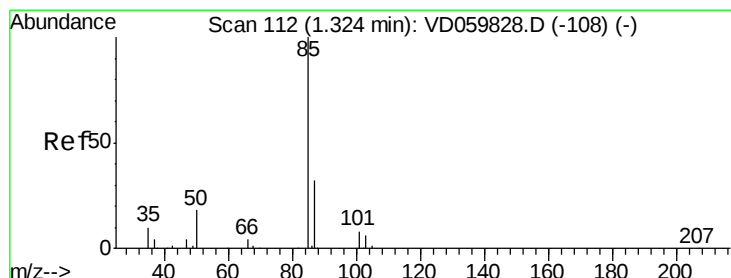
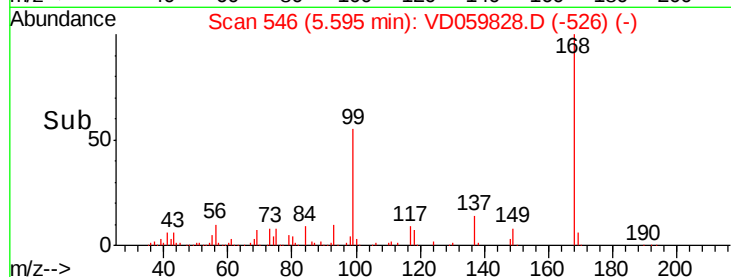
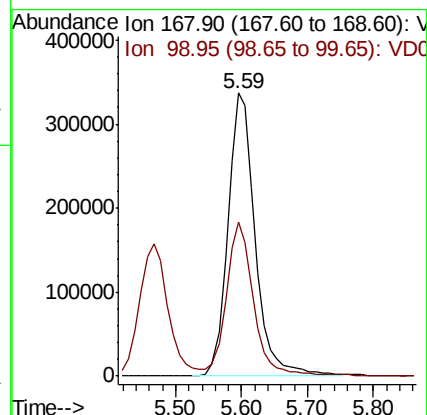
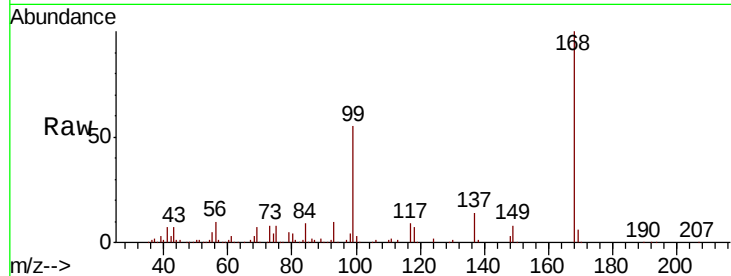
99 54.5 43.6 65.4

Manual Integrations

APPROVED

apatel

8/21/2018 10:23:32 AM



#2

Dichlorodifluoromethane

Concen: 53.27 ug/l

RT: 1.32 min Scan# 112

Delta R.T. 0.00 min

Lab File: VD059828.D

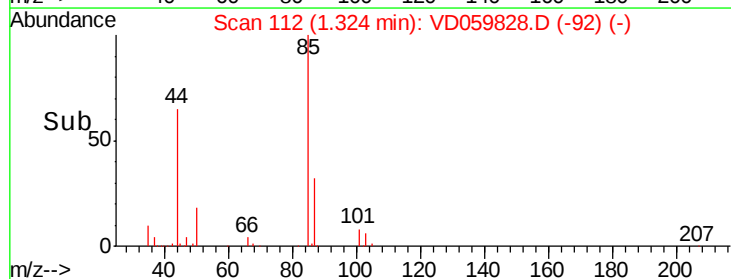
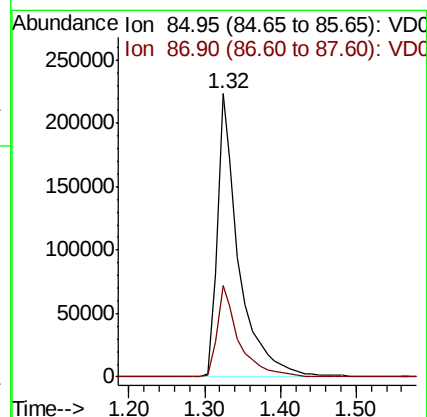
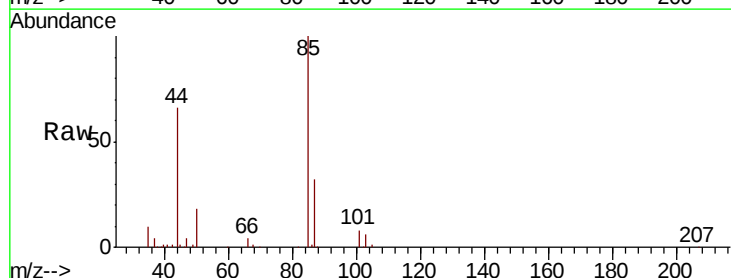
Acq: 20 Aug 2018 13:27

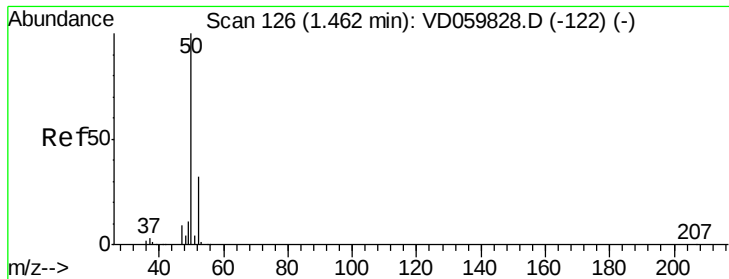
Tgt Ion: 85 Resp: 445127

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3





#3

Chloromethane

Concen: 51.02 ug/l

RT: 1.46 min Scan# 126

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 353508

Ion Ratio Lower Upper

50 100

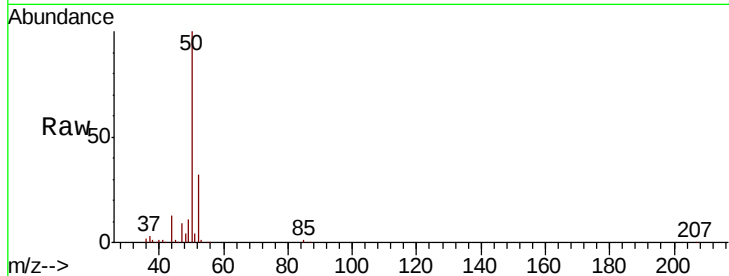
52 31.8 25.4 38.2

Manual Integrations

APPROVED

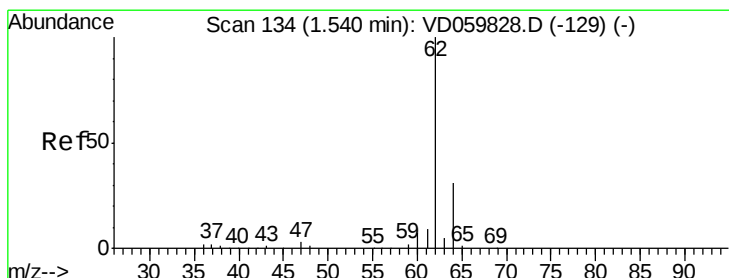
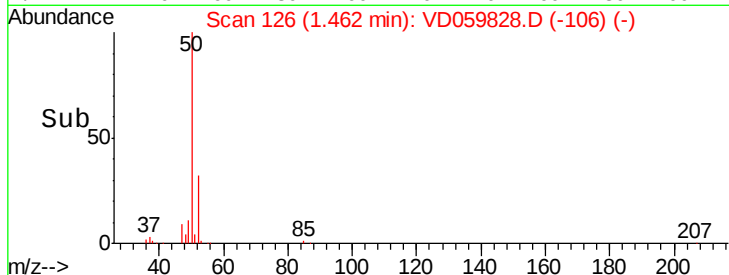
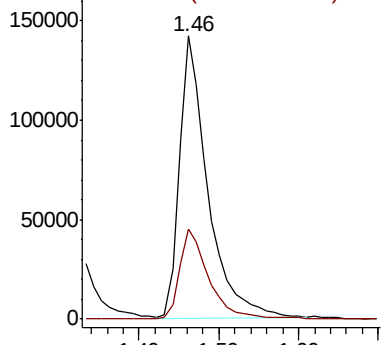
apatel

8/21/2018 10:23:32 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.17 ug/l

RT: 1.54 min Scan# 134

Delta R.T. 0.00 min

Lab File: VD059828.D

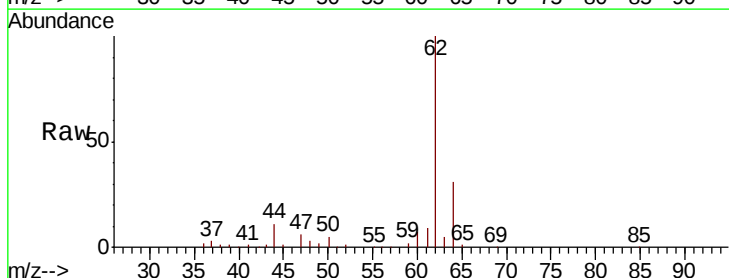
Acq: 20 Aug 2018 13:27

Tgt Ion: 62 Resp: 309794

Ion Ratio Lower Upper

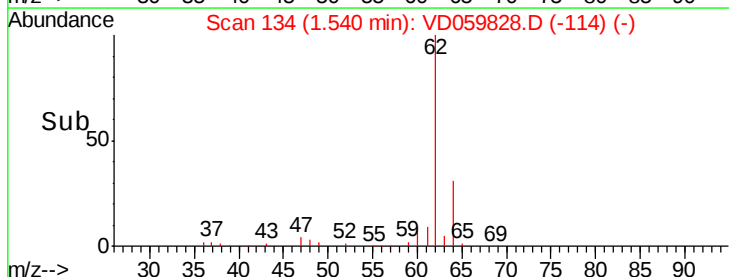
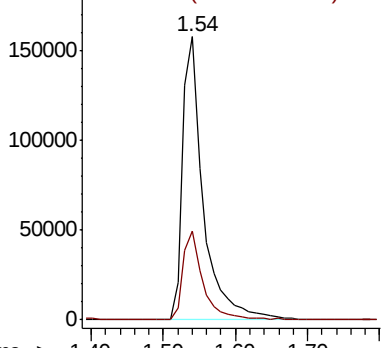
62 100

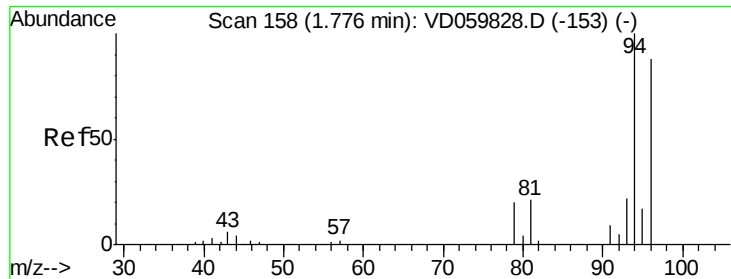
64 31.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 65.99 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 49944

Ion Ratio Lower Upper

94 100

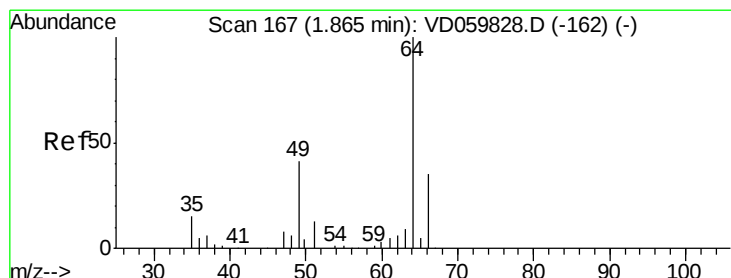
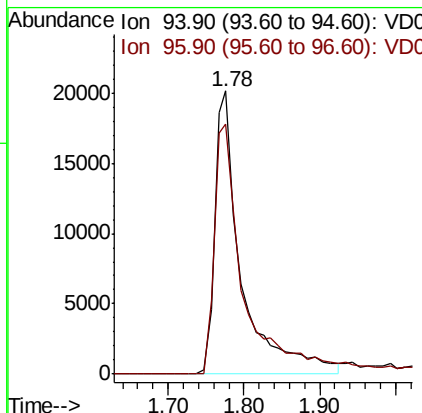
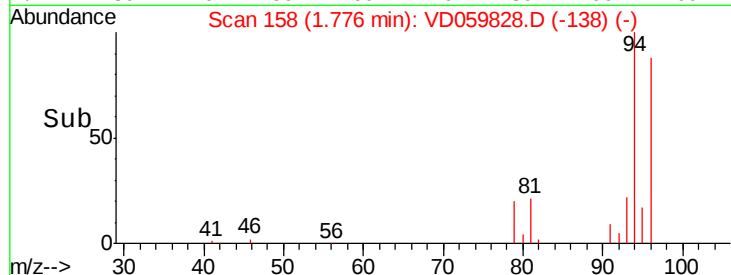
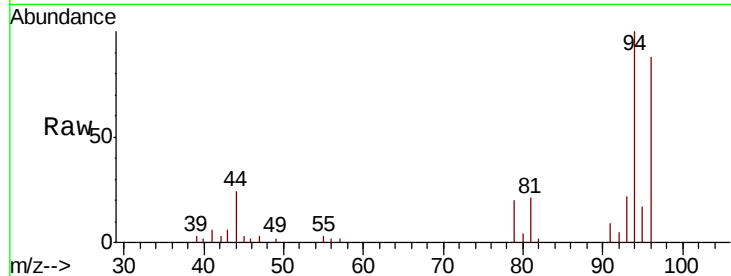
96 88.5 70.8 106.2

Manual Integrations

APPROVED

apatel

8/21/2018 10:23:32 AM



#6

Chloroethane

Concen: 62.59 ug/l

RT: 1.86 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD059828.D

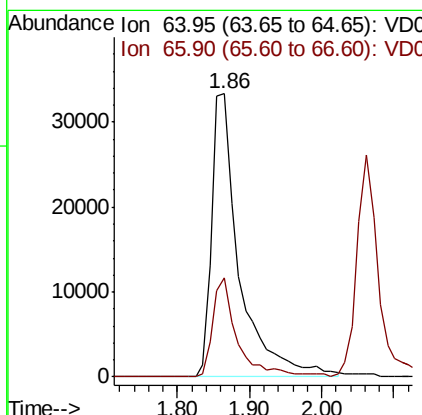
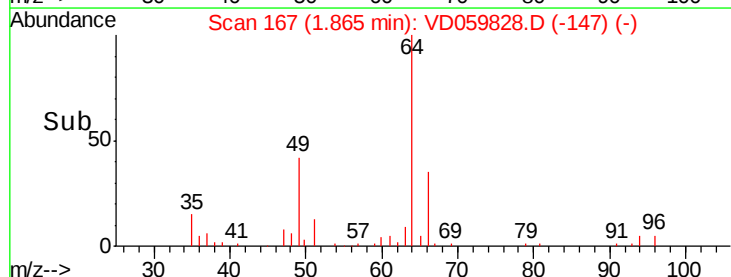
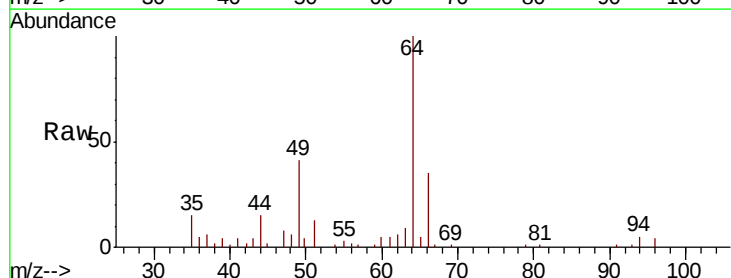
Acq: 20 Aug 2018 13:27

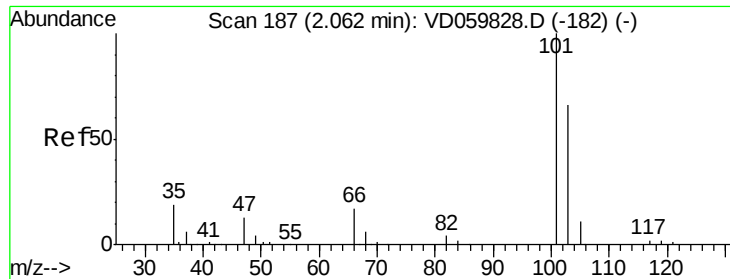
Tgt Ion: 64 Resp: 87955

Ion Ratio Lower Upper

64 100

66 34.9 27.9 41.9





#7

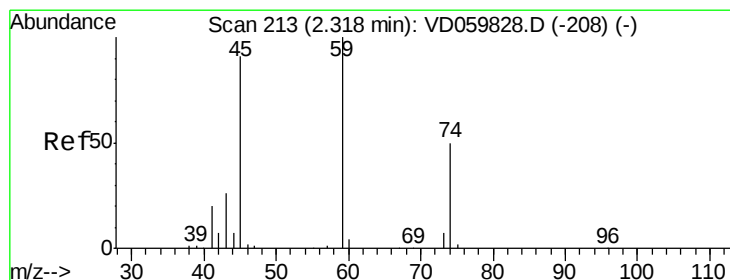
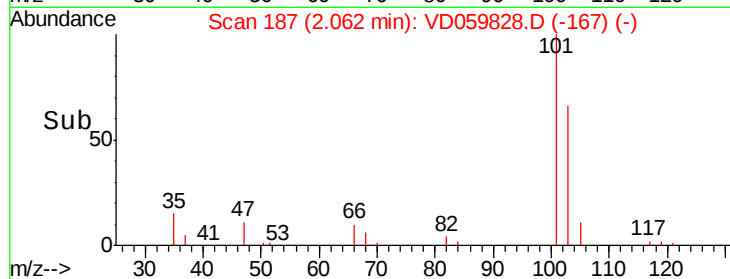
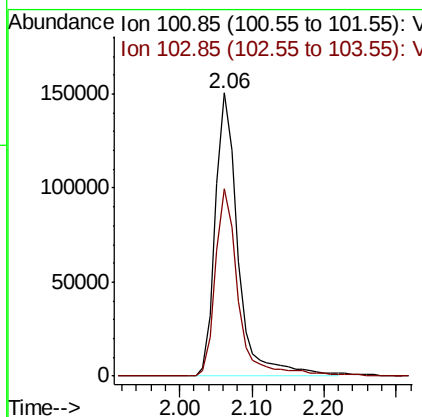
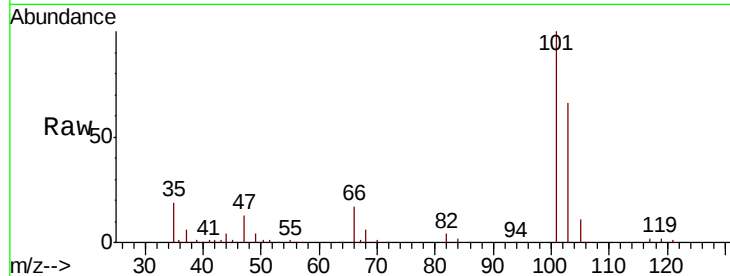
Trichlorofluoromethane
 Concen: 56.09 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.0	79.4

Manual Integrations
 APPROVED

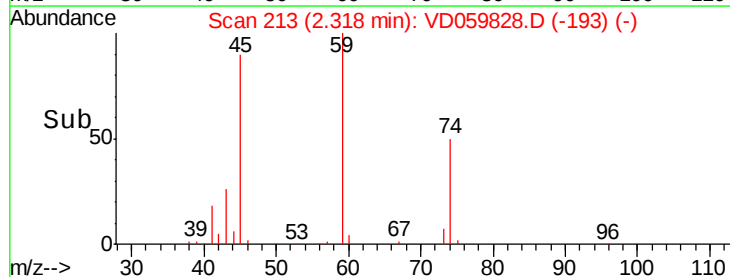
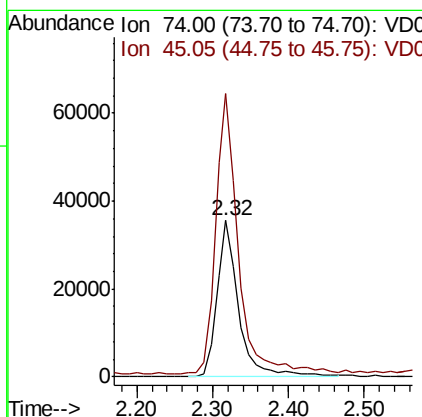
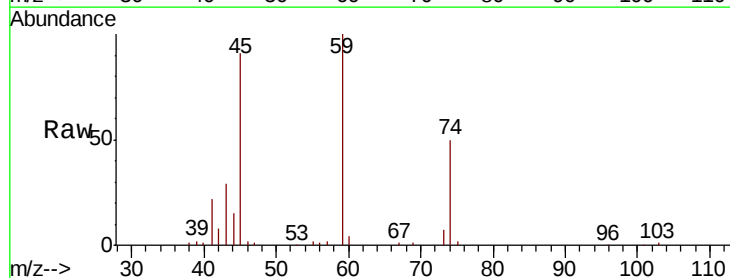
apatel
 8/21/2018 10:23:32 AM

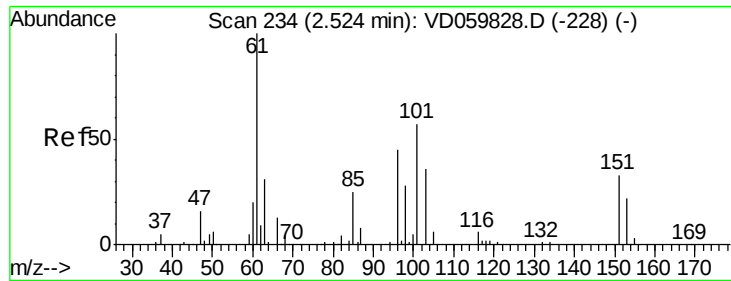


#8

Diethyl Ether
 Concen: 55.13 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	181.3	90.6	271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.37 ug/l

RT: 2.52 min Scan# 234

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

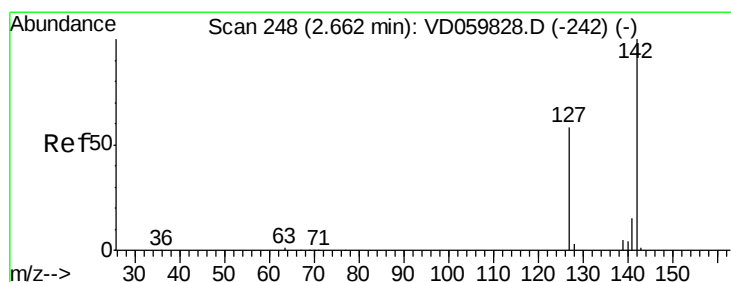
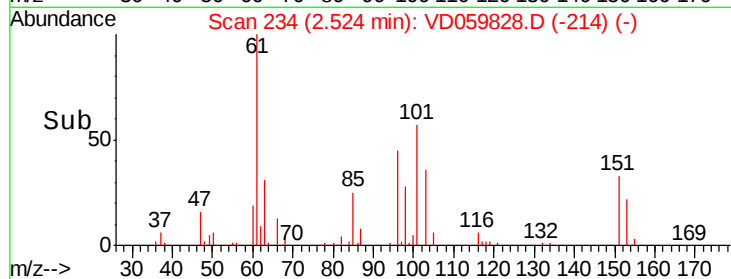
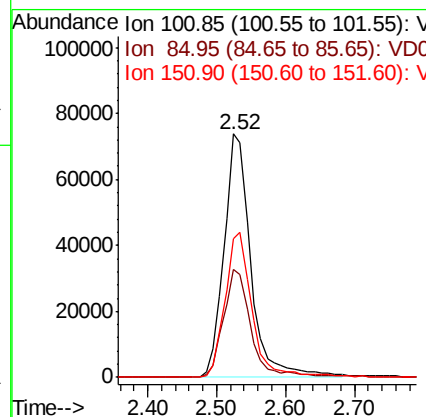
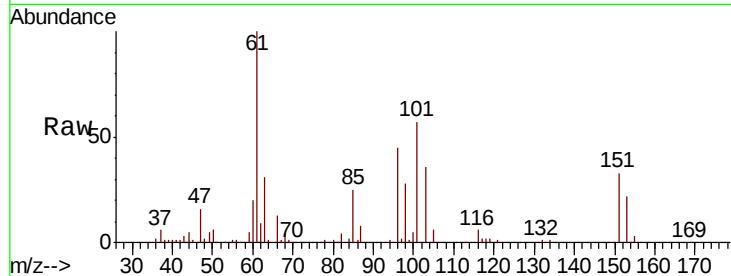
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	199725
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.7	53.5
151	57.2	45.8	68.6

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



#10

Methyl Iodide

Concen: 63.03 ug/l

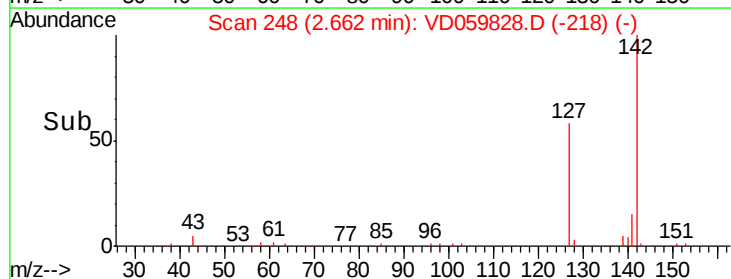
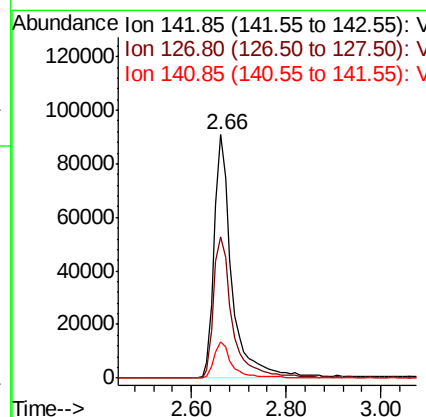
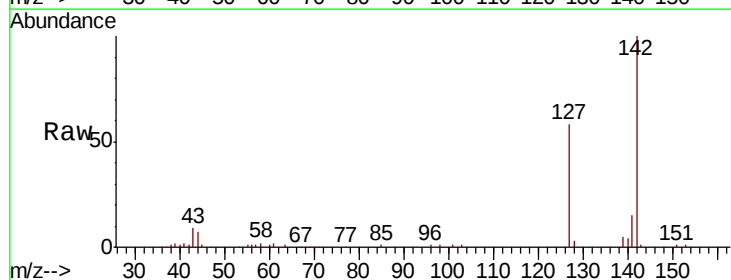
RT: 2.66 min Scan# 248

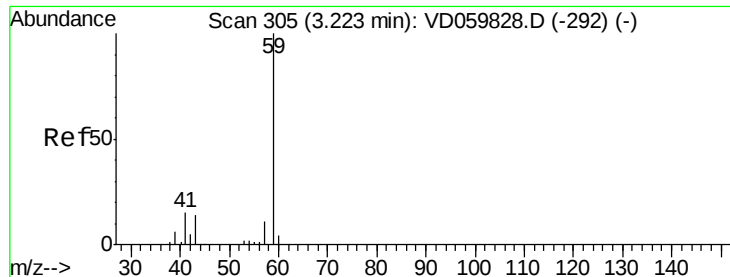
Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Tgt Ion:	142	Resp:	239369
Ion Ratio	Lower	Upper	
142	100		
127	58.2	46.6	69.8
141	14.6	11.7	17.5





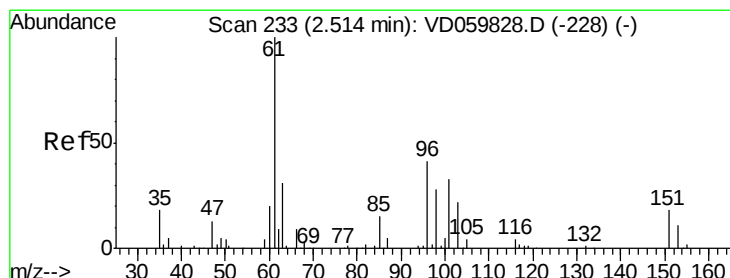
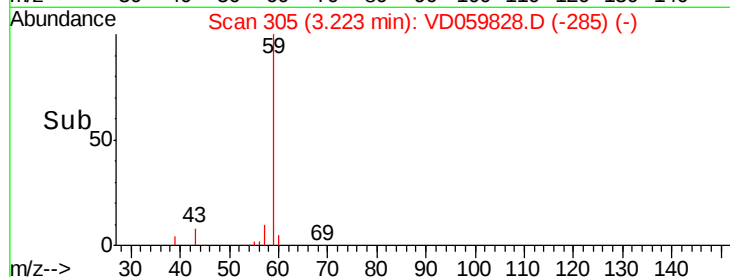
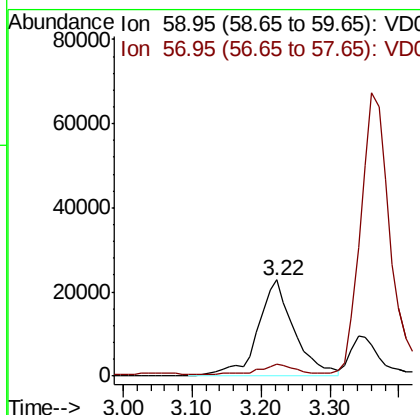
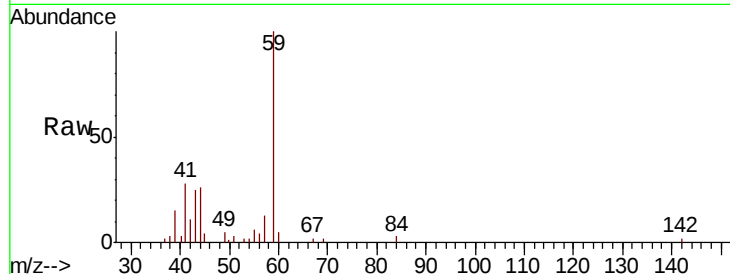
#11
Tert butyl alcohol
Concen: 288.81 ug/l
RT: 3.22 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 84574
Ion Ratio Lower Upper
59 100
57 12.9 10.3 15.5

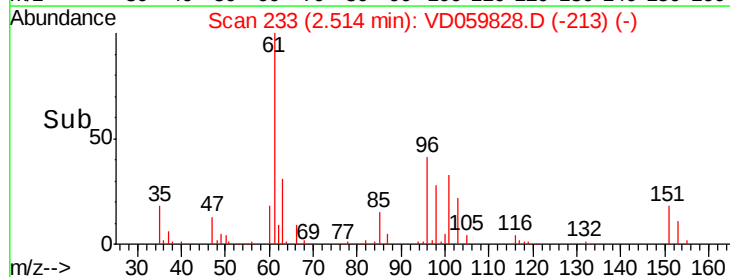
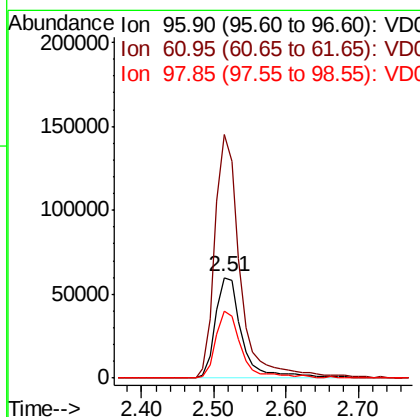
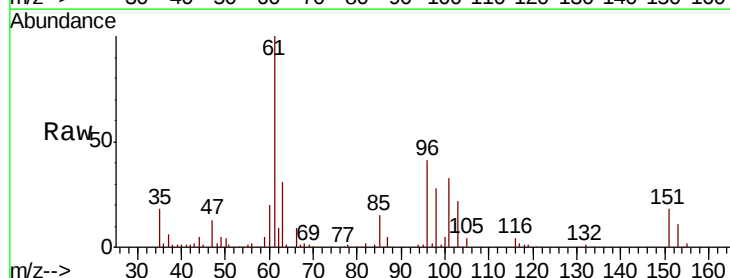
Manual Integrations
APPROVED

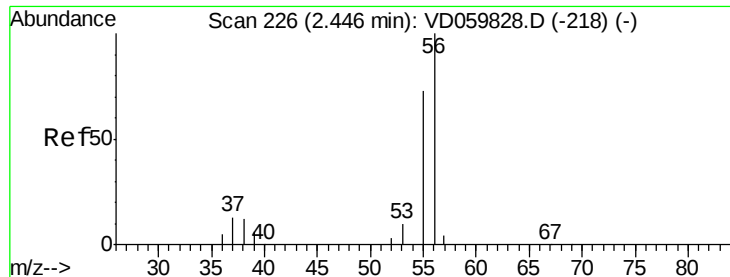
apatel
8/21/2018 10:23:32 AM



#12
1,1-Dichloroethene
Concen: 52.97 ug/l
RT: 2.51 min Scan# 233
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion: 96 Resp: 152161
Ion Ratio Lower Upper
96 100
61 242.5 194.0 291.0
98 66.7 53.4 80.0





#13

Acrolein

Concen: 324.06 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 89431

Ion Ratio Lower Upper

56 100

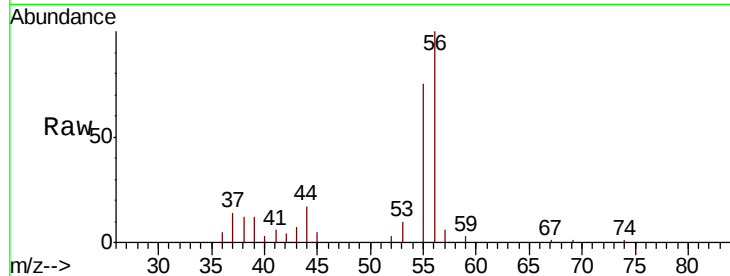
55 75.5 60.4 90.6

Manual Integrations

APPROVED

apatel

8/21/2018 10:23:32 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.45

40000

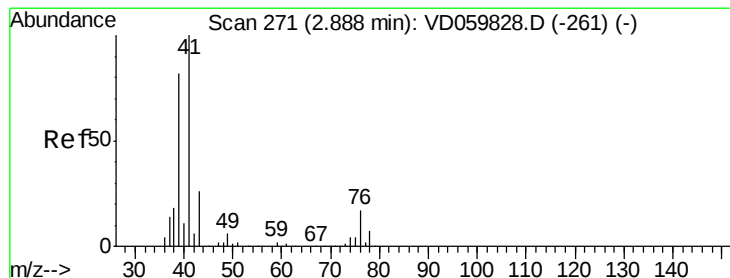
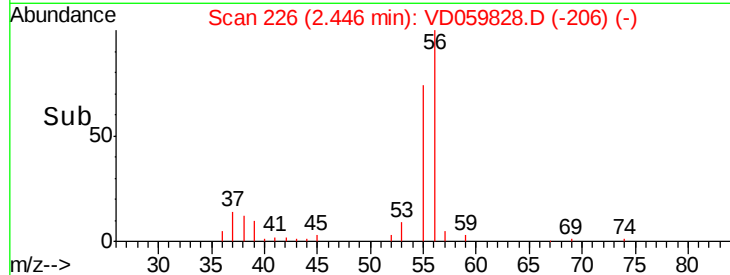
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 53.84 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

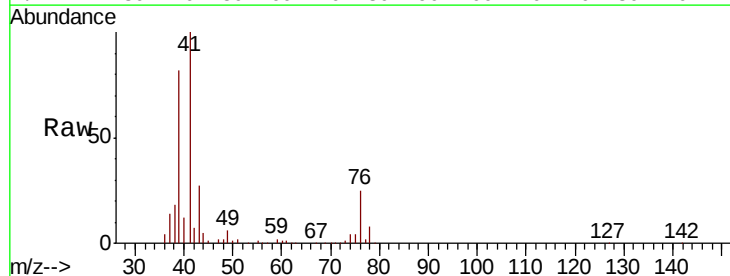
Tgt Ion: 41 Resp: 410007

Ion Ratio Lower Upper

41 100

39 82.4 65.9 98.9

76 24.9 19.9 29.9



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

300000

250000

200000

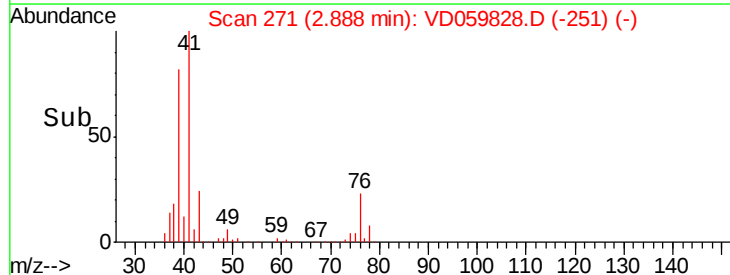
150000

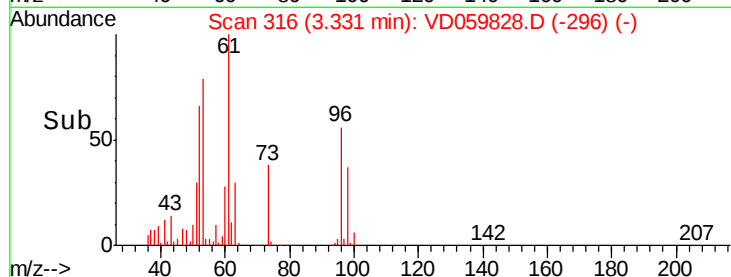
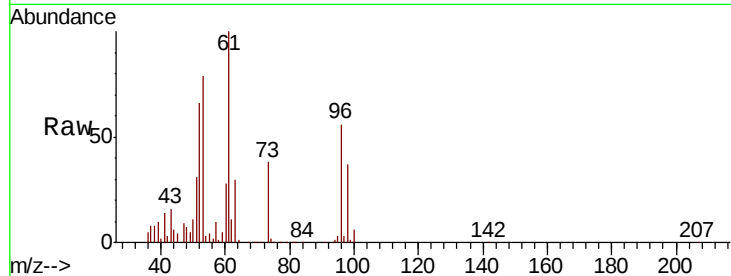
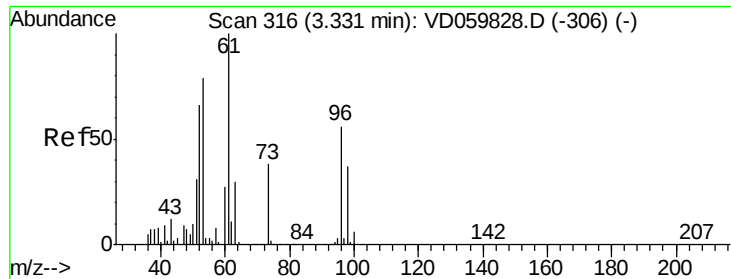
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 268.04 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.00 min

Lab File: VD059828.D

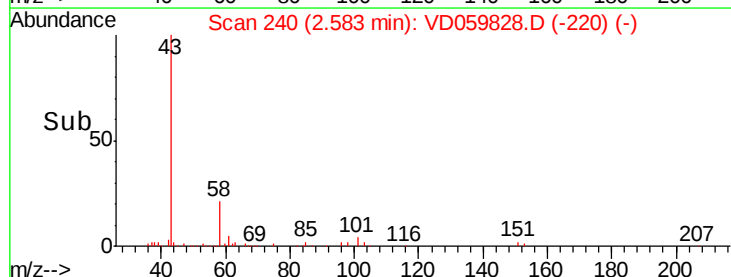
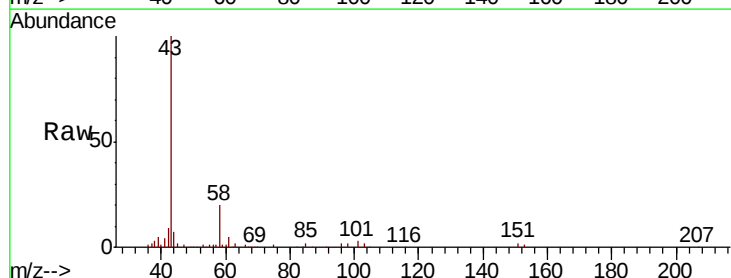
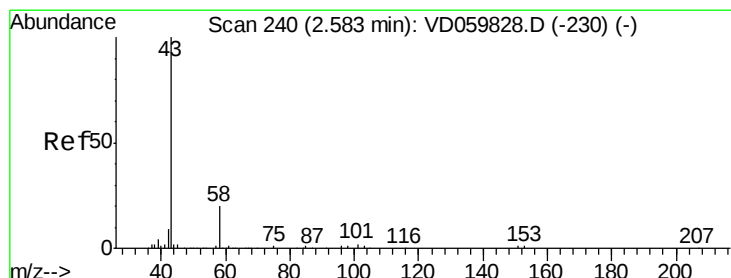
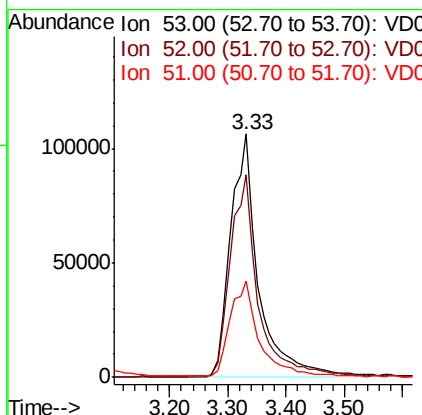
Acq: 20 Aug 2018 13:27

Tot Ion:	53	Resp:	354471
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.8	100.2
51	39.5	31.6	47.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



#16

Acetone

Concen: 309.47 ug/l

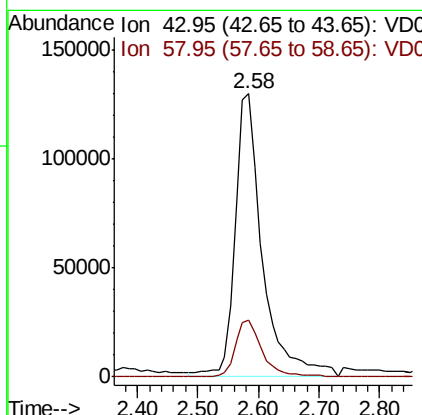
RT: 2.58 min Scan# 240

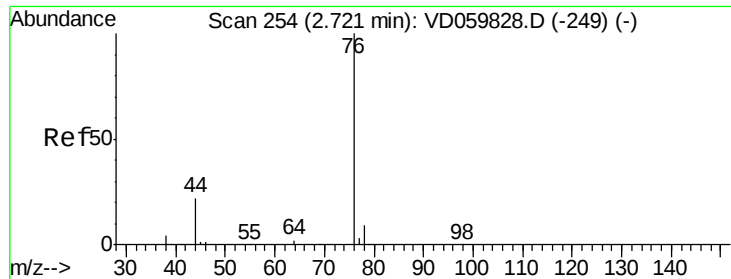
Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Tgt Ion:	43	Resp:	409008
Ion Ratio	Lower	Upper	
43	100		
58	20.2	16.2	24.2





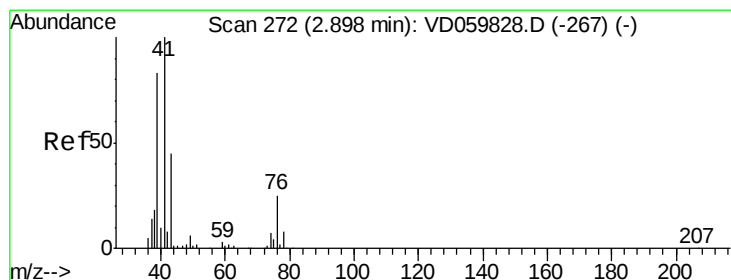
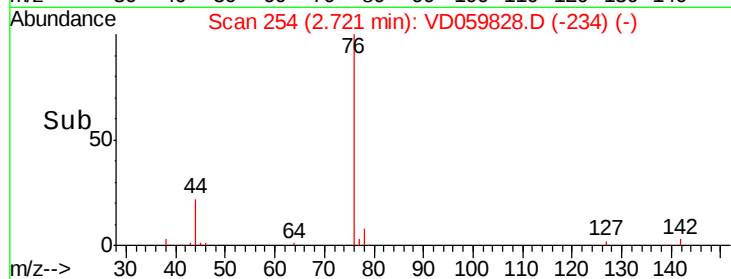
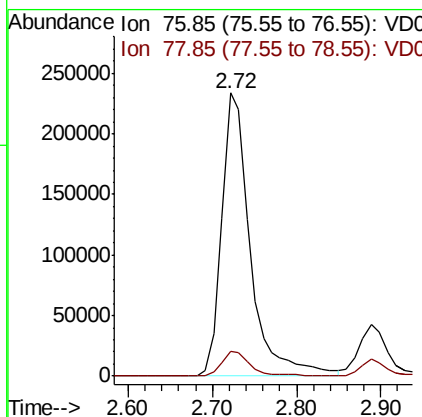
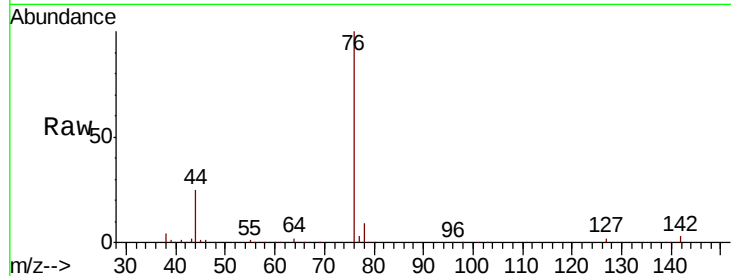
#17
Carbon Disulfide
Concen: 57.27 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

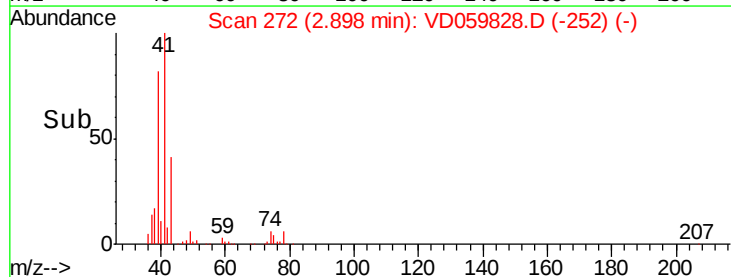
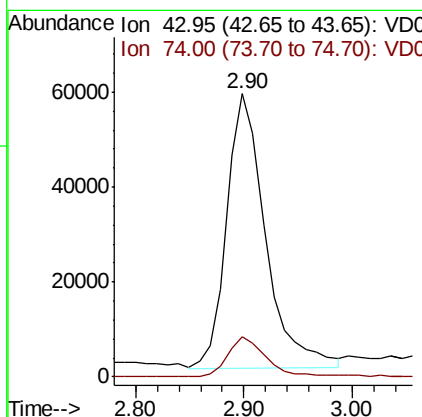
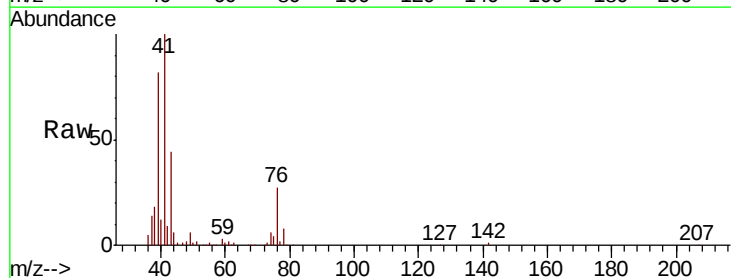
Manual Integrations
APPROVED

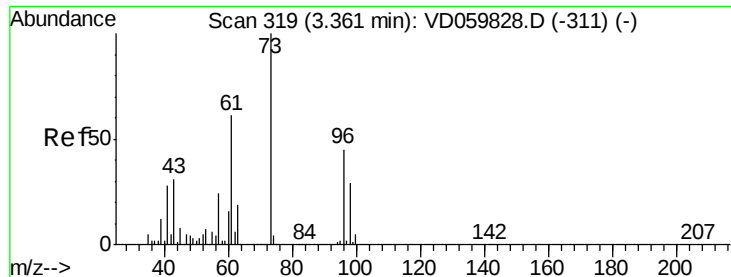
apatel
8/21/2018 10:23:32 AM



#18
Methyl Acetate
Concen: 50.11 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.2	11.4	17.0





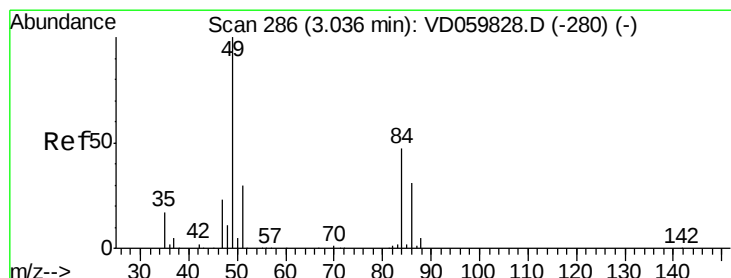
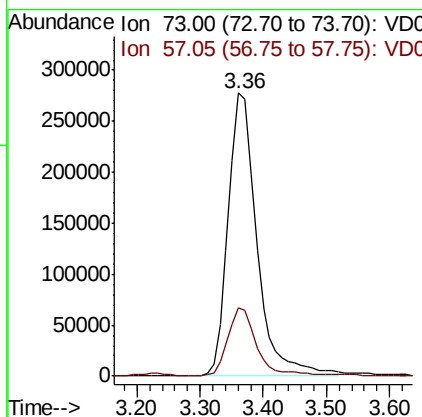
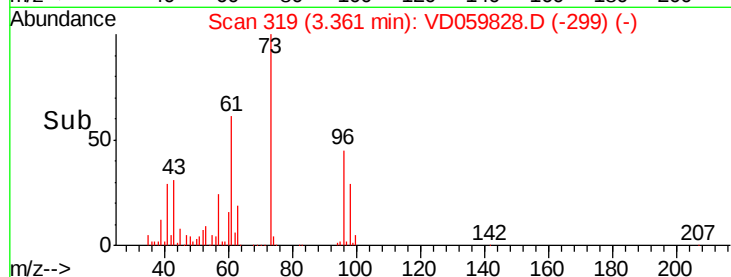
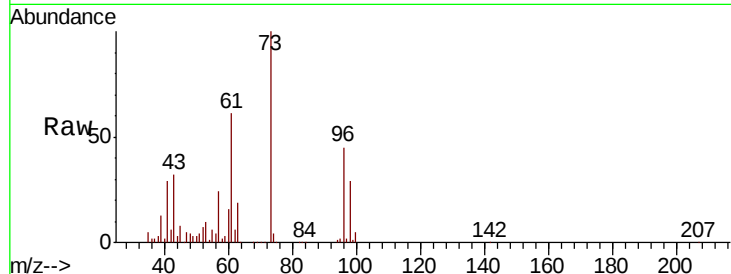
#19
Methvl tert-butvl Ether
Concen: 52.40 ug/l
RT: 3.36 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 882726
Ion Ratio Lower Upper
73 100
57 24.2 19.4 29.0

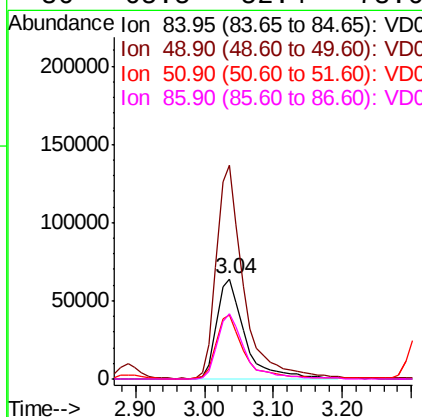
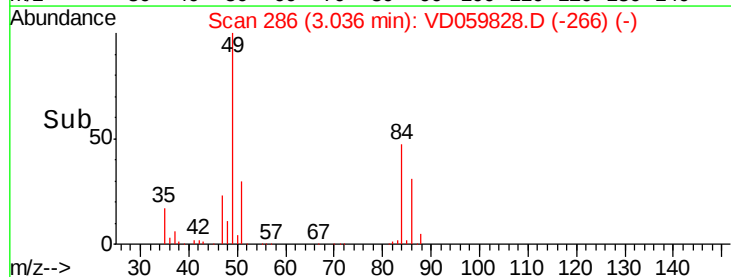
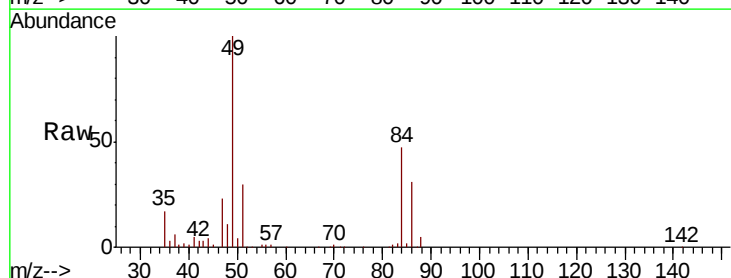
Manual Integrations
APPROVED

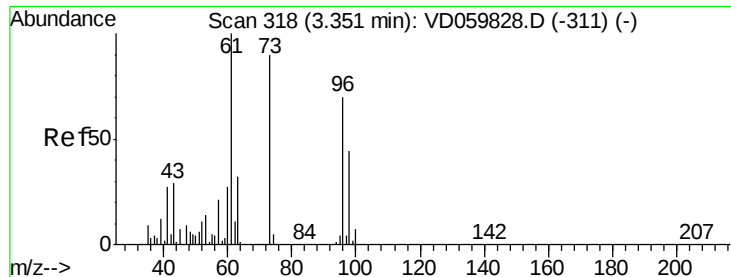
apatel
8/21/2018 10:23:32 AM



#20
Methylene Chloride
Concen: 40.29 ug/l
RT: 3.04 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion: 84 Resp: 180475
Ion Ratio Lower Upper
84 100
49 213.0 170.4 255.6
51 64.2 51.4 77.0
86 65.5 52.4 78.6





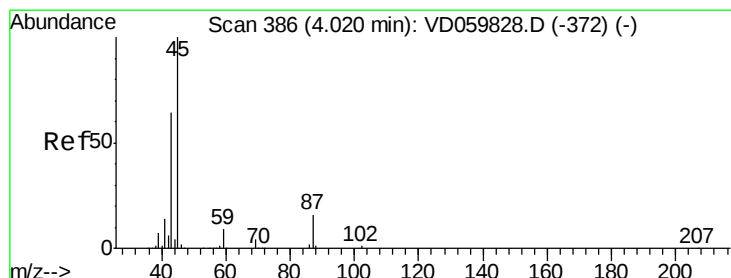
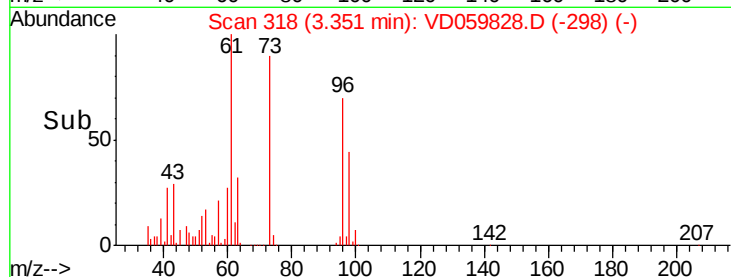
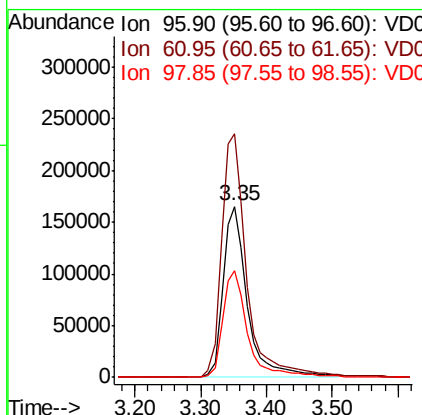
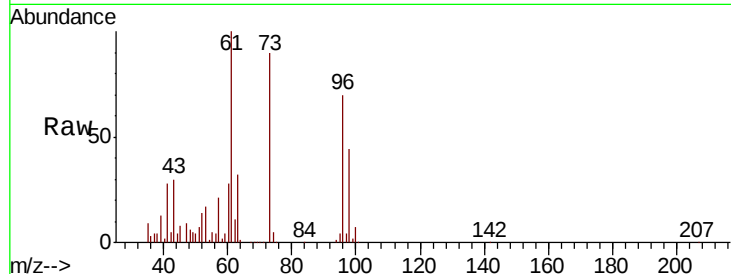
#21
trans-1,2-Dichloroethene
Concen: 53.33 ug/l
RT: 3.35 min Scan# 318
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	114.1	171.1
98	62.6	50.1	75.1

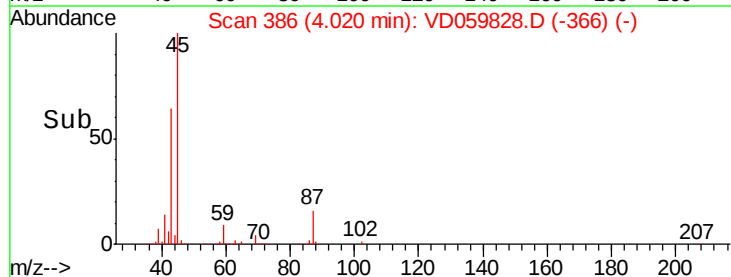
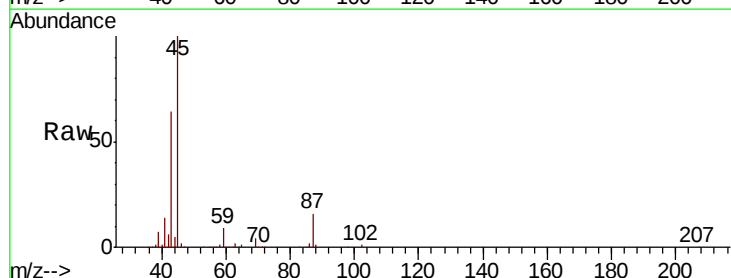
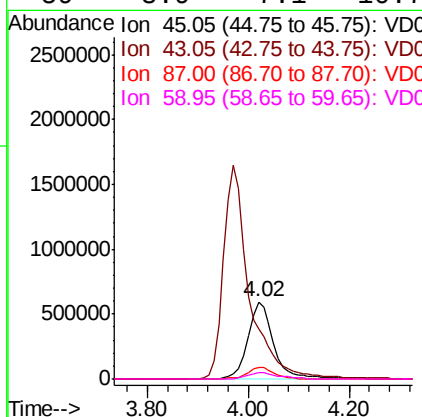
Manual Integrations
APPROVED

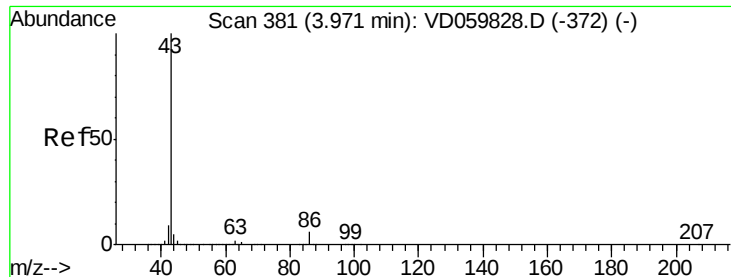
apatel
8/21/2018 10:23:32 AM



#22
Diisopropyl ether
Concen: 53.27 ug/l
RT: 4.02 min Scan# 386
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.9	51.1	76.7
87	15.6	12.5	18.7
59	8.9	7.1	10.7





#23

Vinyl Acetate

Concen: 271.08 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 5738603

Ion Ratio Lower Upper

43 100

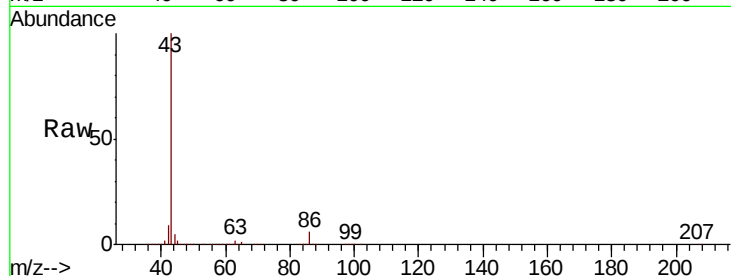
86 5.8 4.6 7.0

Manual Integrations

APPROVED

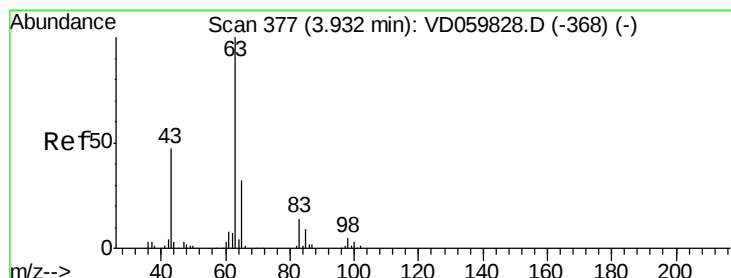
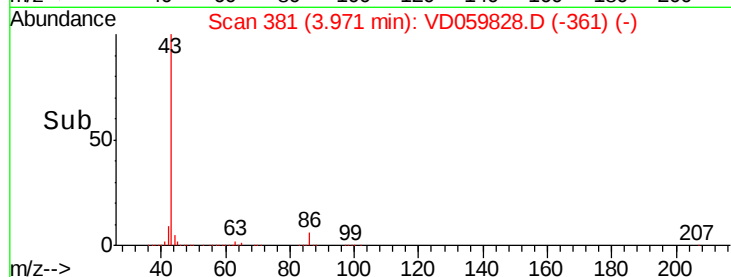
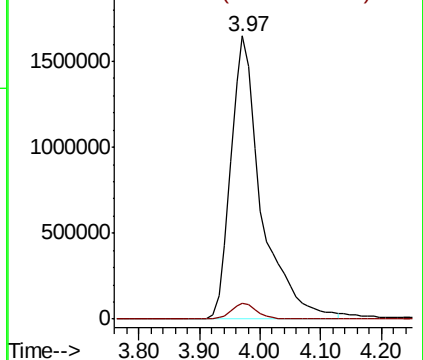
apatel

8/21/2018 10:23:32 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.01 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

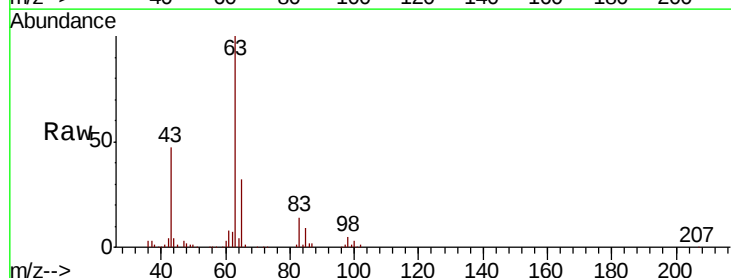
Tgt Ion: 63 Resp: 925502

Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.6

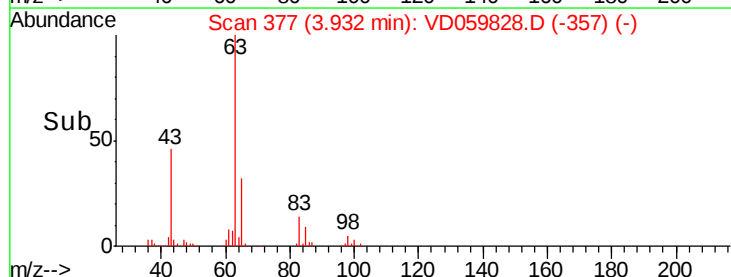
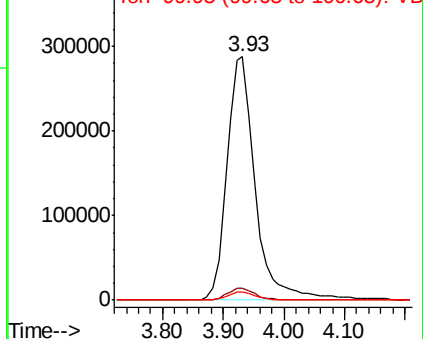
100 3.3 1.7 5.0

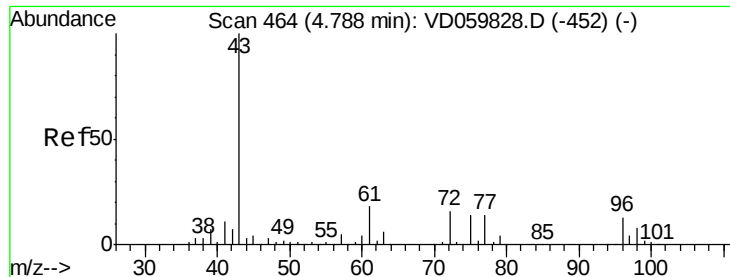


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 294.01 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1166821

Ion Ratio Lower Upper

43 100

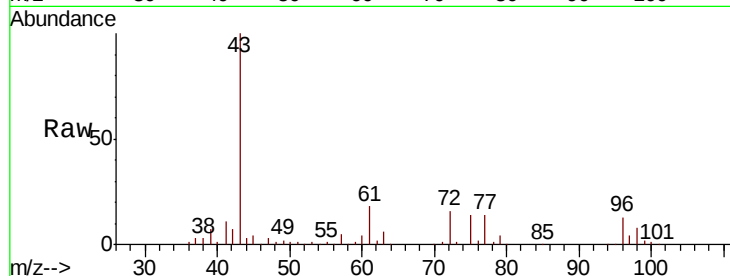
72 15.5 12.4 18.6

Manual Integrations

APPROVED

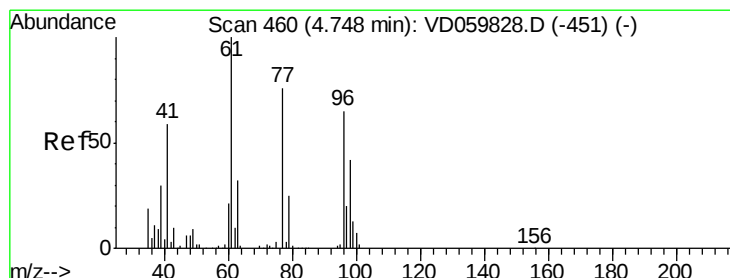
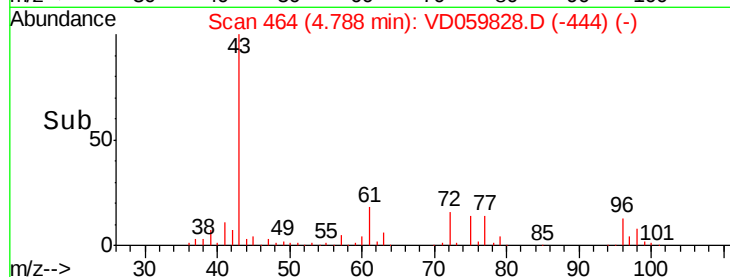
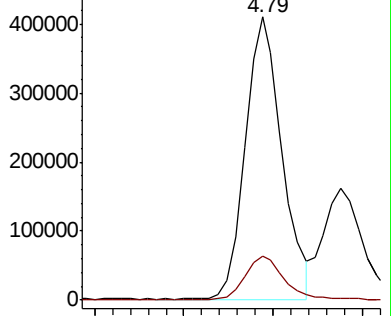
apatel

8/21/2018 10:23:32 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.64 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059828.D

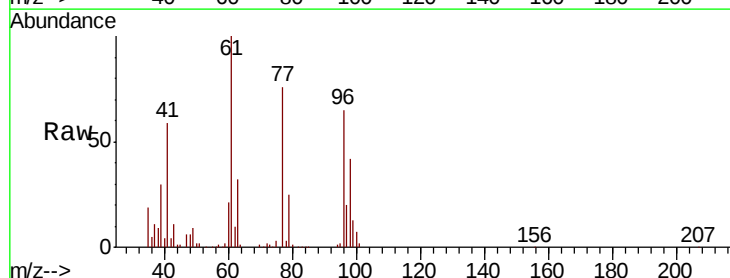
Acq: 20 Aug 2018 13:27

Tgt Ion: 77 Resp: 702095

Ion Ratio Lower Upper

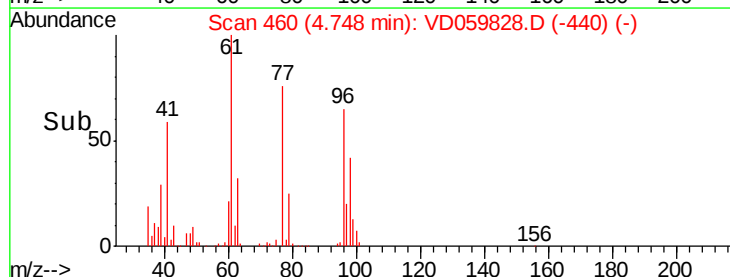
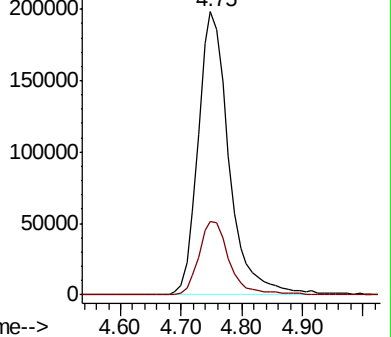
77 100

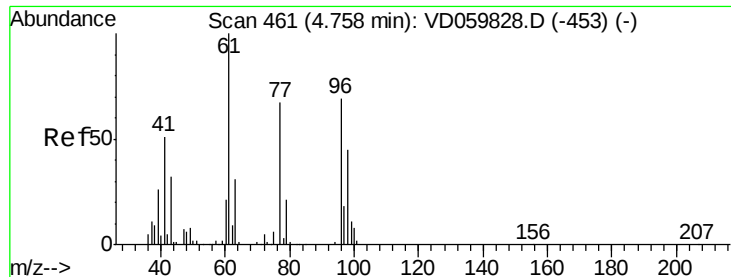
97 25.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 54.01 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

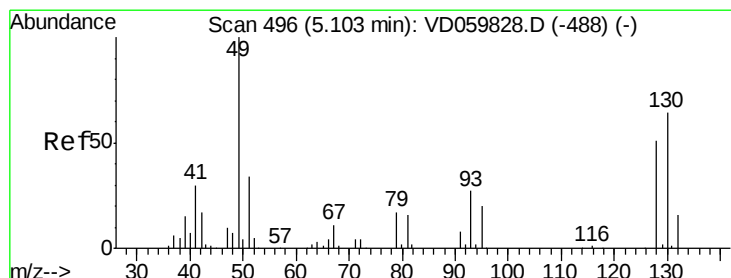
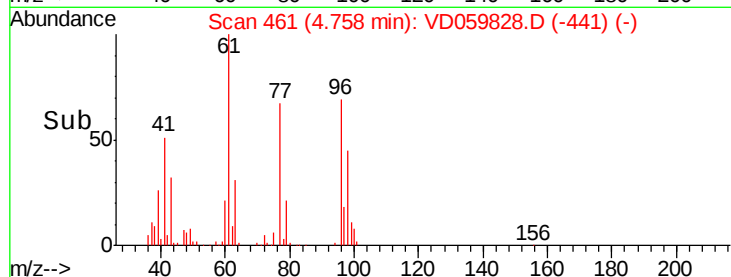
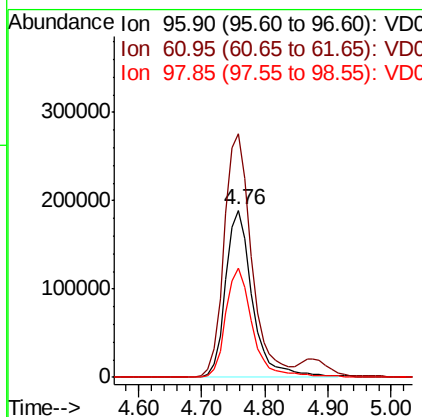
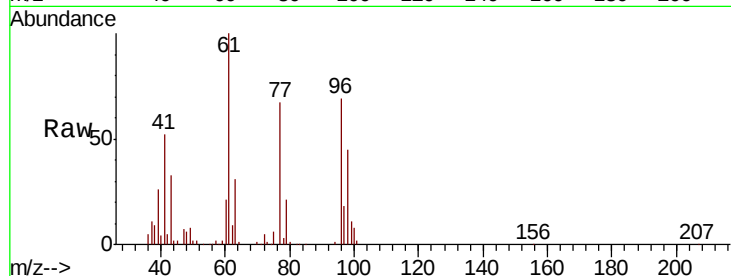
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	558274
Ion Ratio	Lower	Upper	
96	100		
61	145.9	0.0	291.8
98	65.8	0.0	131.6

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



#28

Bromochloromethane

Concen: 52.27 ug/l

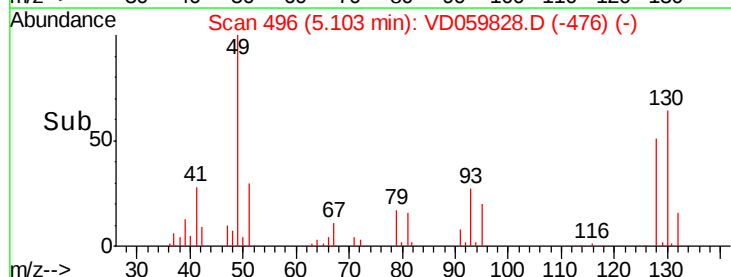
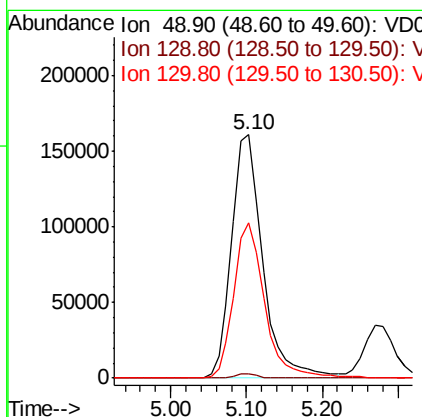
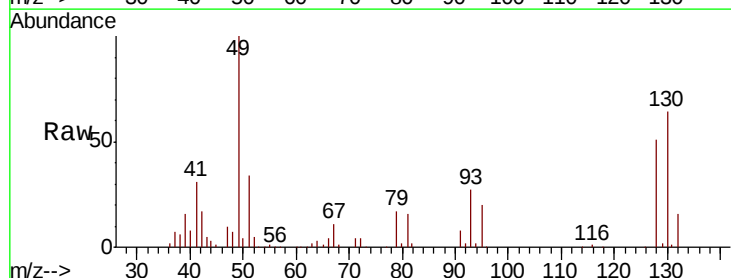
RT: 5.10 min Scan# 496

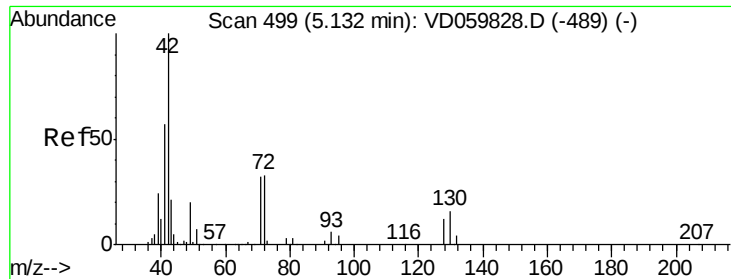
Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Tgt Ion:	49	Resp:	459140
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	63.8	51.0	76.6





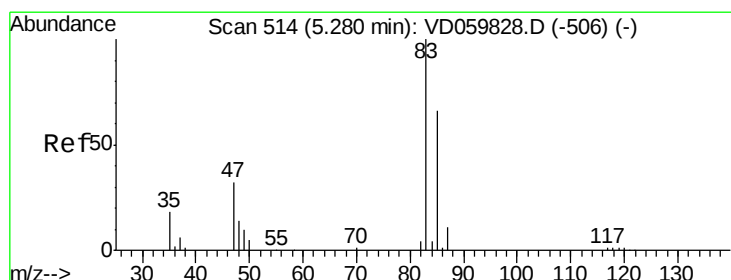
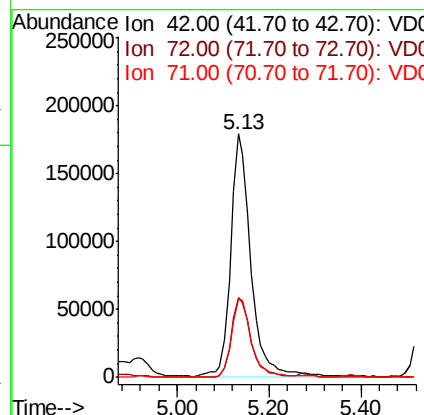
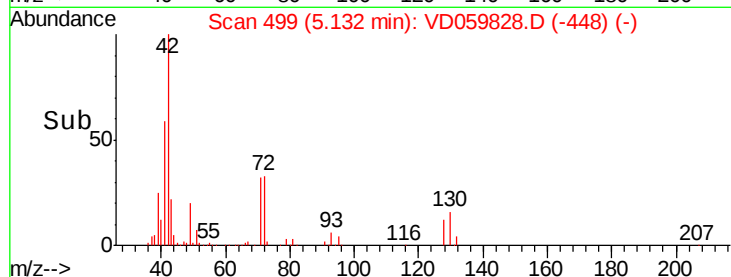
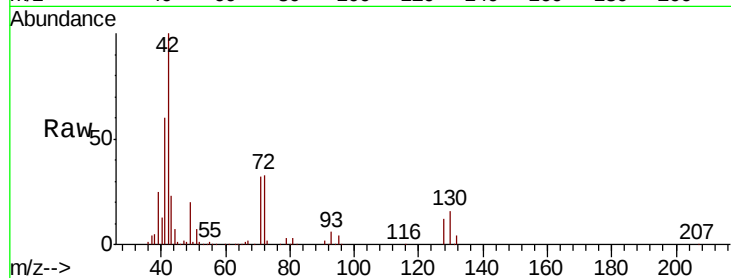
#29
Tetrahydrofuran
Concen: 271.98 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.2	25.8	38.6
71	32.1	25.7	38.5

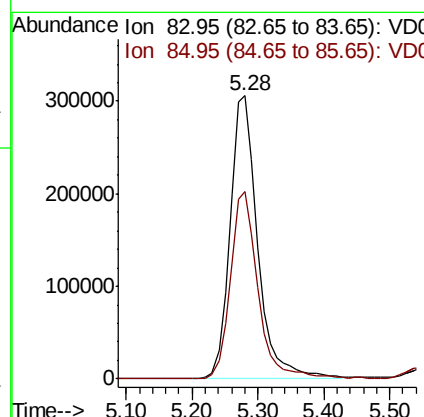
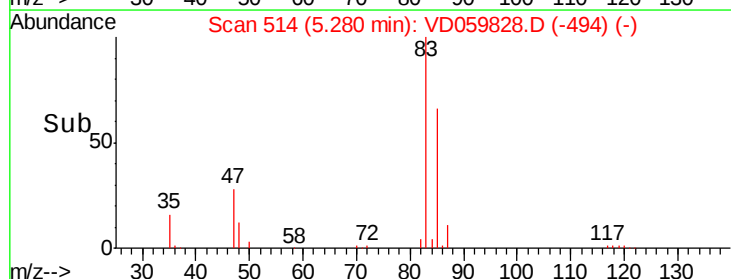
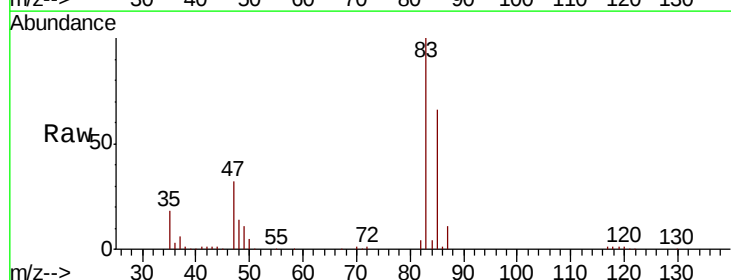
Manual Integrations
APPROVED

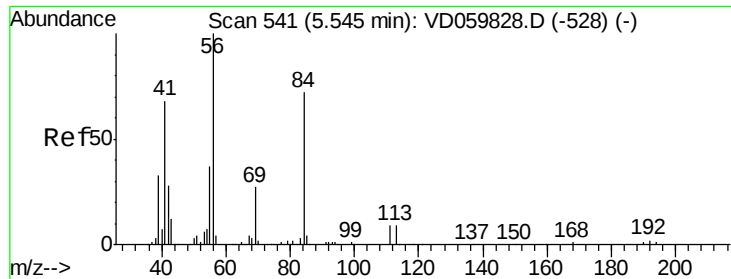
apatel
8/21/2018 10:23:32 AM



#30
Chloroform
Concen: 53.36 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3





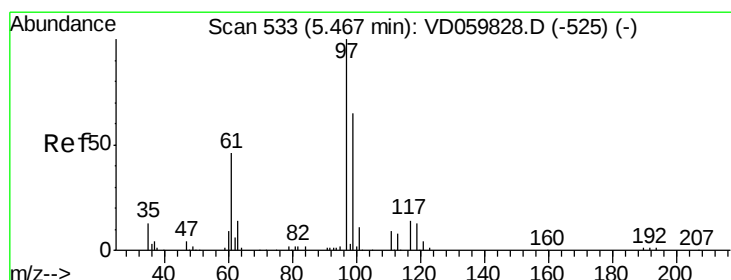
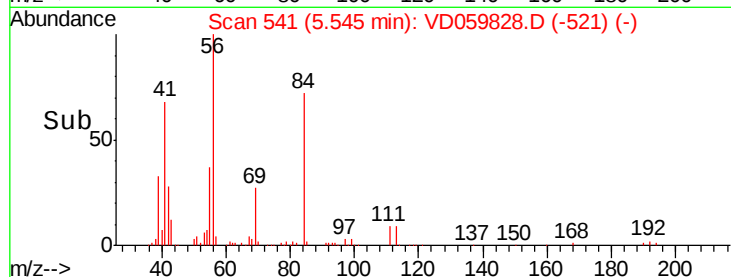
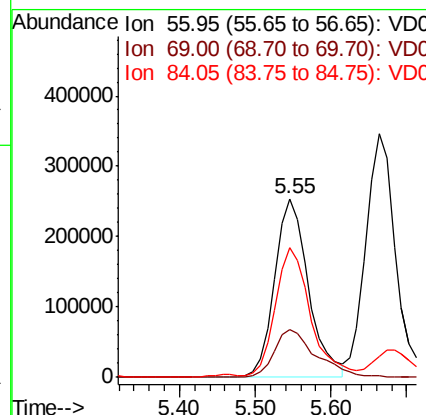
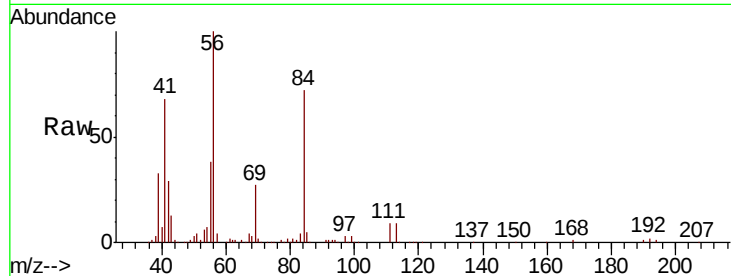
#31
Cyclohexane
Concen: 50.42 ug/l
RT: 5.55 min Scan# 541
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.1	21.7	32.5
84	72.2	57.8	86.6

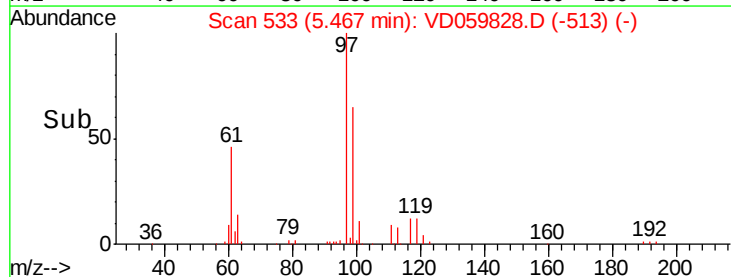
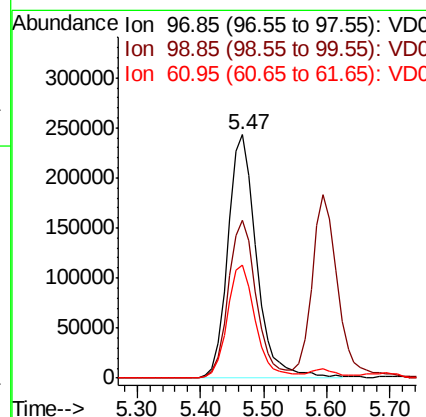
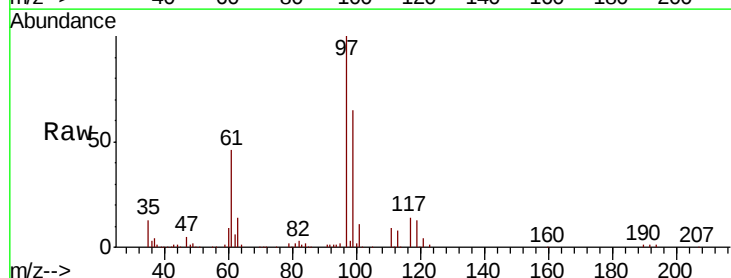
Manual Integrations
APPROVED

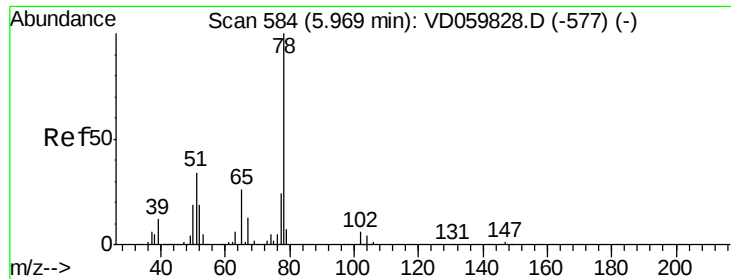
apatel
8/21/2018 10:23:32 AM



#32
1,1,1-Trichloroethane
Concen: 53.59 ug/l
RT: 5.47 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	46.3	37.0	55.6





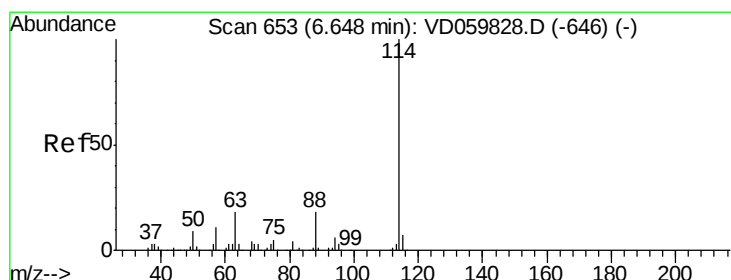
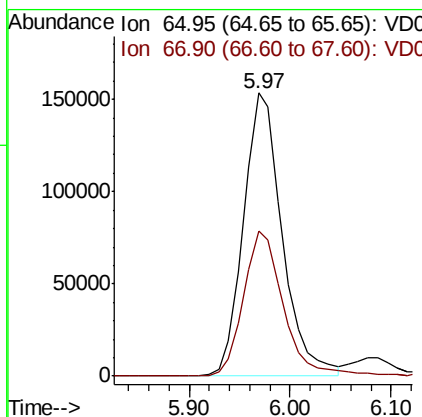
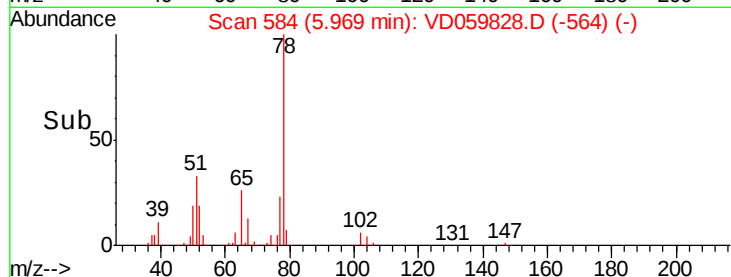
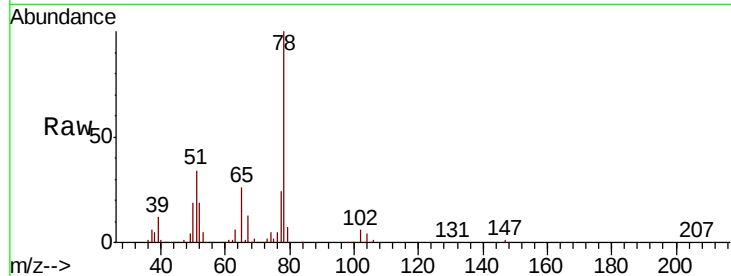
#33
 1,2-Dichloroethane-d4
 Concen: 53.59 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.4

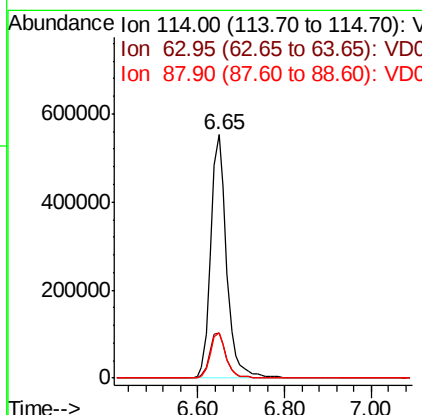
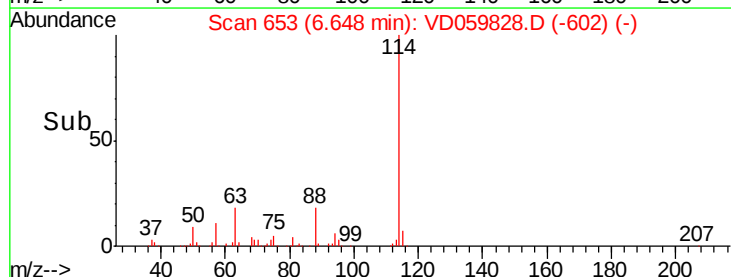
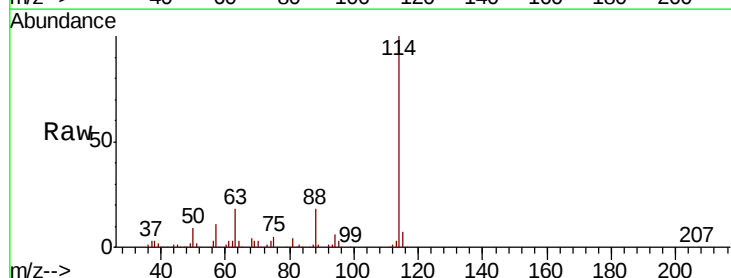
Manual Integrations
 APPROVED

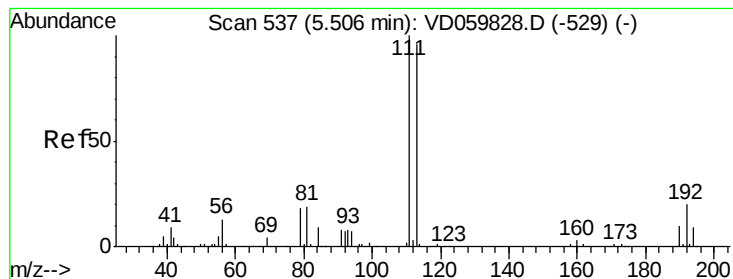
apatel
 8/21/2018 10:23:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	37.0
88	18.5	0.0	37.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

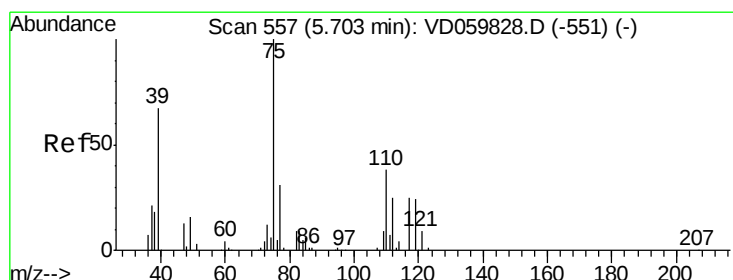
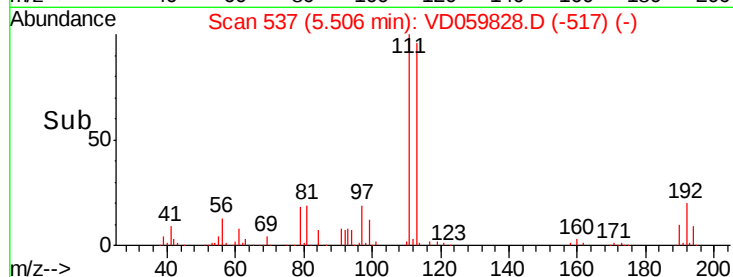
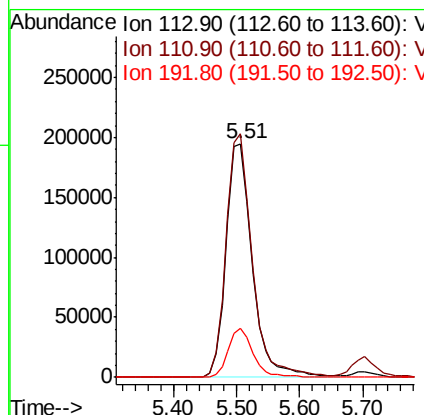
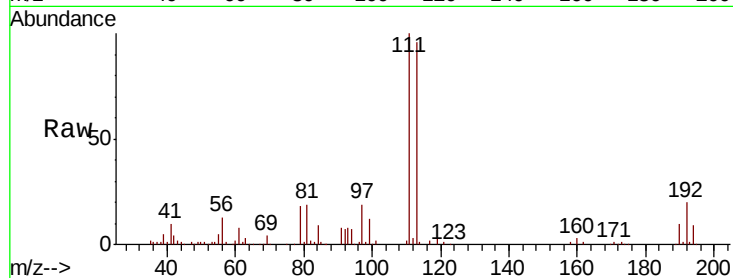
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	564955
Ion Ratio	Lower	Upper	
113	100		
111	104.1	83.3	124.9
192	21.0	16.8	25.2

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



#36

1,1-Dichloropropene

Concen: 52.99 ug/l

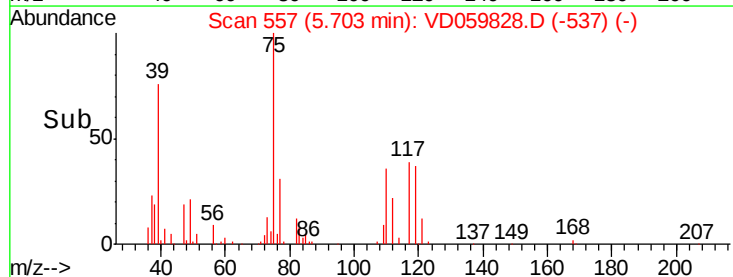
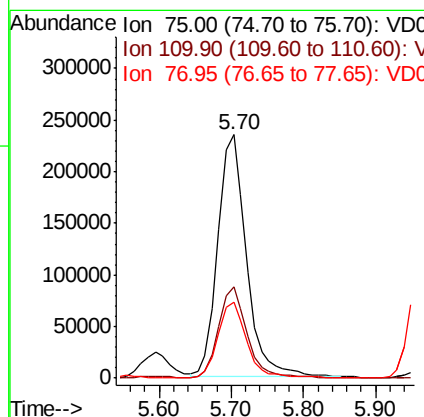
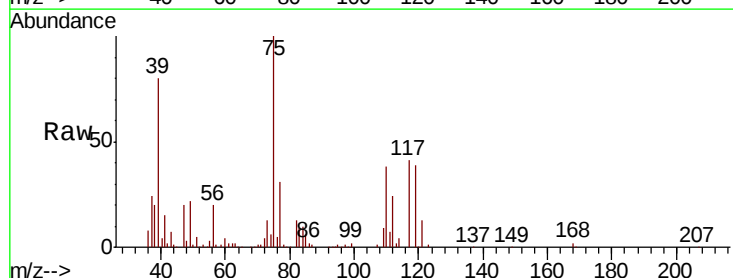
RT: 5.70 min Scan# 557

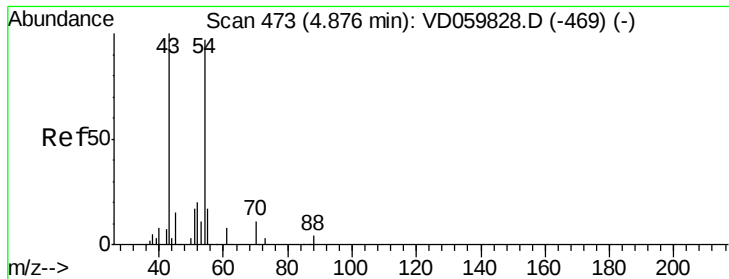
Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Tgt Ion:	75	Resp:	643788
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.8	56.4
77	31.1	24.9	37.3





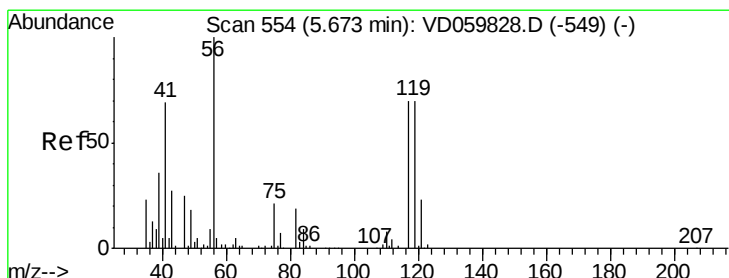
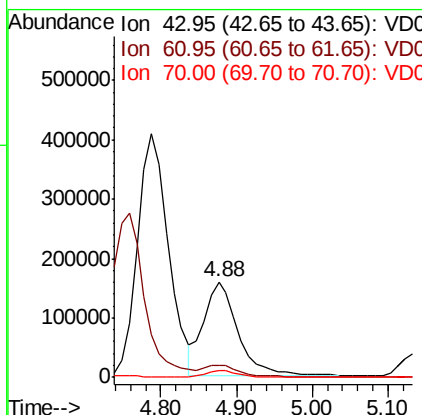
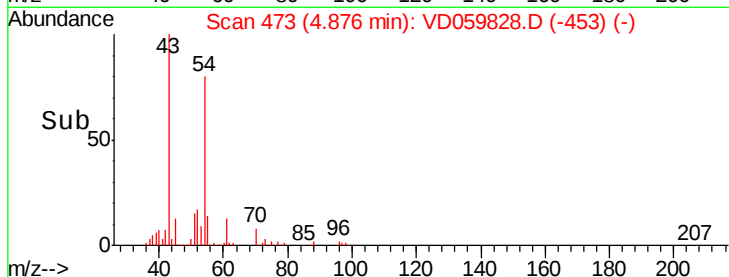
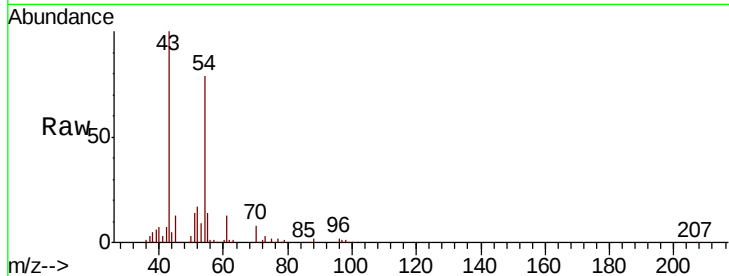
#37
Ethyl Acetate
Concen: 56.55 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	7.7	6.2	9.2

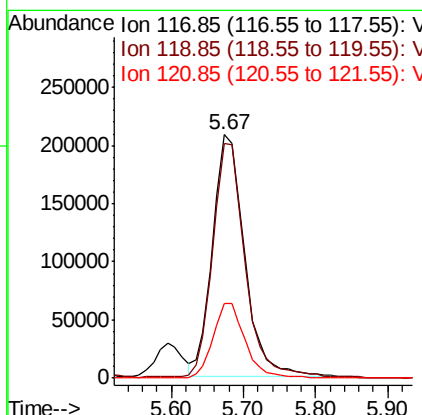
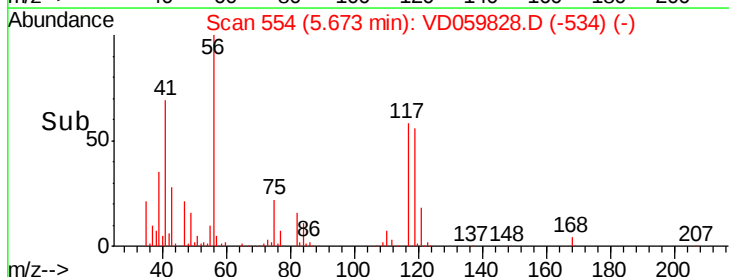
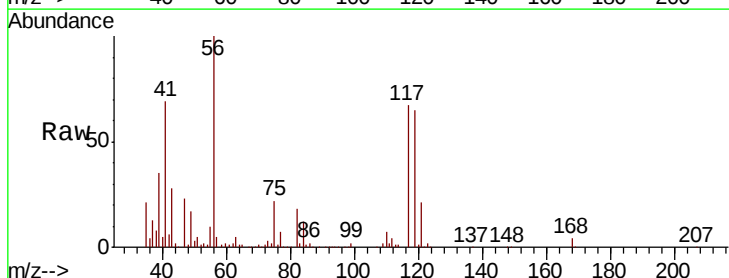
Manual Integrations
APPROVED

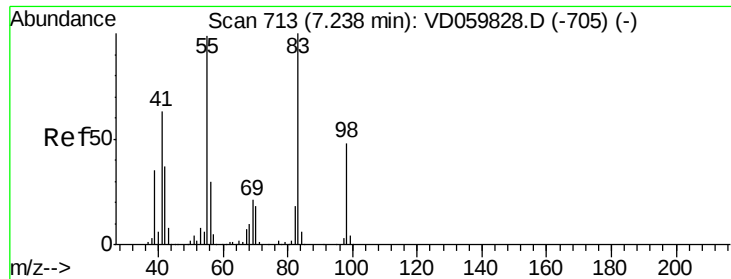
apatel
8/21/2018 10:23:32 AM



#38
Carbon Tetrachloride
Concen: 52.85 ug/l
RT: 5.67 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	30.9	24.7	37.1





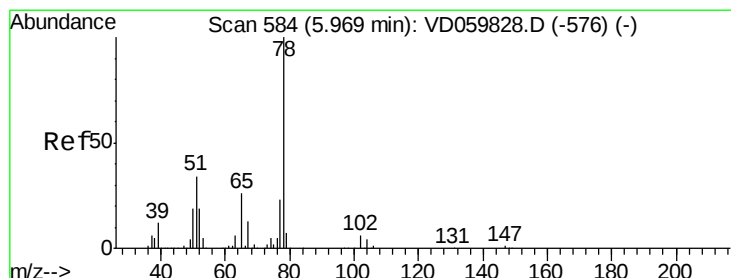
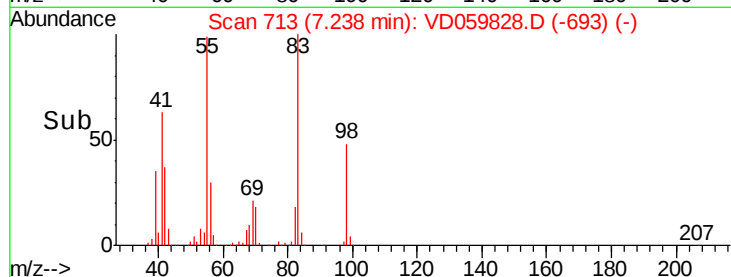
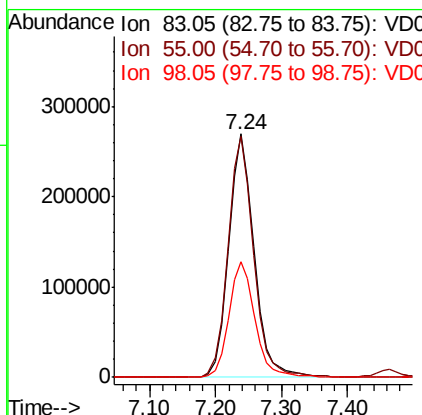
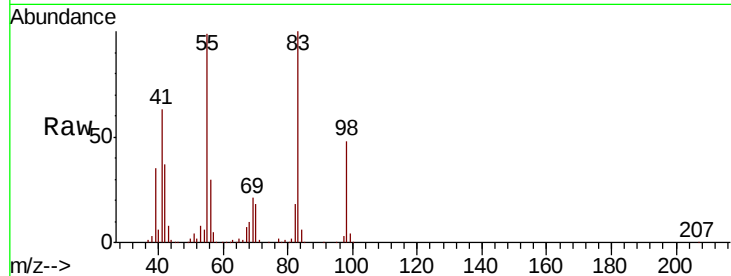
#39
Methvlcvclohexane
Concen: 56.56 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.8	79.0	118.6
98	47.6	38.1	57.1

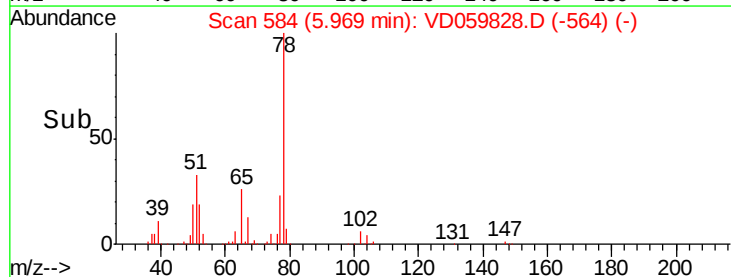
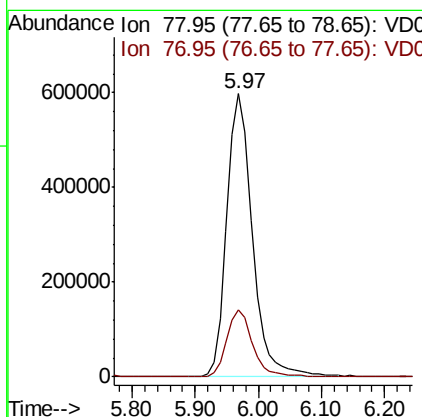
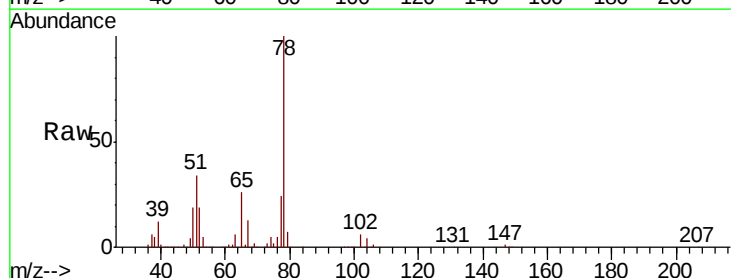
Manual Integrations
APPROVED

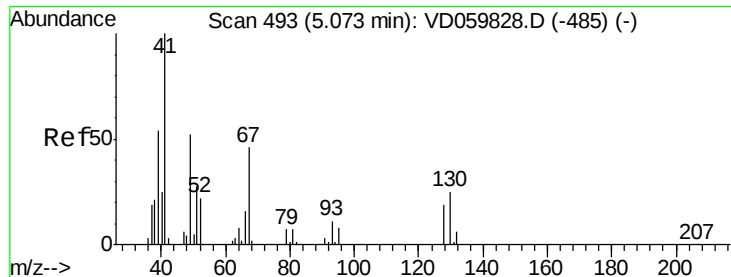
apatel
8/21/2018 10:23:32 AM



#40
Benzene
Concen: 53.78 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 52.95 ug/l

RT: 5.07 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

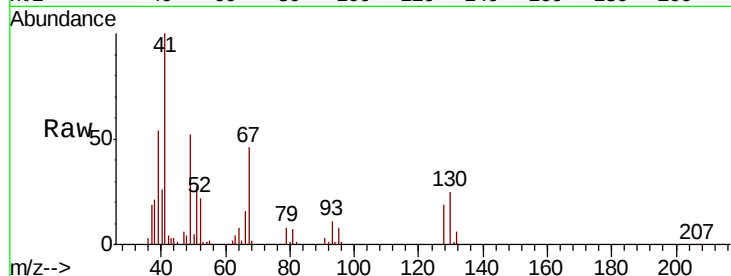
ClientSampleId :

VSTDICCC050

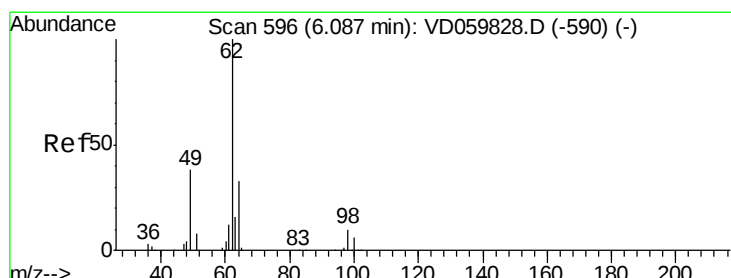
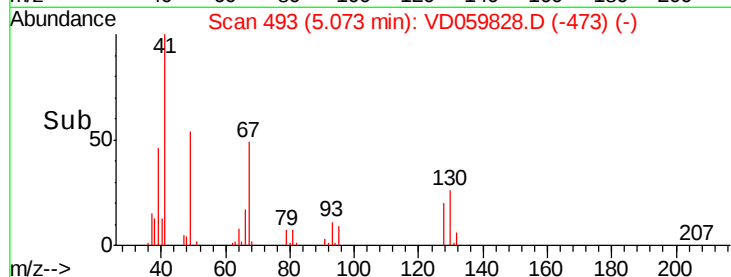
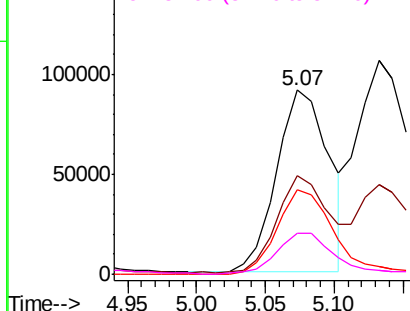
Tot Ion:	41	Resp:	241008
Ion Ratio	Lower	Upper	
41	100		
39	53.8	43.0	64.6
67	45.9	36.7	55.1
52	22.5	18.0	27.0

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.29 ug/l

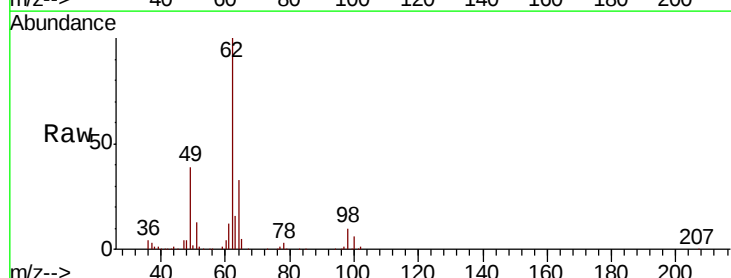
RT: 6.09 min Scan# 596

Delta R.T. 0.00 min

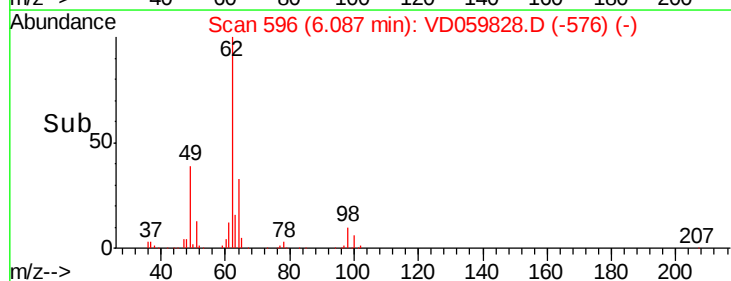
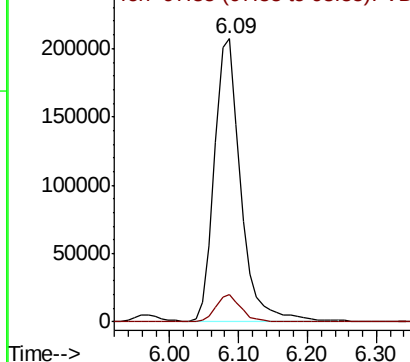
Lab File: VD059828.D

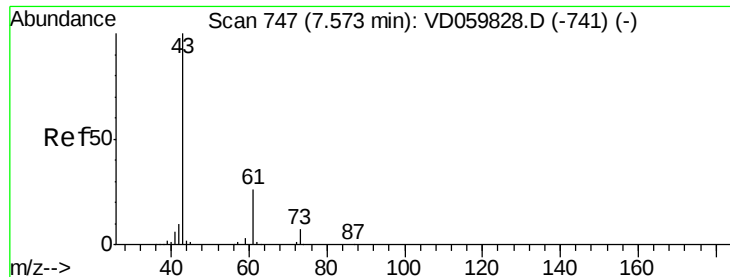
Acq: 20 Aug 2018 13:27

Tgt Ion:	62	Resp:	546858
Ion Ratio	Lower	Upper	
62	100		
98	9.7	0.0	19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

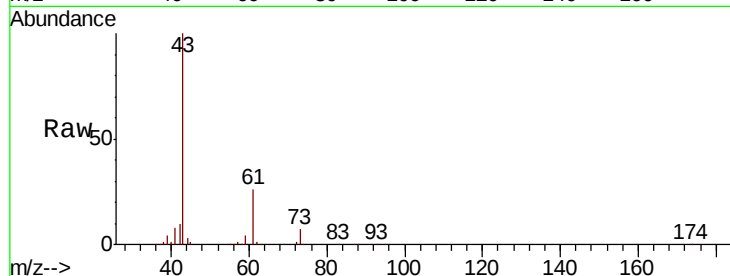
Isopropyl Acetate
 Concen: 53.93 ug/l
 RT: 7.57 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

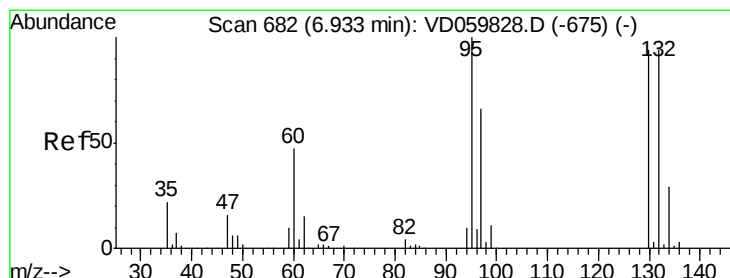
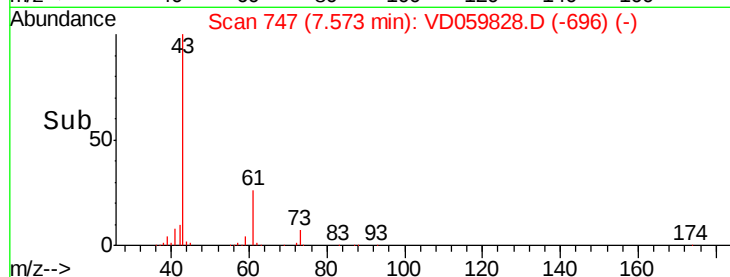
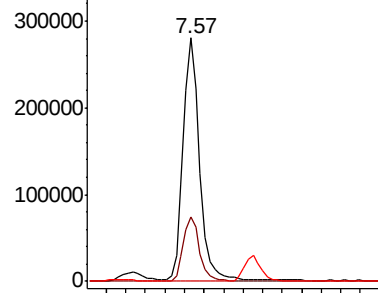
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.4
87	0.3	0.2	0.4

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:32 AM



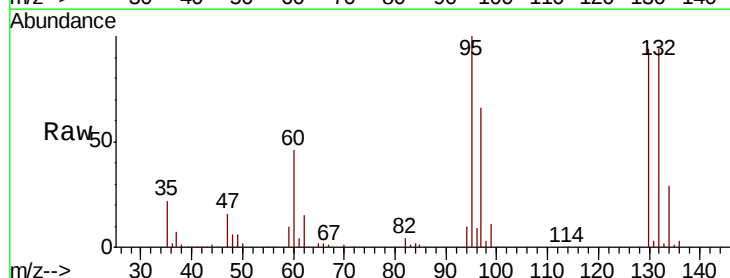
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



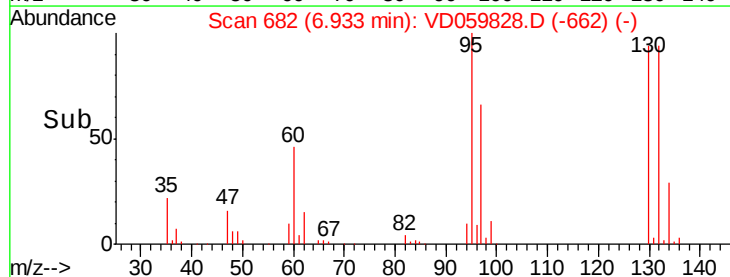
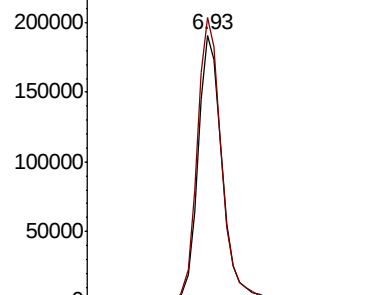
#44

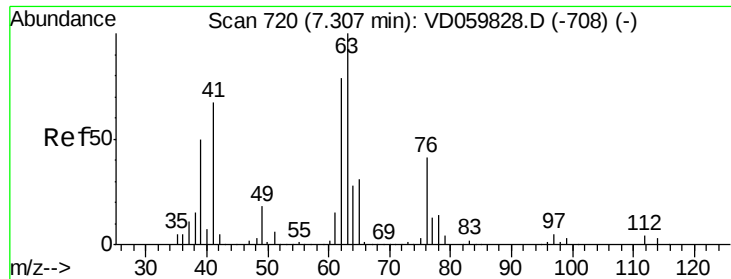
Trichloroethene
 Concen: 53.59 ug/l
 RT: 6.93 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	213.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





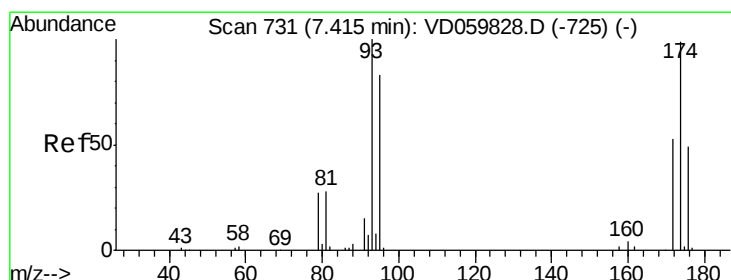
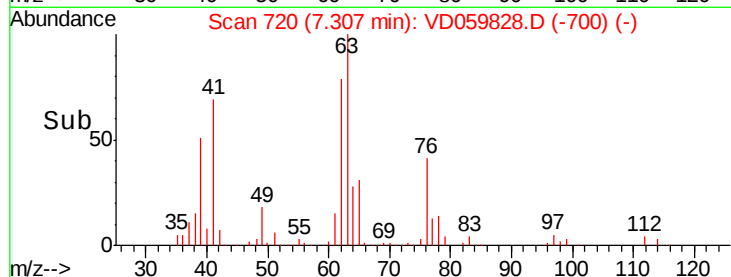
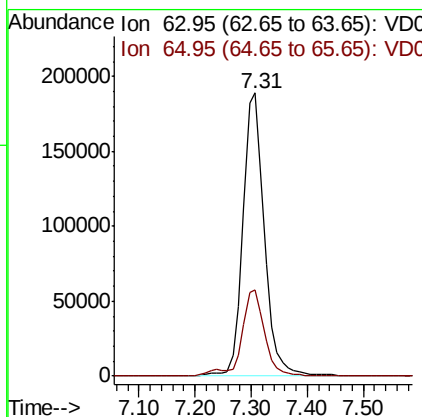
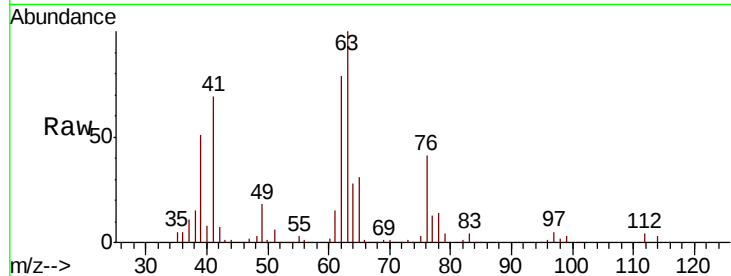
#45
 1,2-Dichloropropane
 Concen: 54.89 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 499006
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.5 36.7

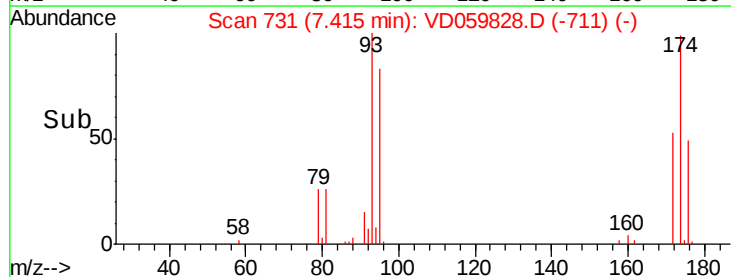
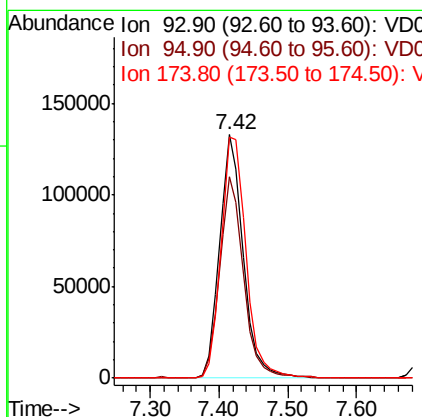
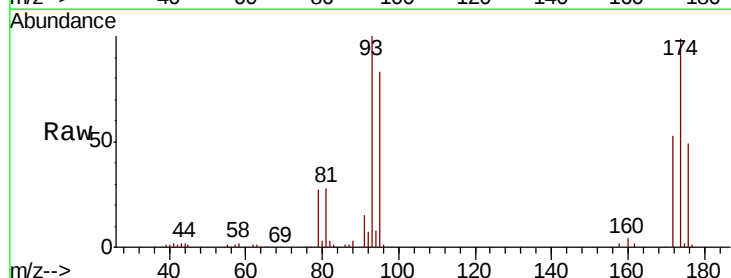
Manual Integrations
 APPROVED

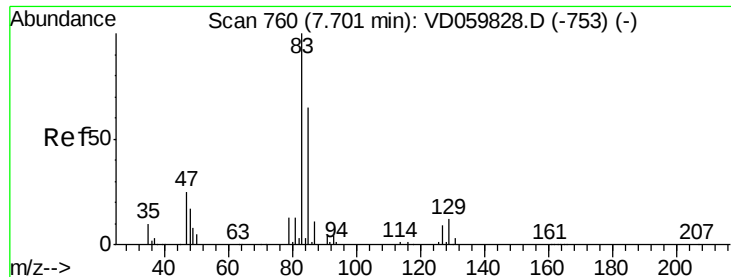
apatel
 8/21/2018 10:23:32 AM



#46
 Dibromomethane
 Concen: 55.72 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion: 93 Resp: 314762
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.3 99.5
 174 99.2 79.4 119.0





#47

Bromodichloromethane

Concen: 54.67 ug/l

RT: 7.70 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

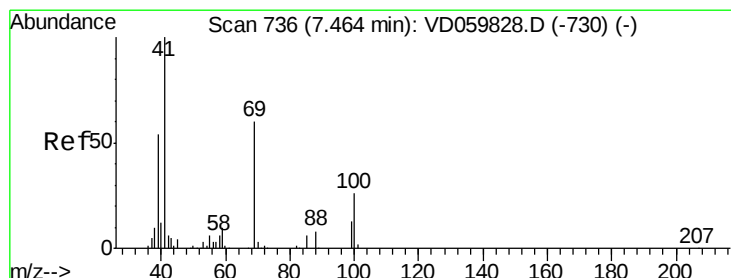
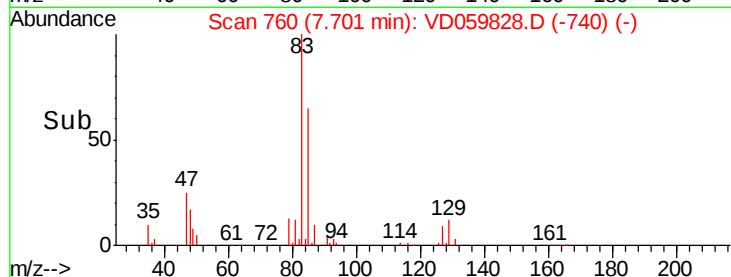
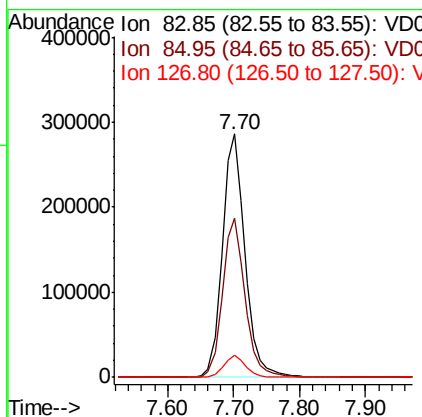
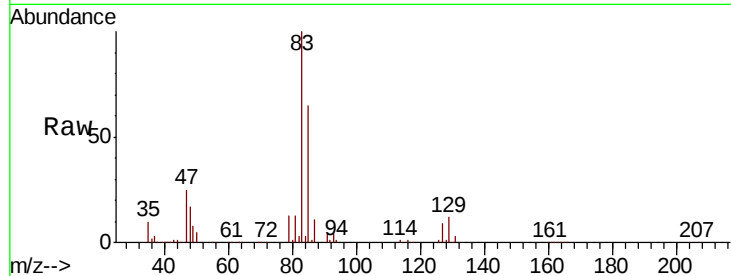
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	685297
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.2	78.4
127	8.9	7.1	10.7

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



#48

Methyl methacrylate

Concen: 54.64 ug/l

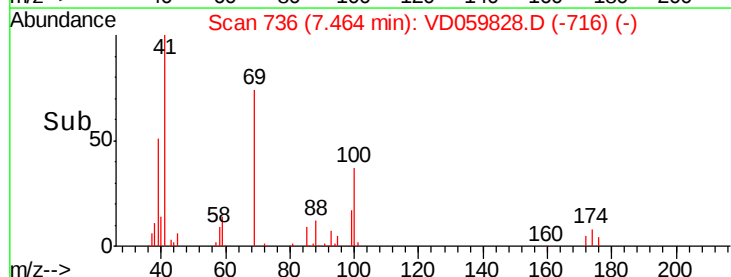
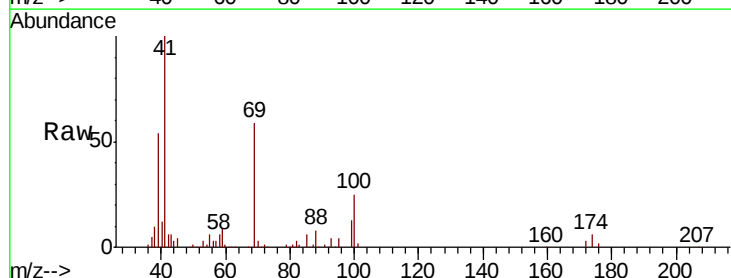
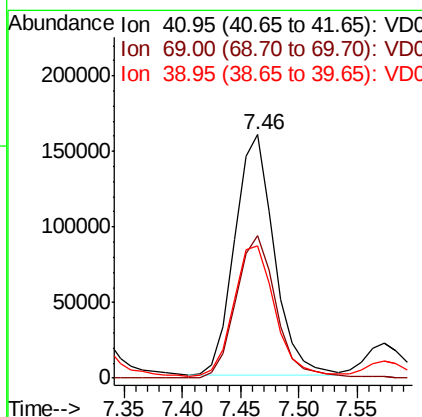
RT: 7.46 min Scan# 736

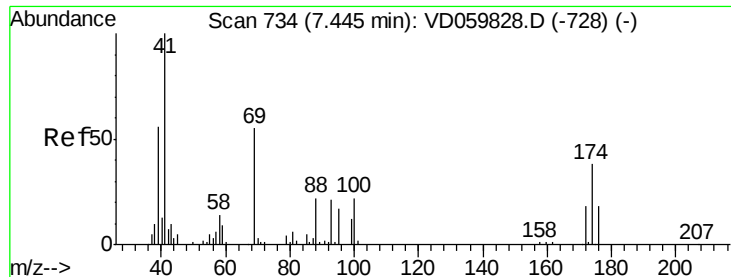
Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Tgt Ion:	41	Resp:	370632
Ion Ratio	Lower	Upper	
41	100		
69	58.7	47.0	70.4
39	54.3	43.4	65.2





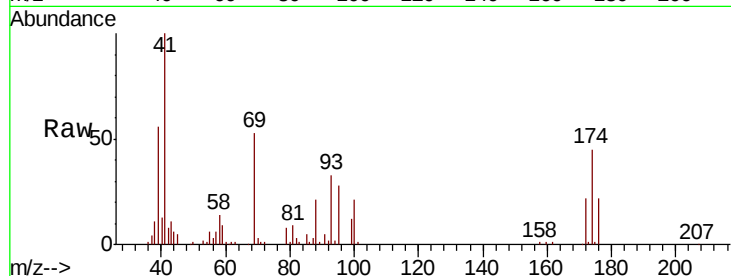
#49
1,4-Dioxane
Concen: 1133.08 ug/l
RT: 7.44 min Scan# 734
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

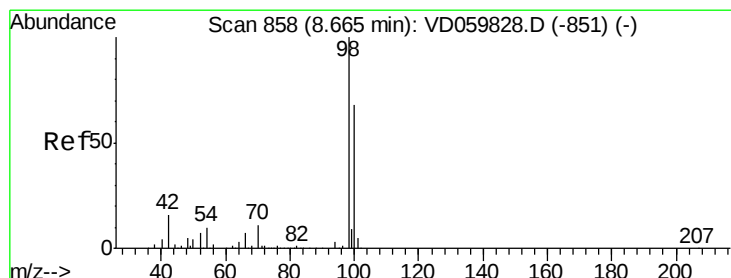
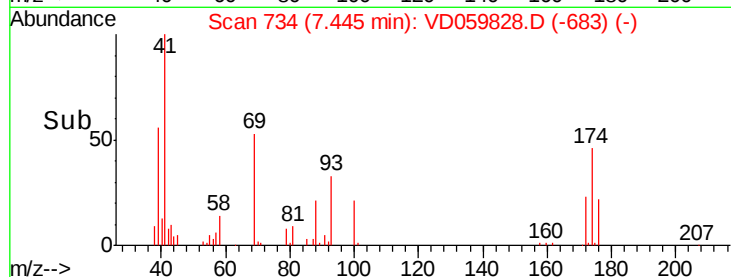
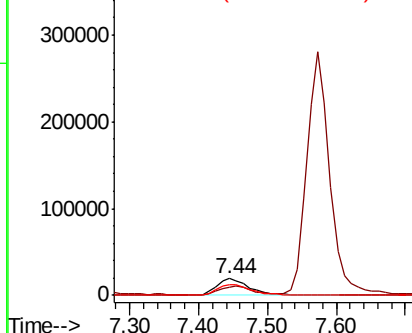
Tot Ion	88	Resp	64028
Ion Ratio	100	Lower	Upper
43	51.7	41.4	62.0
58	65.5	52.4	78.6

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM

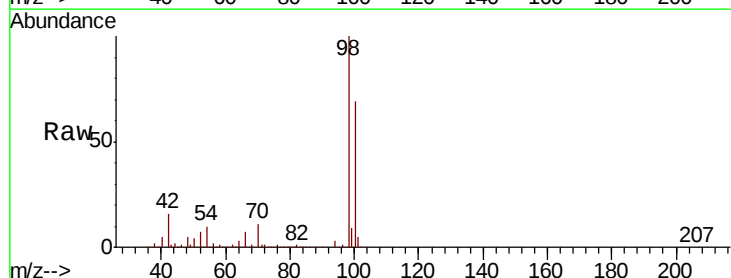


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

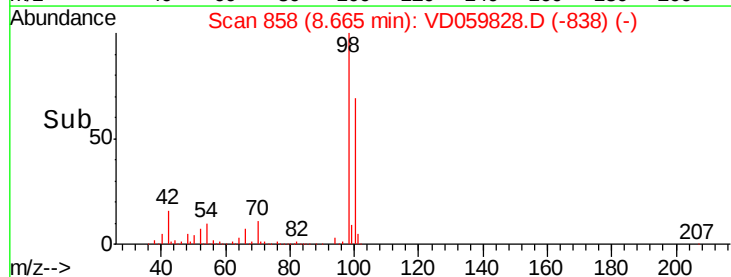
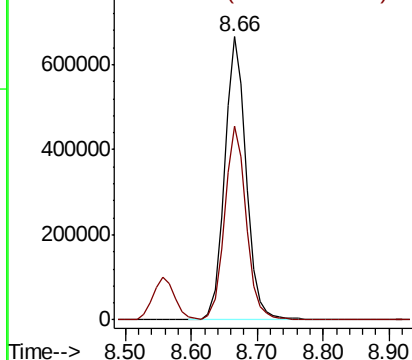


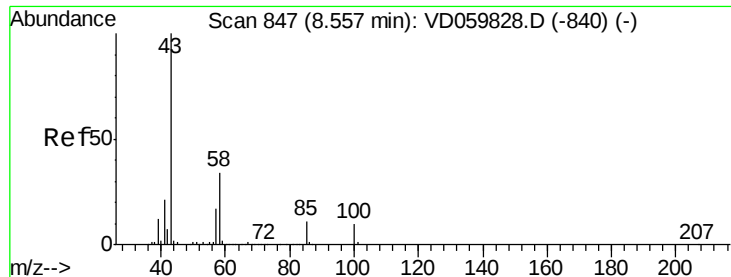
#50
Toluene-d8
Concen: 1133.08 ug/l
RT: 8.66 min Scan# 858
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	98	Resp	1521196
Ion Ratio	100	Lower	Upper
100	68.7	55.0	82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 299.55 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2498720

Ion Ratio Lower Upper

43 100

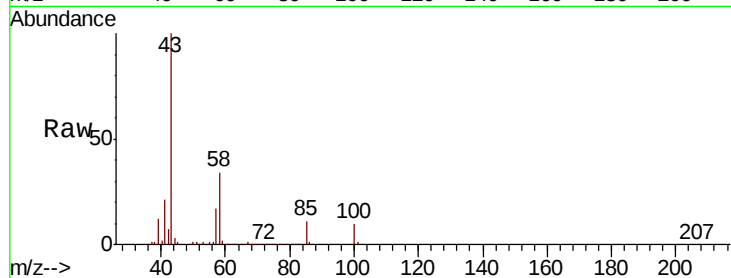
58 33.7 27.0 40.4

Manual Integrations

APPROVED

apatel

8/21/2018 10:23:32 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1200000

1000000

800000

600000

400000

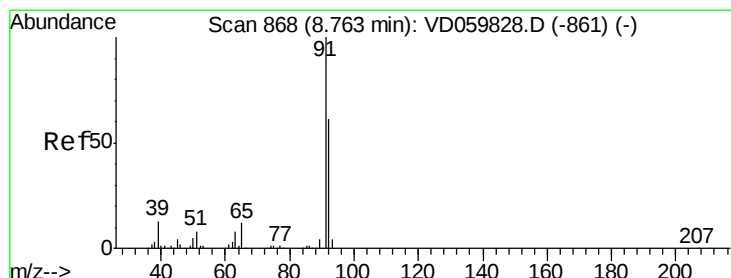
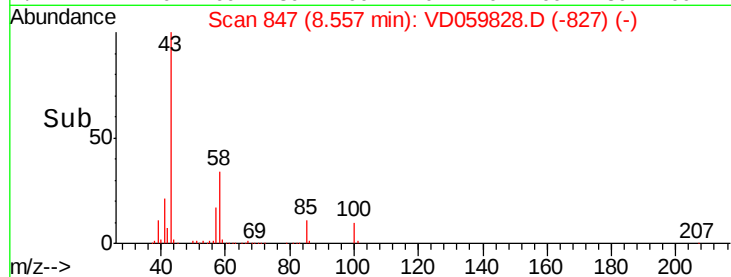
200000

0

8.56

8.40 8.50 8.60 8.70

Time-->



#52

Toluene

Concen: 52.77 ug/l

RT: 8.76 min Scan# 868

Delta R.T. 0.00 min

Lab File: VD059828.D

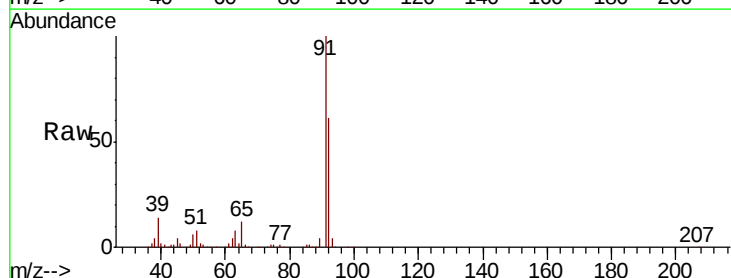
Acq: 20 Aug 2018 13:27

Tgt Ion: 92 Resp: 1050018

Ion Ratio Lower Upper

92 100

91 164.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

400000

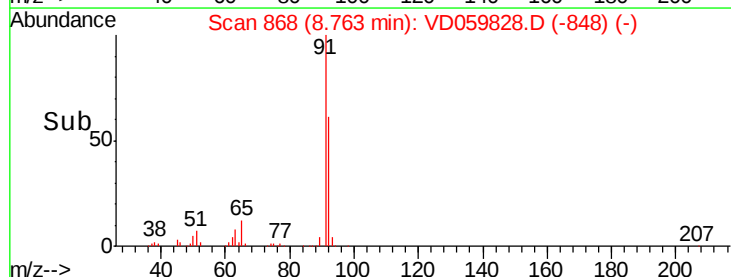
200000

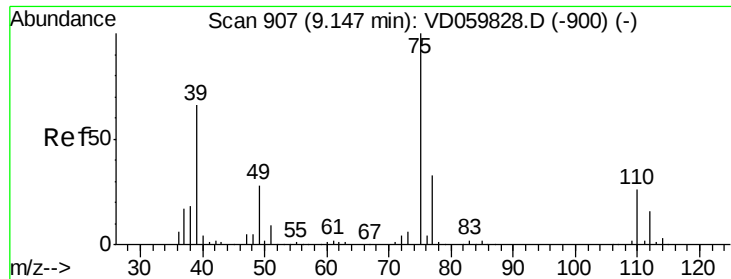
0

8.76

8.60 8.70 8.80 8.90

Time-->





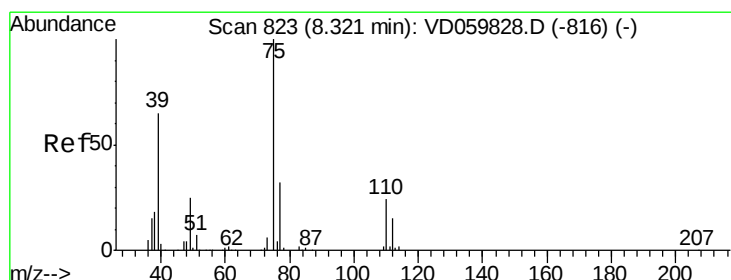
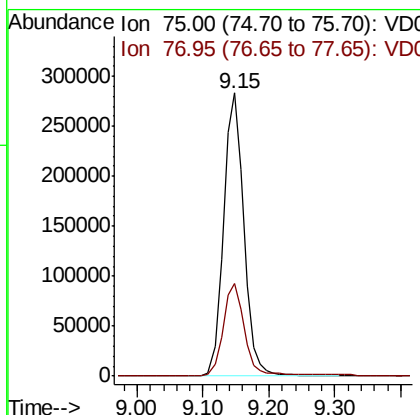
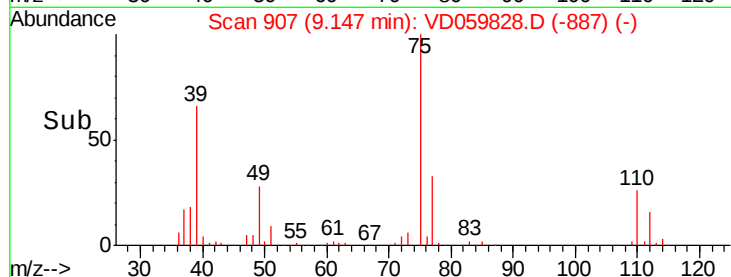
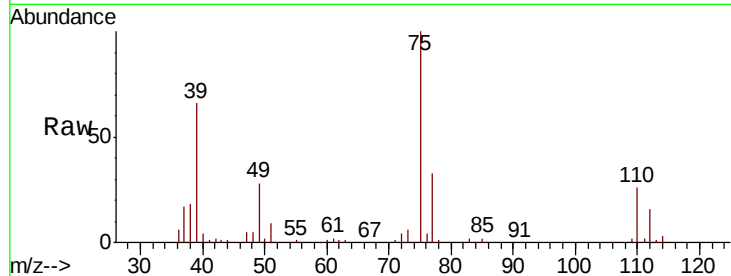
#53
t-1,3-Dichloropropene
Concen: 53.41 ug/l
RT: 9.15 min Scan# 907
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.3	39.5

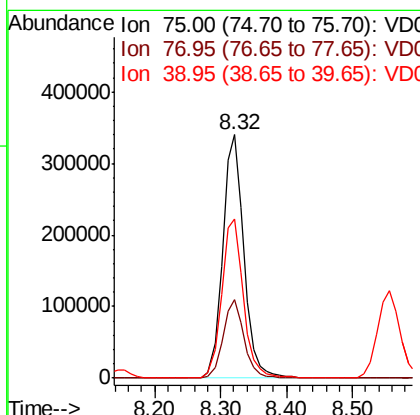
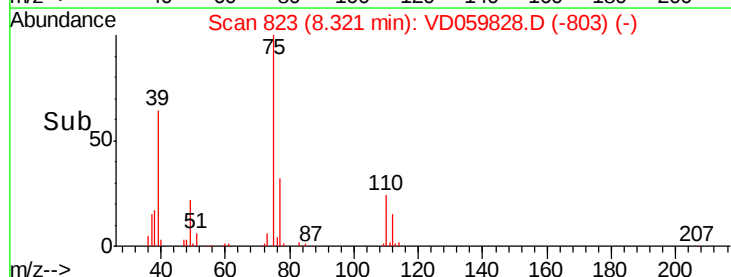
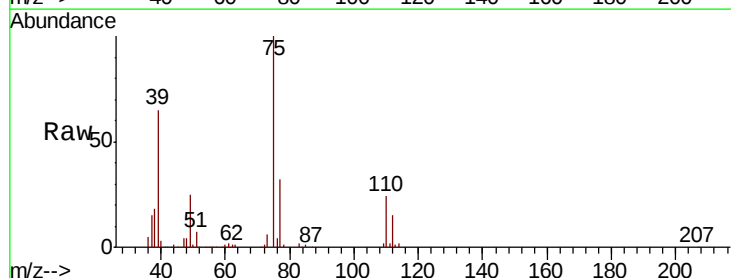
Manual Integrations
APPROVED

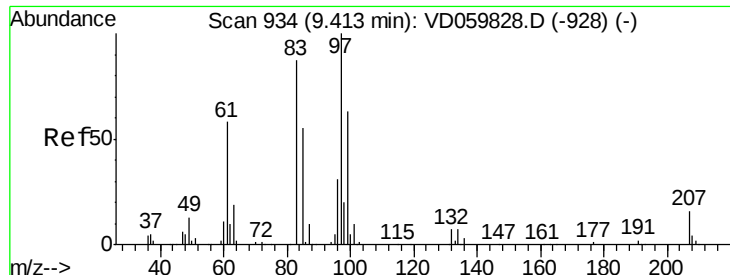
apatel
8/21/2018 10:23:32 AM



#54
cis-1,3-Dichloropropene
Concen: 55.63 ug/l
RT: 8.32 min Scan# 823
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	65.3	52.2	78.4





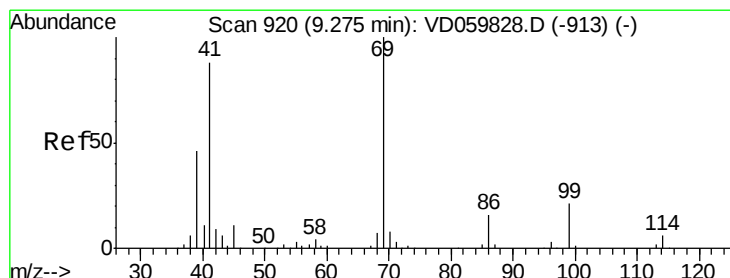
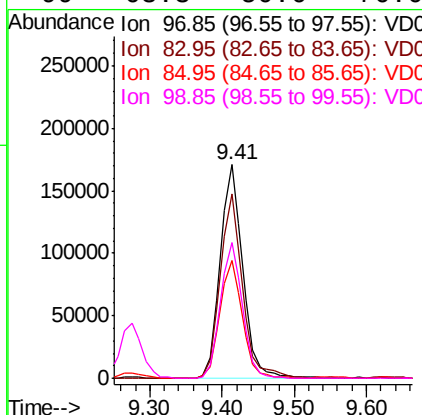
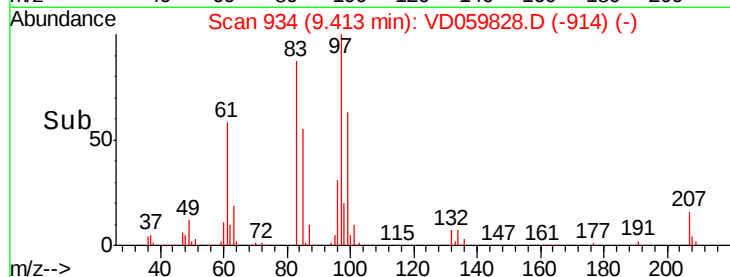
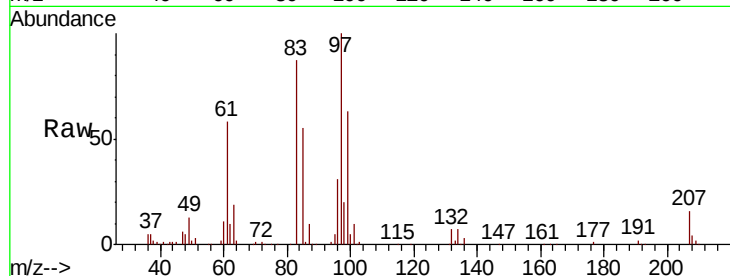
#55
 1,1,2-Trichloroethane
 Concen: 51.83 ug/l
 RT: 9.41 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		367120		
83	86.5	69.2	103.8		
85	55.4	44.3	66.5		
99	63.3	50.6	76.0		

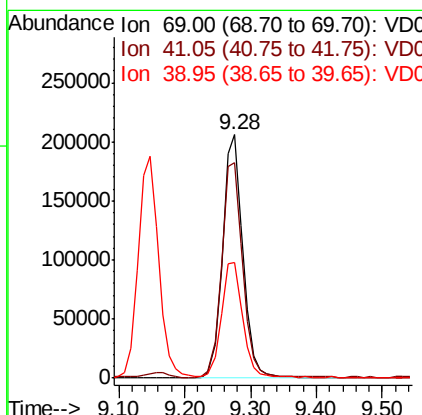
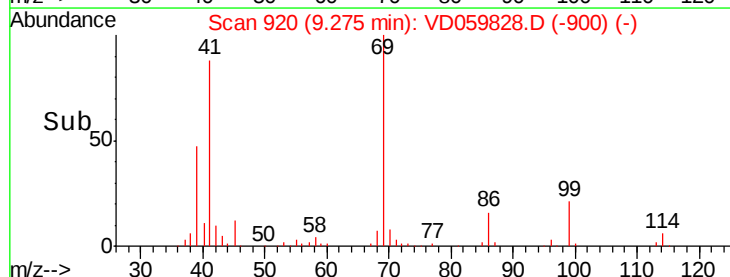
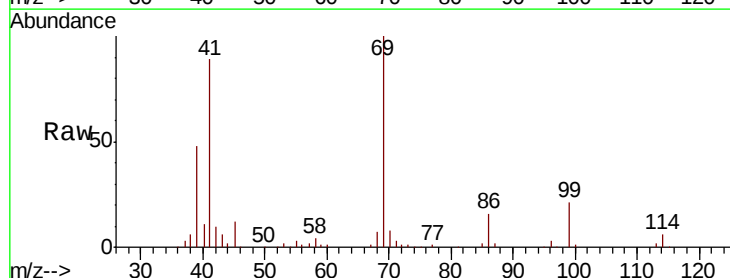
Manual Integrations
 APPROVED

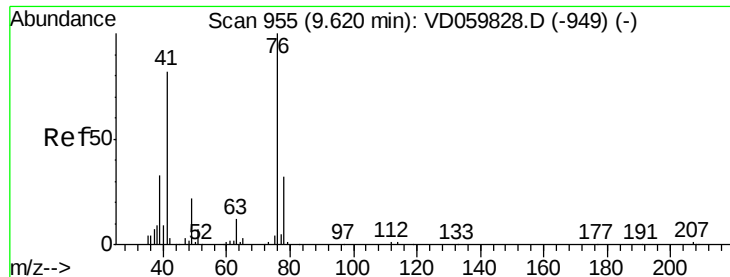
apatel
 8/21/2018 10:23:32 AM



#56
 Ethyl methacrylate
 Concen: 54.45 ug/l
 RT: 9.28 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		443172		
41	88.7	71.0	106.4		
39	47.5	38.0	57.0		





#57

1,3-Dichloropropane

Concen: 53.67 ug/l

RT: 9.62 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 554243

Ion Ratio Lower Upper

76 100

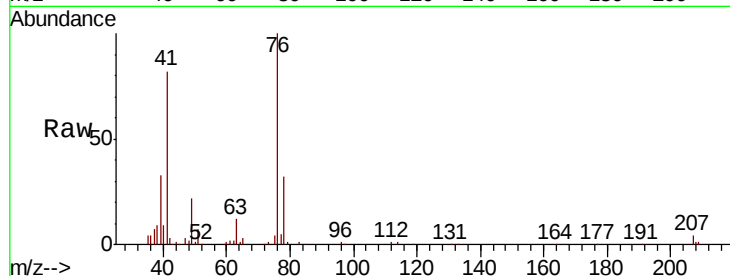
78 31.9 25.5 38.3

Manual Integrations

APPROVED

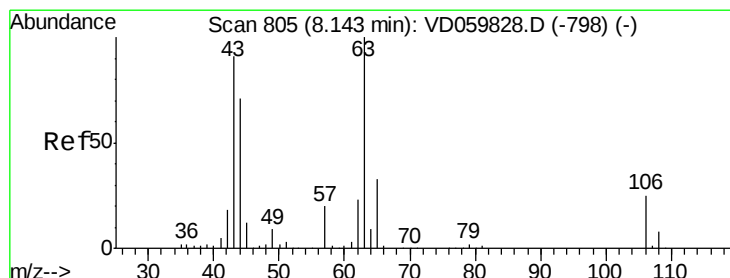
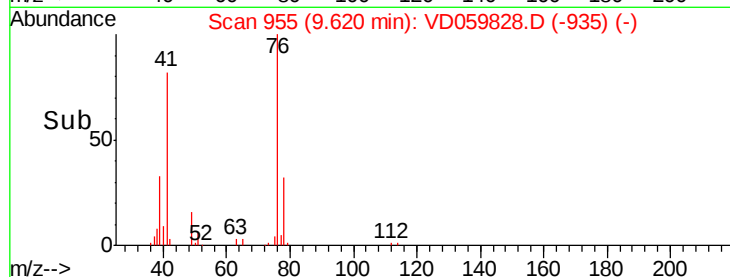
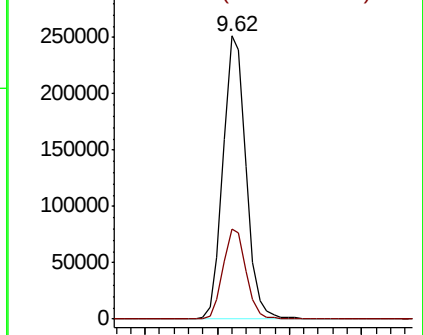
apatel

8/21/2018 10:23:32 AM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 260.59 ug/l

RT: 8.14 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD059828.D

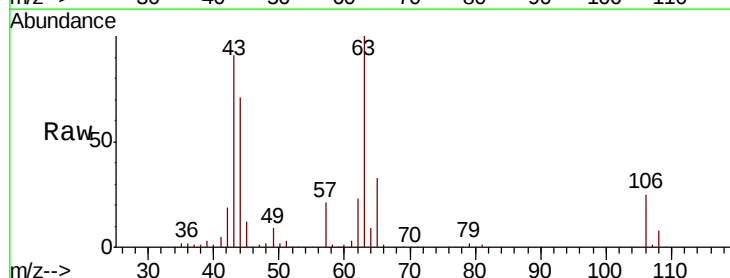
Acq: 20 Aug 2018 13:27

Tgt Ion: 63 Resp: 1089396

Ion Ratio Lower Upper

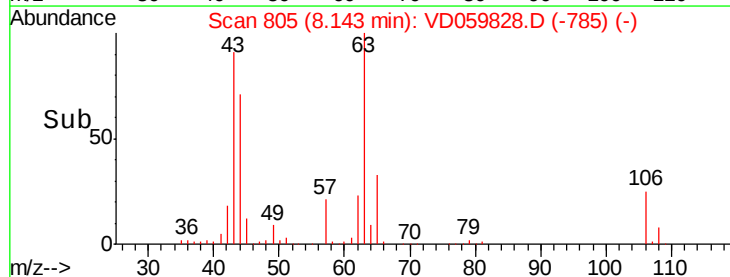
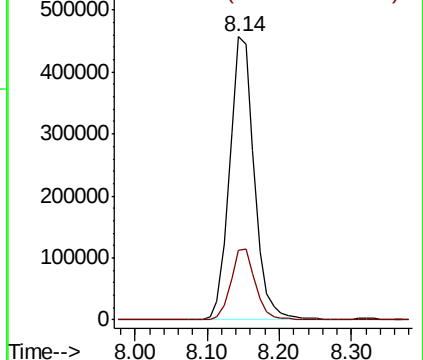
63 100

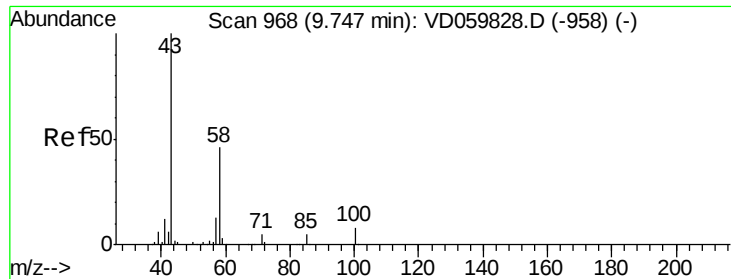
106 24.5 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





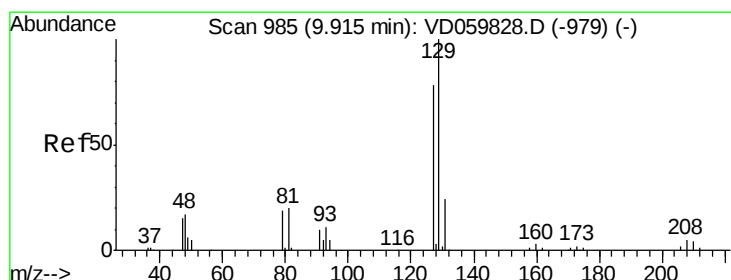
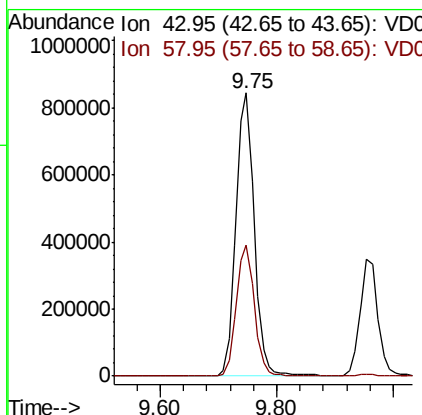
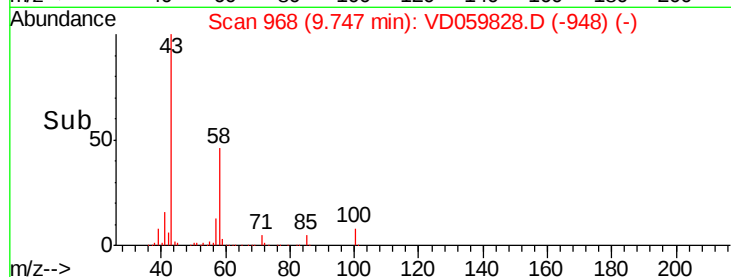
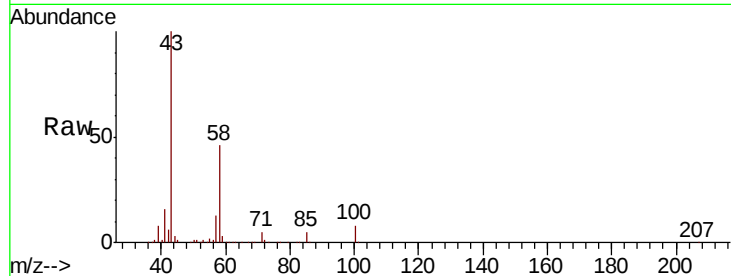
#59
2-Hexanone
Concen: 298.78 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1835717
Ion Ratio Lower Upper
43 100
58 46.1 23.1 69.2

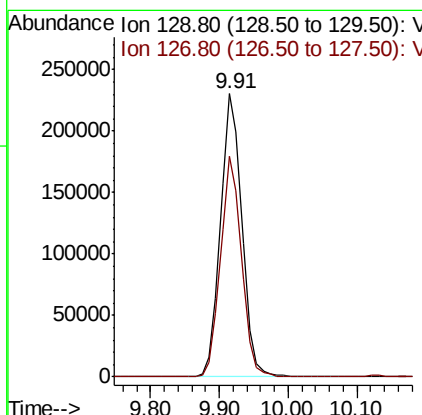
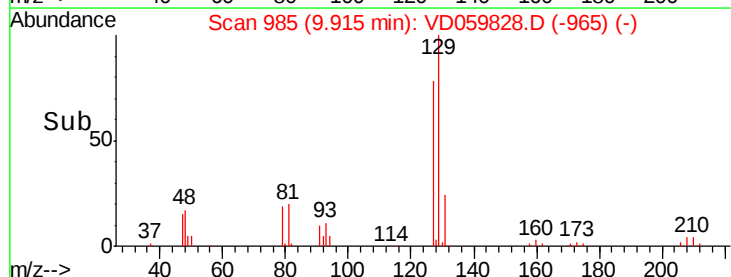
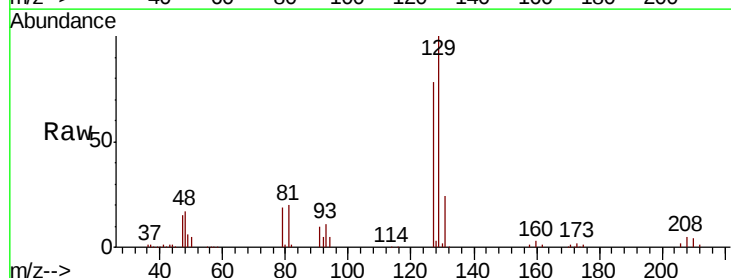
Manual Integrations
APPROVED

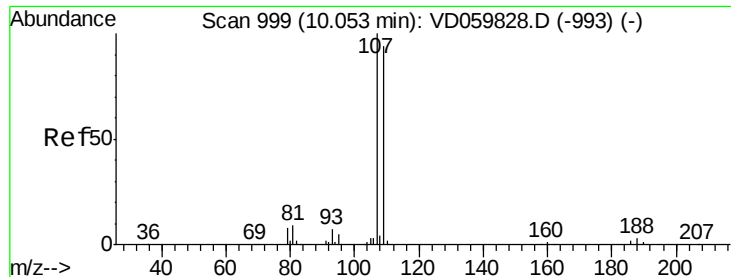
apatel
8/21/2018 10:23:32 AM



#60
Dibromochloromethane
Concen: 54.56 ug/l
RT: 9.91 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion: 129 Resp: 496738
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 54.82 ug/l

RT: 10.05 min Scan# 999

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 412952

Ion Ratio Lower Upper

107 100

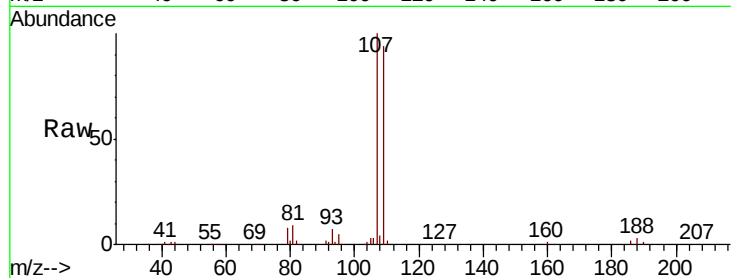
109 93.8 75.0 112.6

Manual Integrations

APPROVED

apatel

8/21/2018 10:23:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

200000

150000

100000

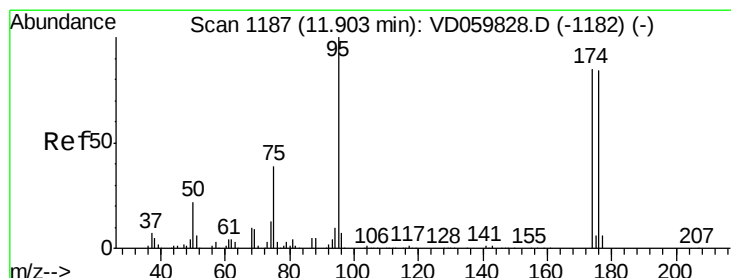
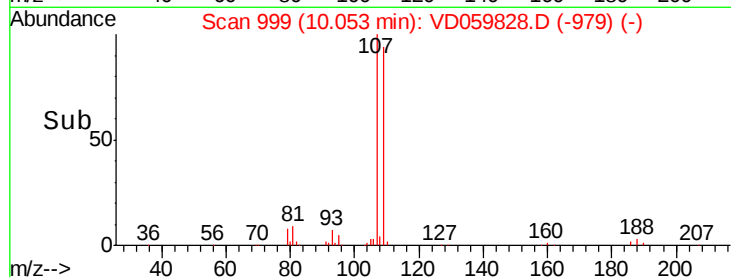
50000

0

10.05

9.90 10.00 10.10 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 54.82 ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

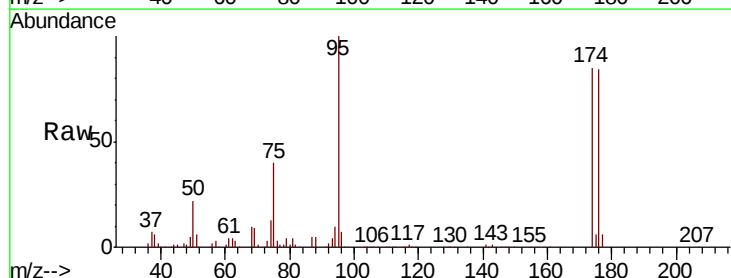
Tgt Ion: 95 Resp: 566791

Ion Ratio Lower Upper

95 100

174 84.6 0.0 169.2

176 84.0 0.0 168.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

500000

400000

300000

200000

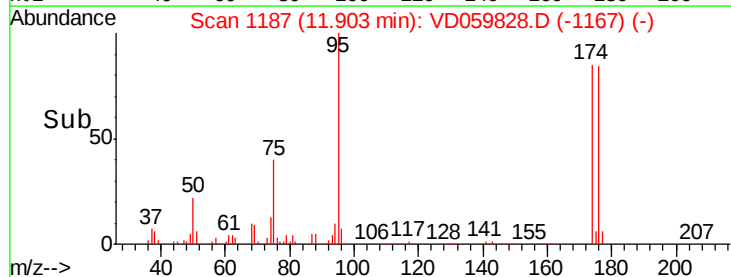
100000

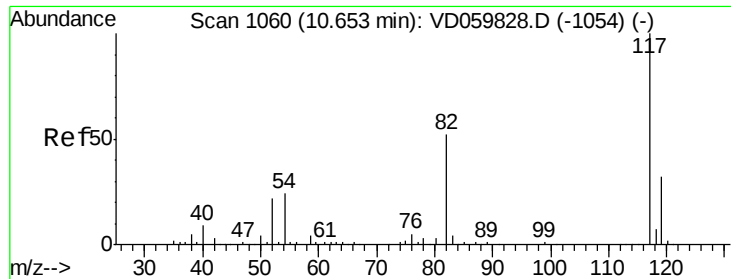
0

11.90

11.80 11.90 12.00

Time-->





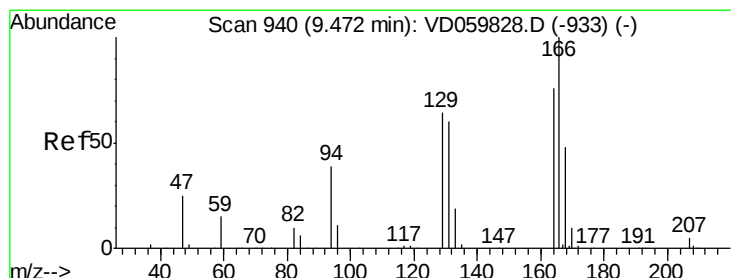
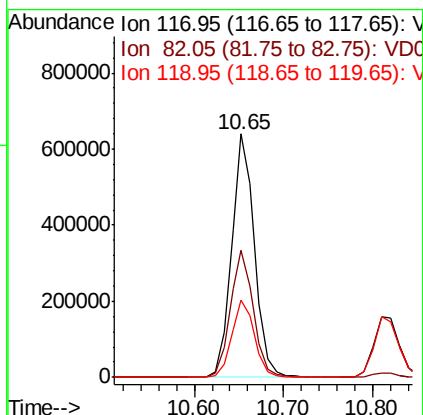
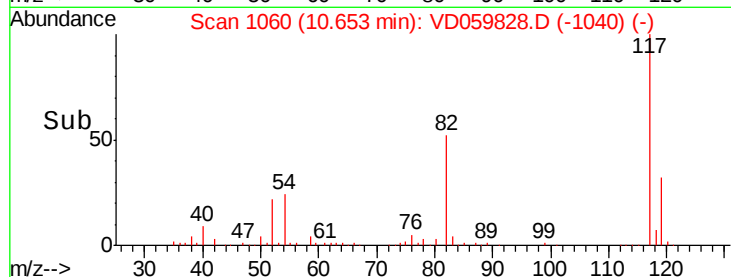
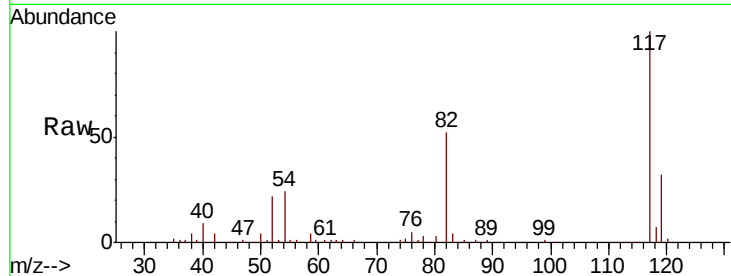
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1145539
Ion Ratio Lower Upper
117 100
82 52.0 41.6 62.4
119 32.0 25.6 38.4

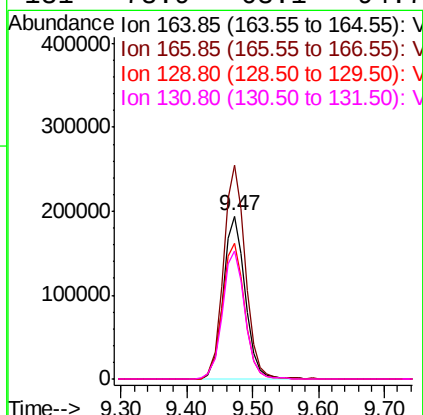
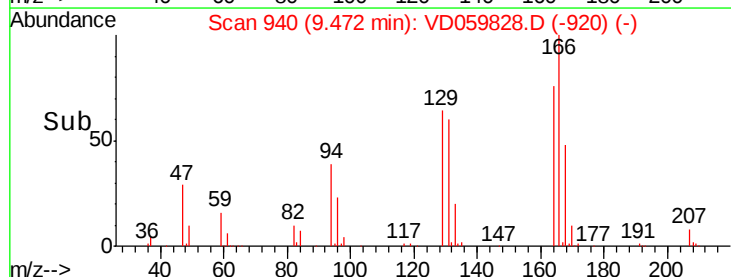
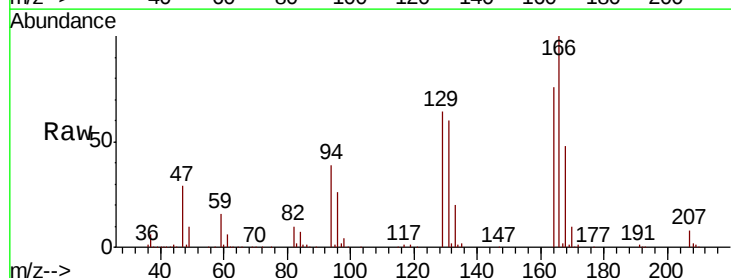
Manual Integrations
APPROVED

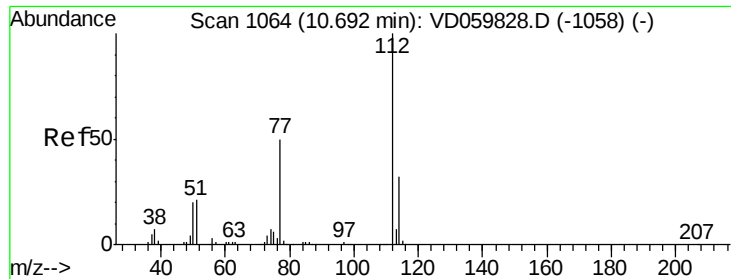
apatel
8/21/2018 10:23:32 AM



#64
Tetrachloroethene
Concen: 53.67 ug/l
RT: 9.47 min Scan# 940
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion:164 Resp: 451492
Ion Ratio Lower Upper
164 100
166 131.1 104.9 157.3
129 83.4 66.7 100.1
131 78.9 63.1 94.7





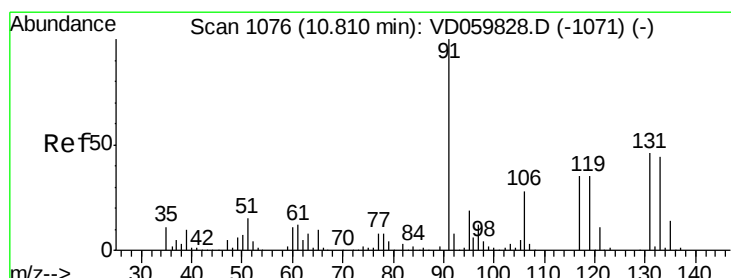
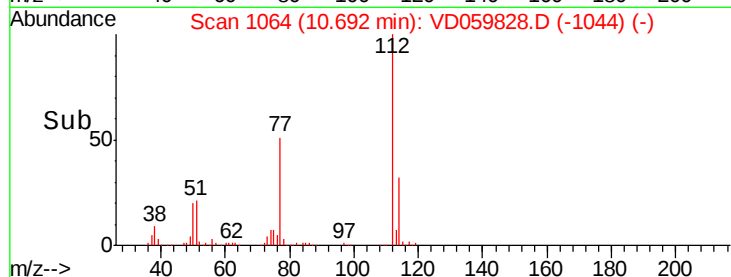
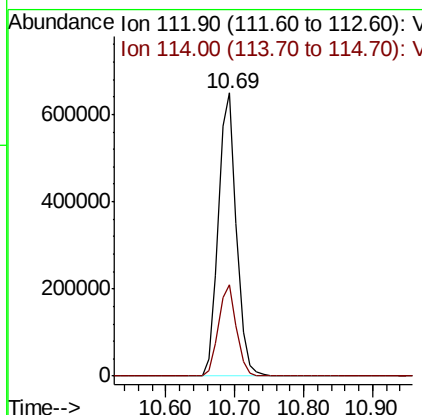
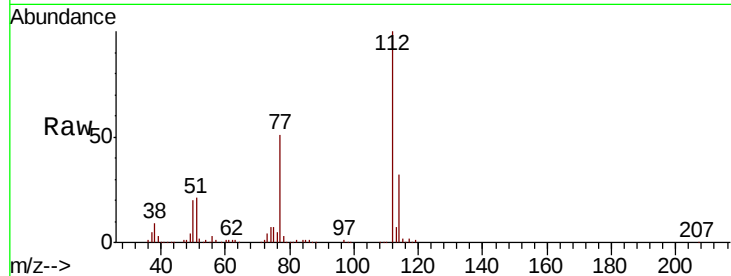
#65
Chlorobenzene
Concen: 52.91 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1179263
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

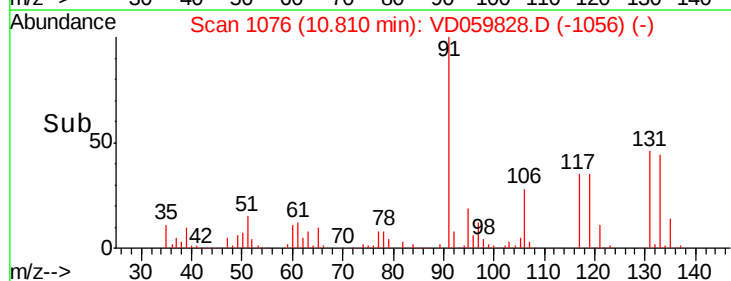
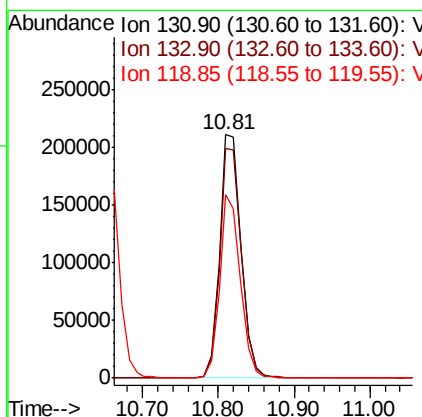
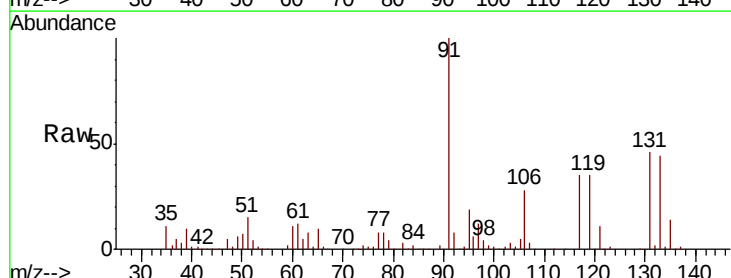
Manual Integrations
APPROVED

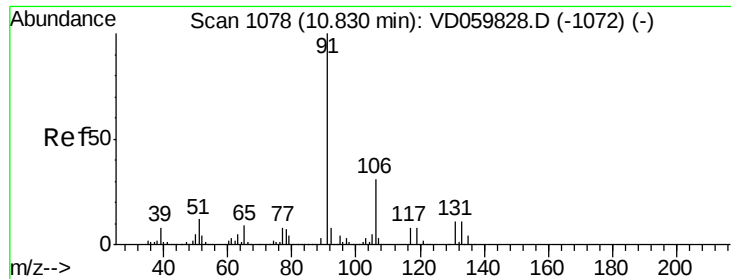
apatel
8/21/2018 10:23:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.00 ug/l
RT: 10.81 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion:131 Resp: 415614
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.4
119 75.1 37.5 112.7





#67

Ethyl Benzene

Concen: 52.26 ug/l

RT: 10.83 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1910106

Ion Ratio Lower Upper

91 100

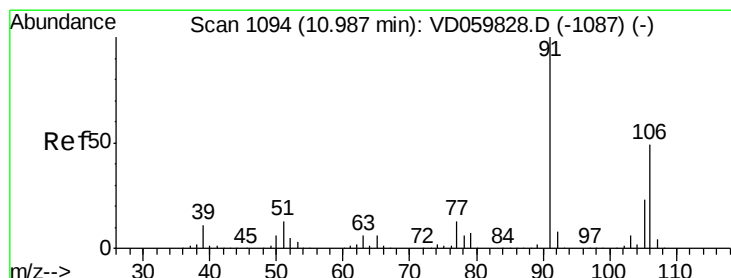
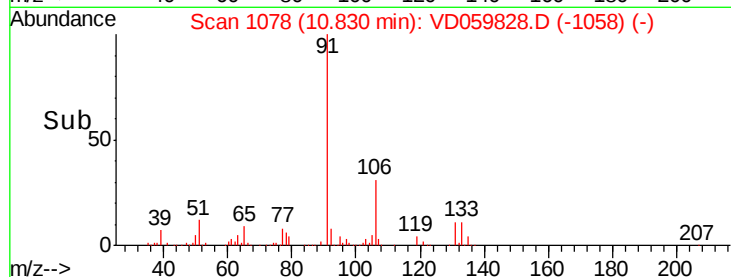
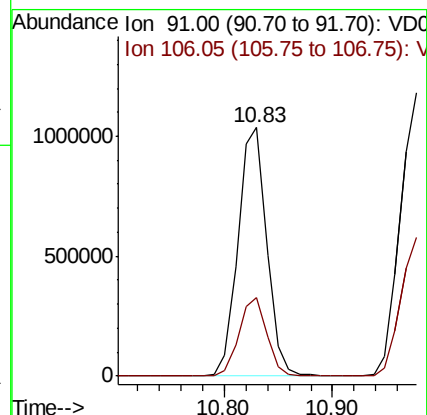
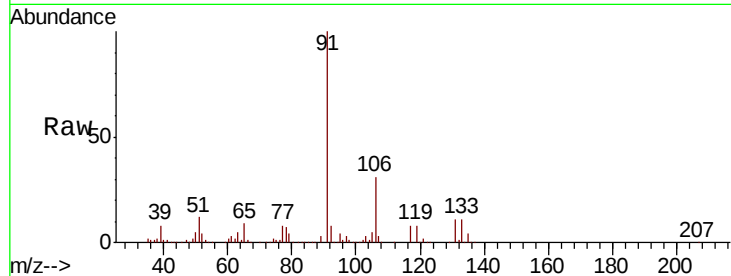
106 31.4 25.1 37.7

Manual Integrations

APPROVED

apatel

8/21/2018 10:23:32 AM



#68

m/p-Xylenes

Concen: 103.34 ug/l

RT: 10.99 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD059828.D

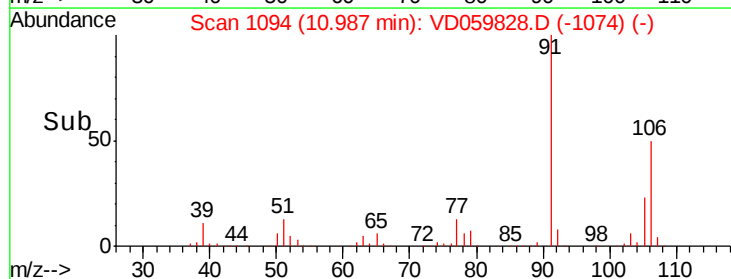
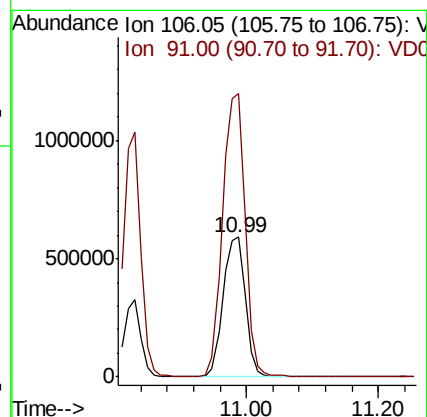
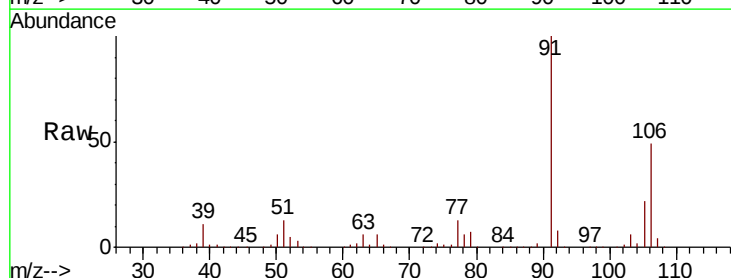
Acq: 20 Aug 2018 13:27

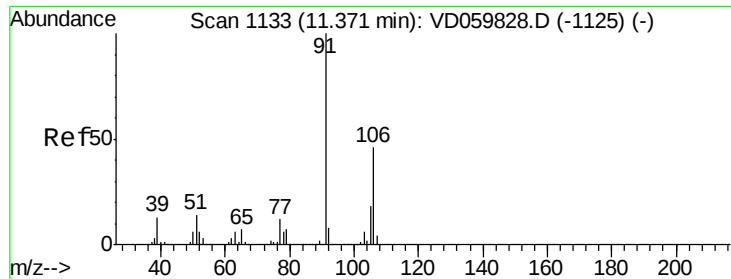
Tgt Ion:106 Resp: 1383716

Ion Ratio Lower Upper

106 100

91 202.3 161.8 242.8





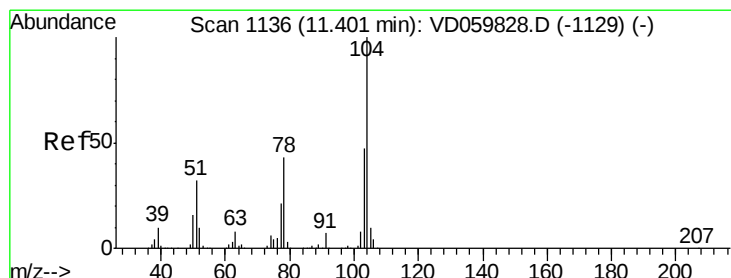
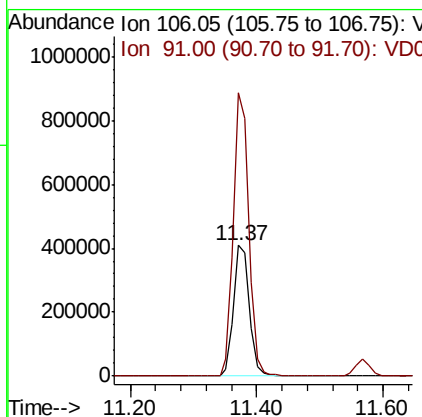
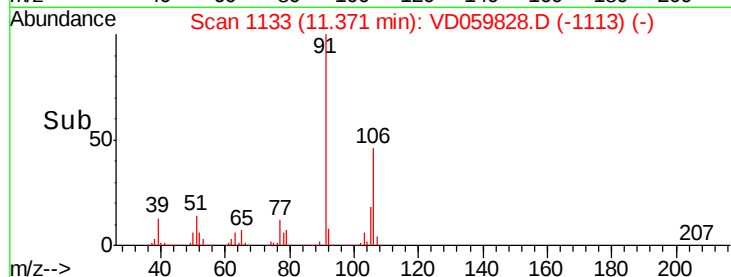
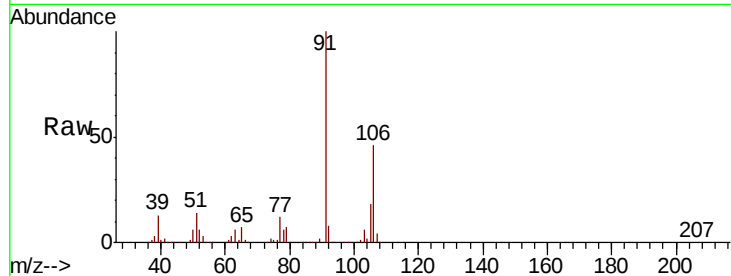
#69
o-Xylene
Concen: 53.48 ug/l
RT: 11.37 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	699638		
91	216.9	108.5	325.3	

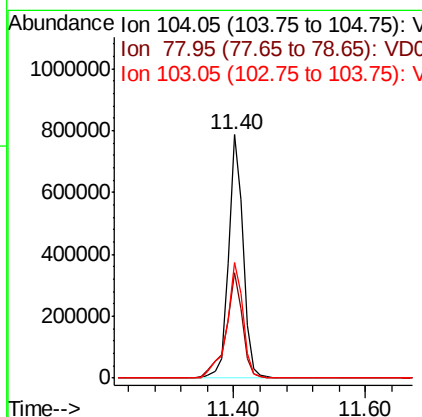
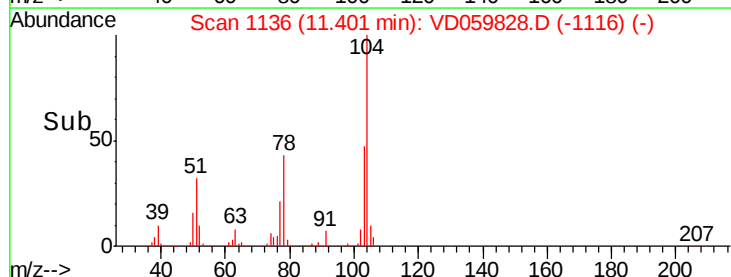
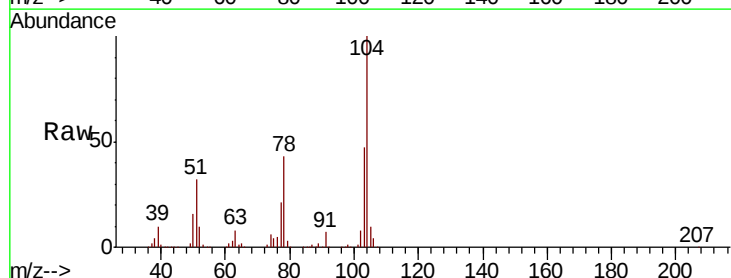
Manual Integrations
APPROVED

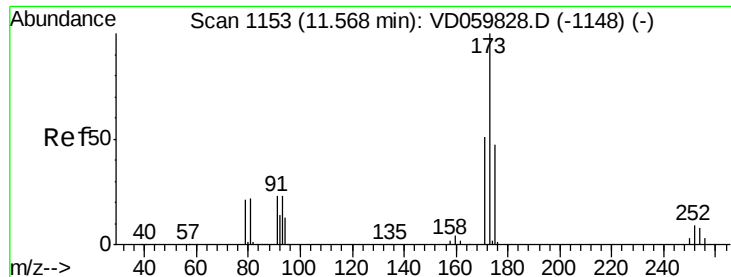
apatel
8/21/2018 10:23:32 AM



#70
Styrene
Concen: 53.61 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1215535		
78	43.3	34.6	52.0	
103	47.2	37.8	56.6	





#71

Bromoform

Concen: 54.17 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 364389

Ion Ratio Lower Upper

173 100

175 47.4 23.7 71.1

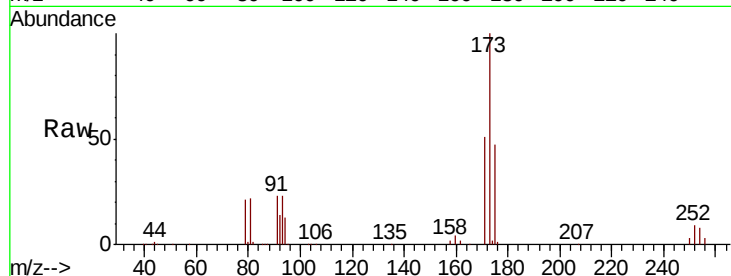
254 8.4 6.7 10.1

Manual Integrations

APPROVED

apatel

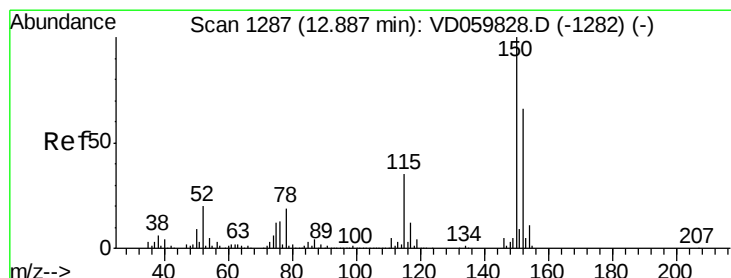
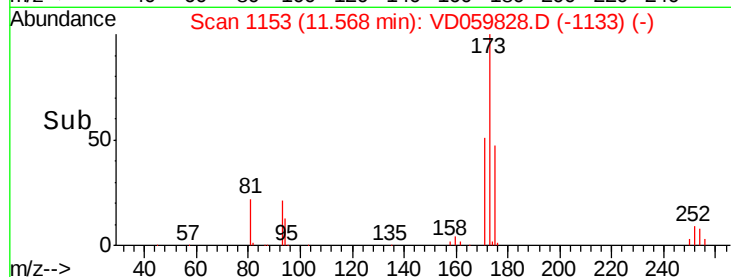
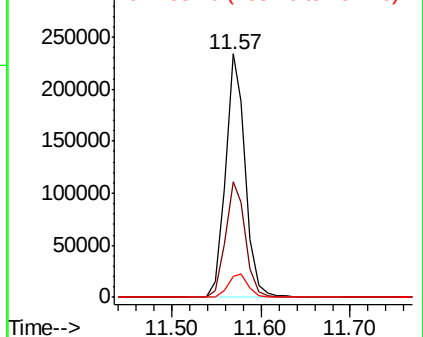
8/21/2018 10:23:32 AM



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

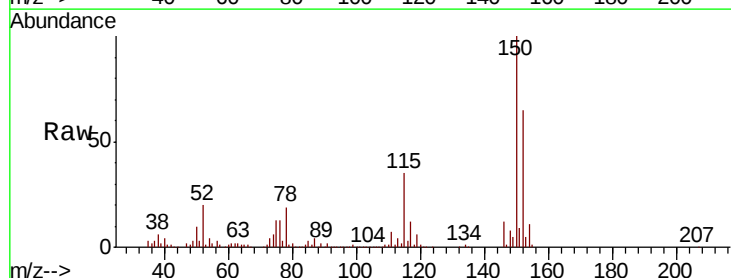
Tgt Ion:152 Resp: 520487

Ion Ratio Lower Upper

152 100

115 53.7 26.9 80.6

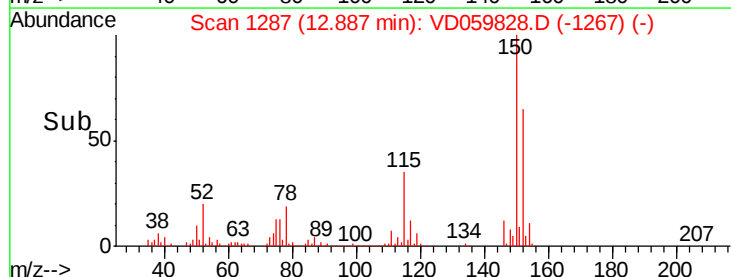
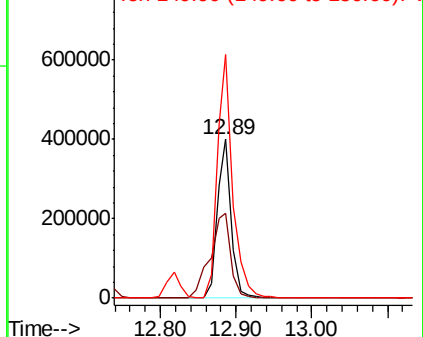
150 153.4 0.0 306.8

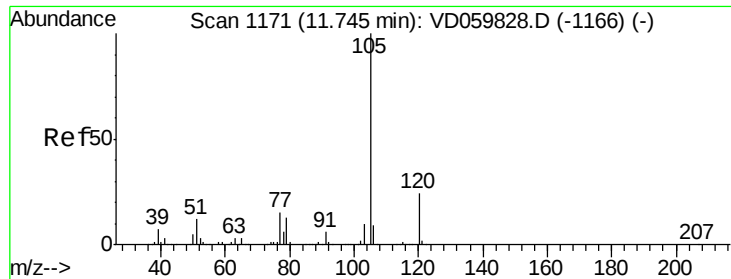


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





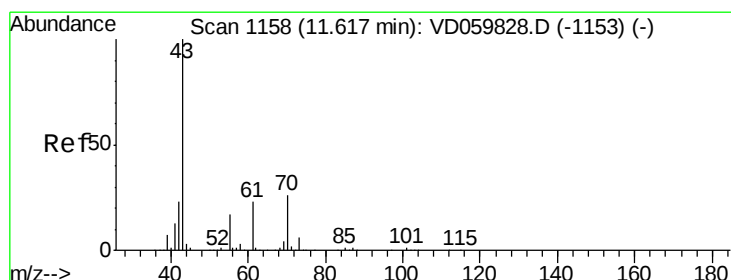
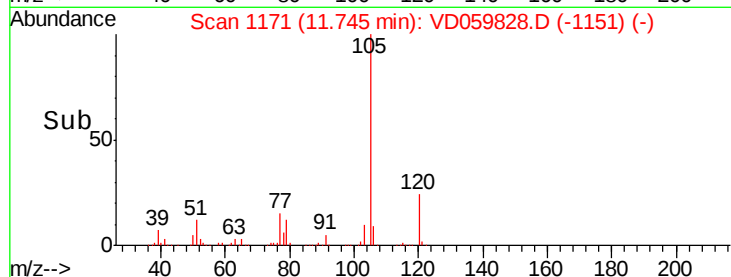
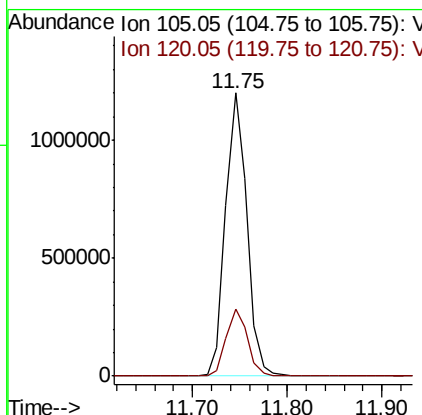
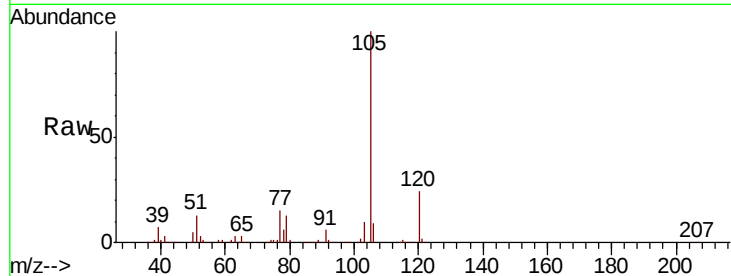
#73
Isopropylbenzene
Concen: 52.89 ug/l
RT: 11.75 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 105 Resp: 1877808
Ion Ratio Lower Upper
105 100
120 23.7 11.9 35.5

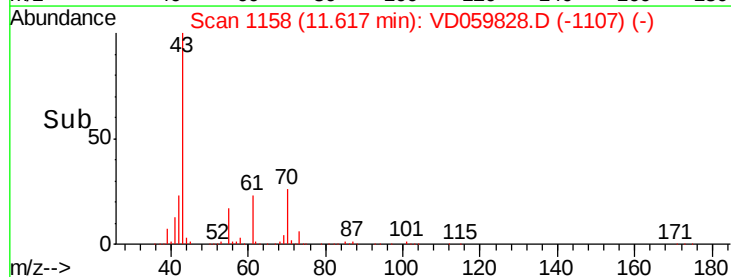
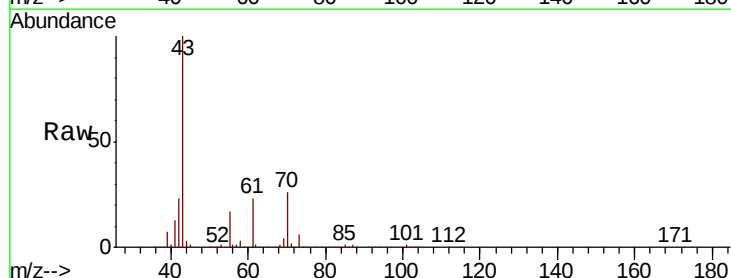
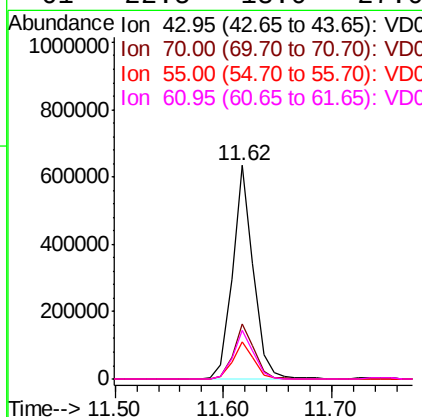
Manual Integrations
APPROVED

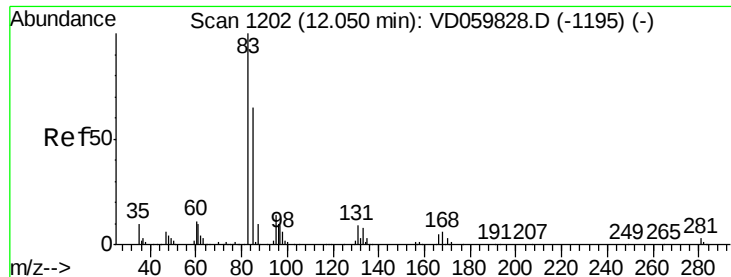
apatel
8/21/2018 10:23:32 AM



#74
N-ethyl acetate
Concen: 53.40 ug/l
RT: 11.62 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion: 43 Resp: 838266
Ion Ratio Lower Upper
43 100
70 25.6 20.5 30.7
55 17.1 13.7 20.5
61 22.5 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.45 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

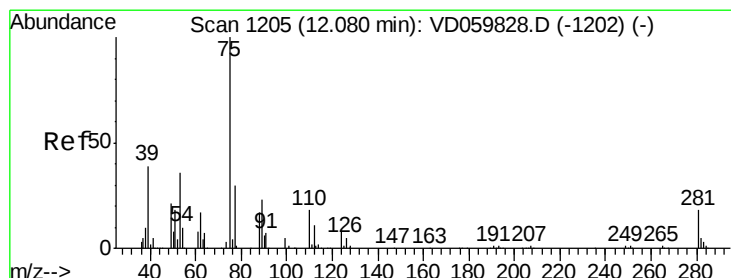
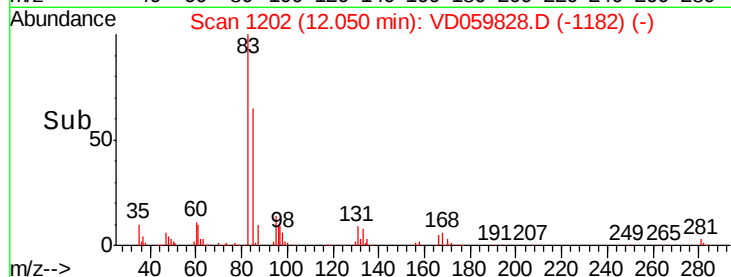
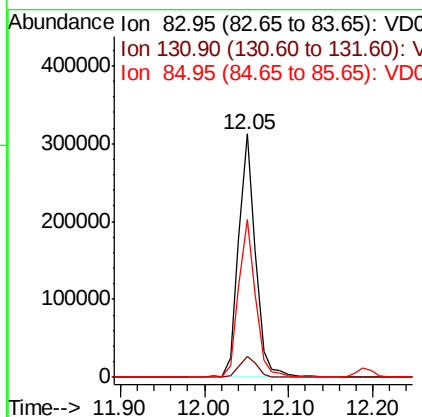
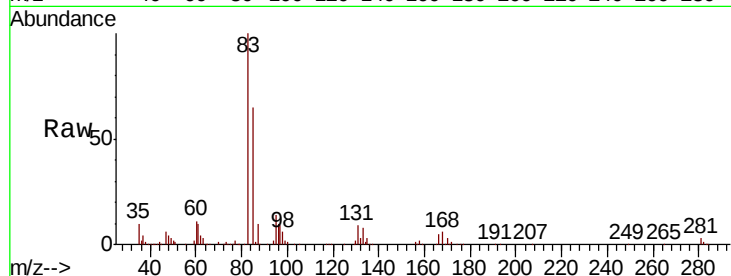
ClientSampleId :

VSTDICCC050

Tot Ion	83	Resp	436281
Ion Ratio	100	Lower	Upper
83	100		
131	8.7	4.3	13.1
85	65.0	32.5	97.5

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



#76

1,2,3-Trichloropropane

Concen: 53.07 ug/l

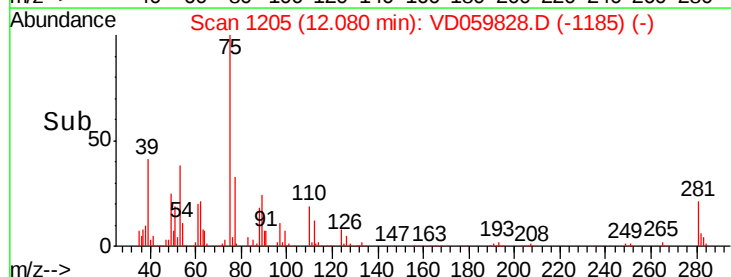
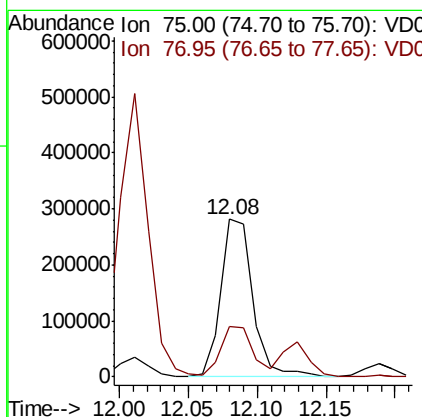
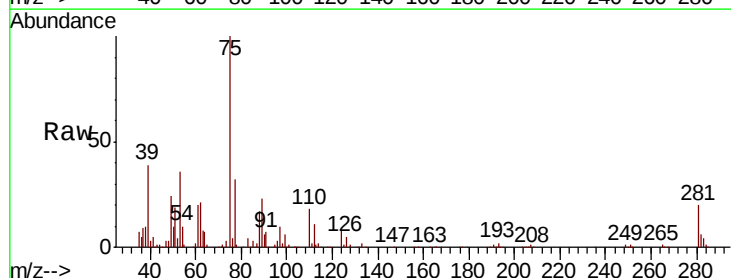
RT: 12.08 min Scan# 1205

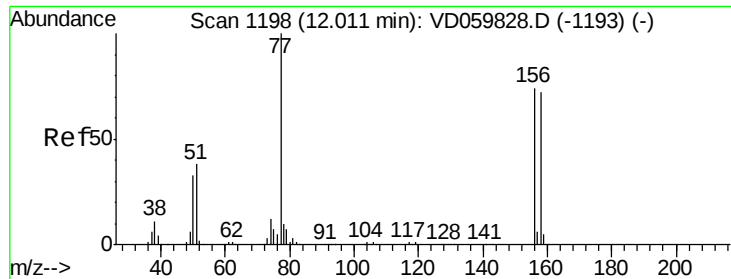
Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Tgt Ion	75	Resp	451371
Ion Ratio	100	Lower	Upper
75	100		
77	31.9	16.0	47.9





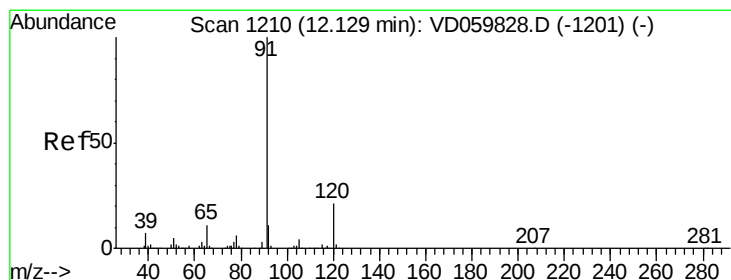
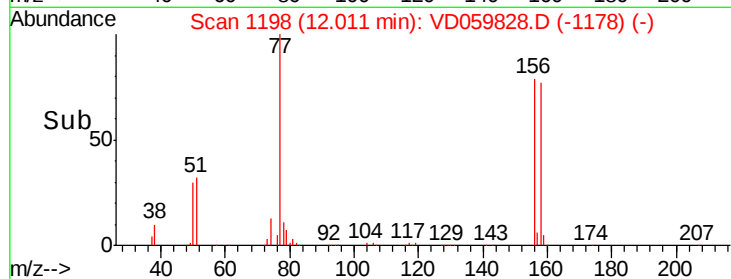
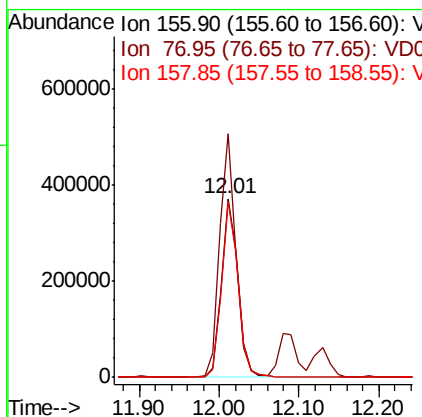
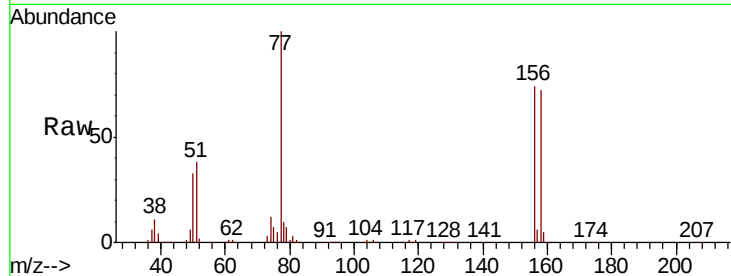
#77
Bromobenzene
Concen: 55.36 ug/l
RT: 12.01 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	136.0	68.0	204.0		
158	97.9	48.9	146.8		

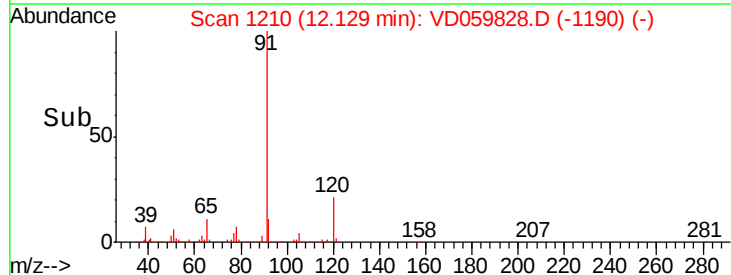
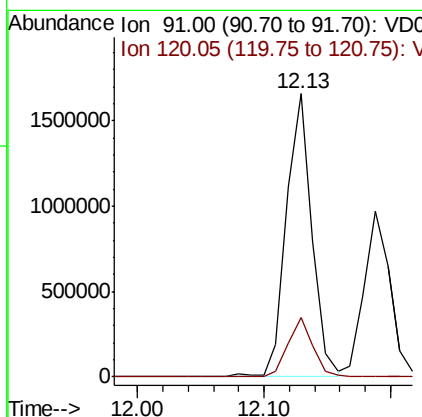
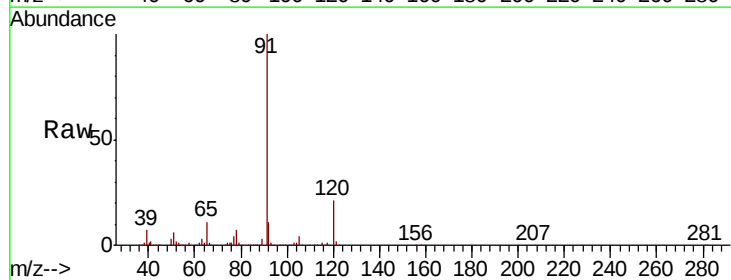
Manual Integrations
APPROVED

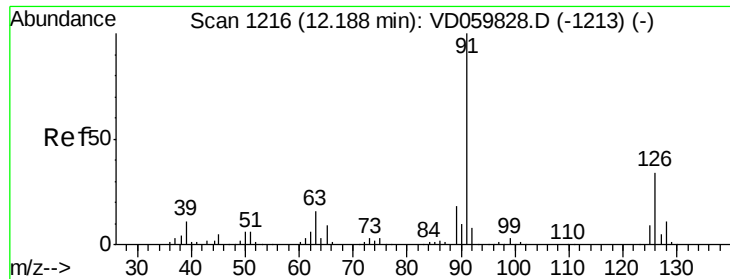
apatel
8/21/2018 10:23:32 AM



#78
n-propylbenzene
Concen: 52.71 ug/l
RT: 12.13 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.0	10.5	31.5		





#79

2-Chlorotoluene

Concen: 53.85 ug/l

RT: 12.19 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD059828.D

Acq: 20 Aug 2018 13:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1371658

Ion Ratio Lower Upper

91 100

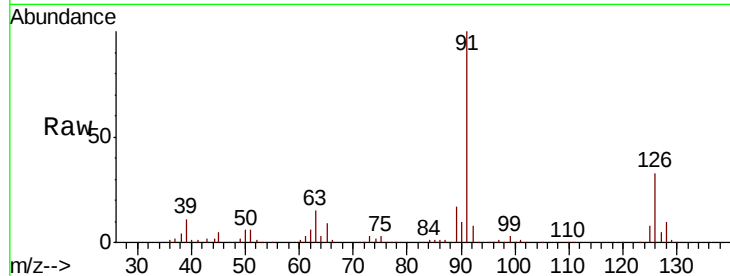
126 33.2 16.6 49.8

Manual Integrations

APPROVED

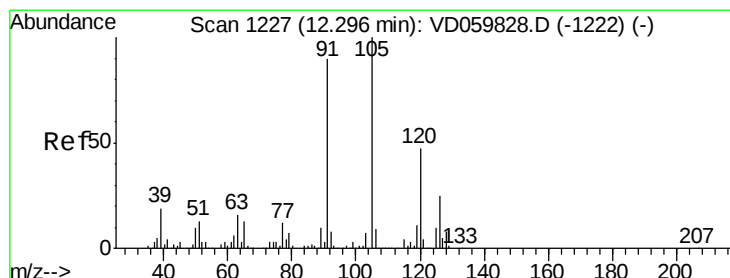
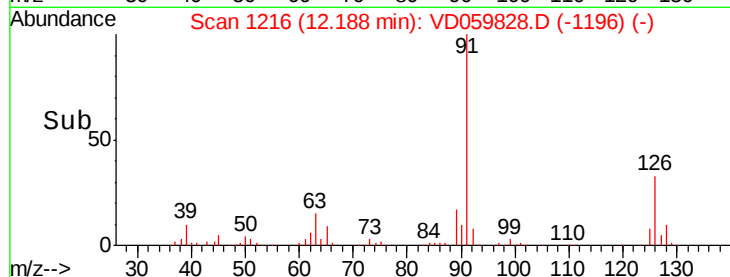
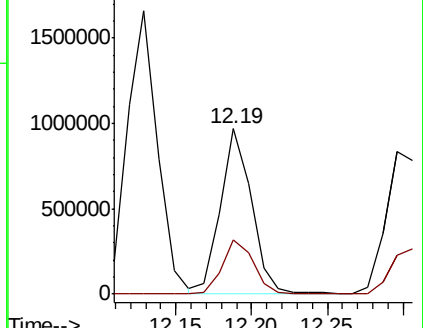
apatel

8/21/2018 10:23:32 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.31 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD059828.D

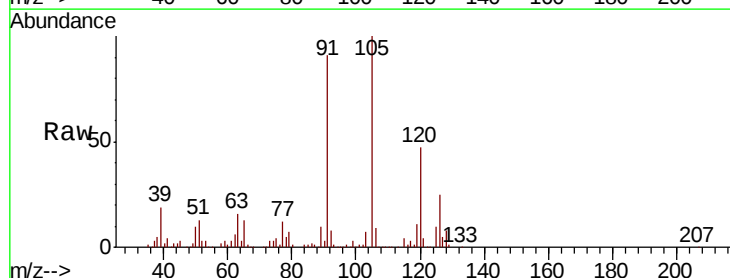
Acq: 20 Aug 2018 13:27

Tgt Ion:105 Resp: 1392863

Ion Ratio Lower Upper

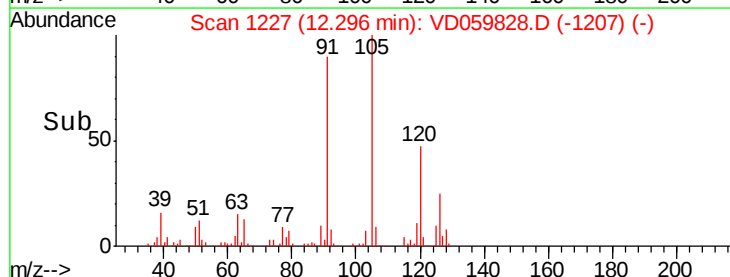
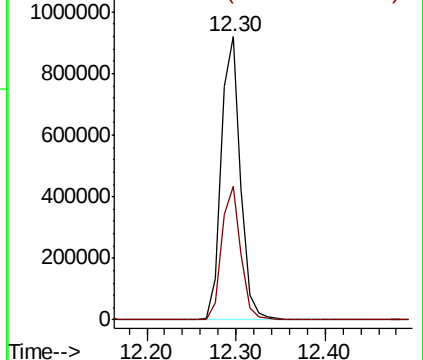
105 100

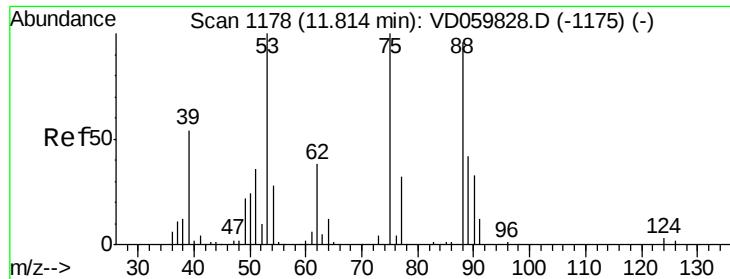
120 47.1 23.5 70.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





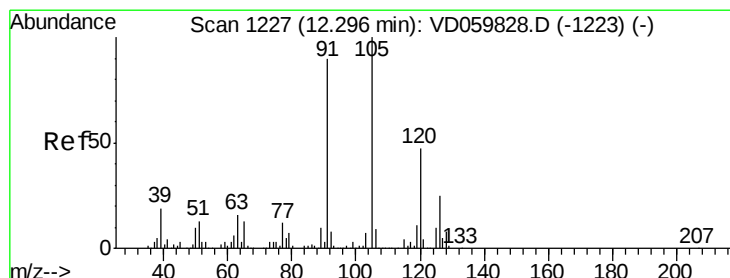
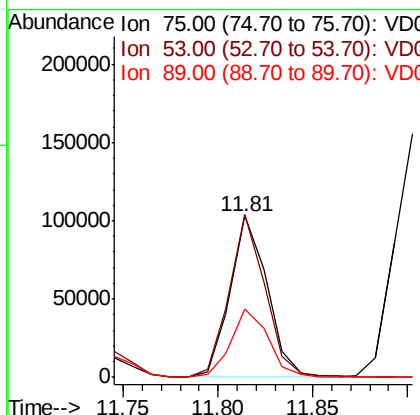
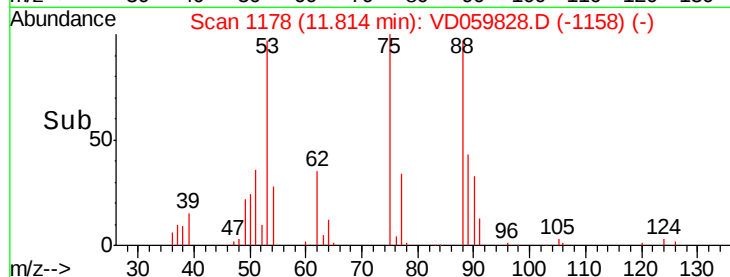
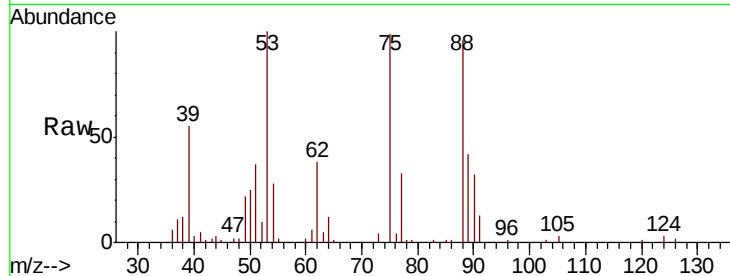
#81
trans-1,4-Dichloro-2-butene
Concen: 53.10 ug/l
RT: 11.81 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.9	80.7	121.1
89	42.4	33.9	50.9

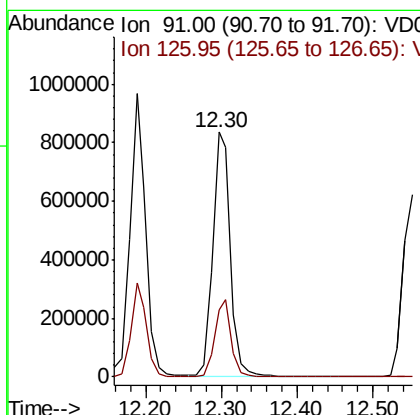
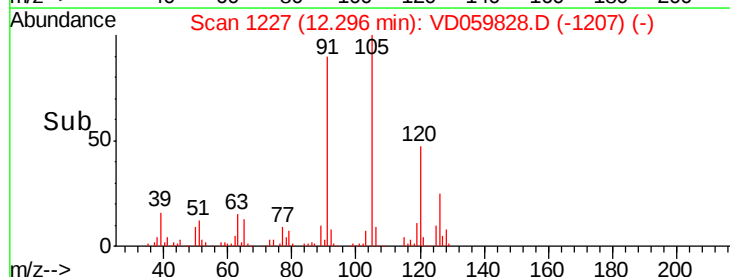
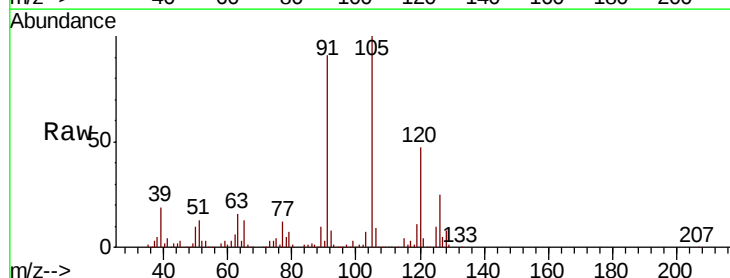
Manual Integrations
APPROVED

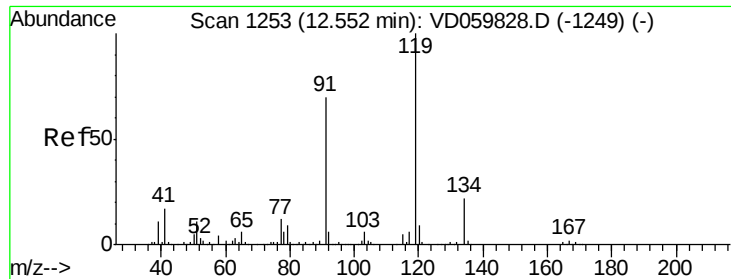
apatel
8/21/2018 10:23:32 AM



#82
4-Chlorotoluene
Concen: 51.45 ug/l
RT: 12.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.7	41.0





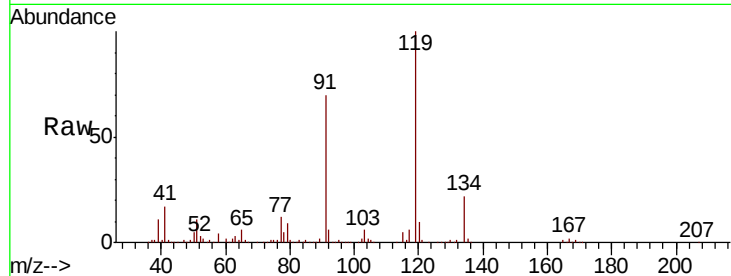
#83
 tert-Butylbenzene
 Concen: 49.94 ug/l m
 RT: 12.55 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

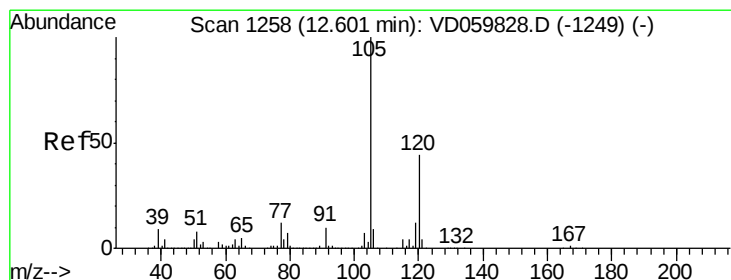
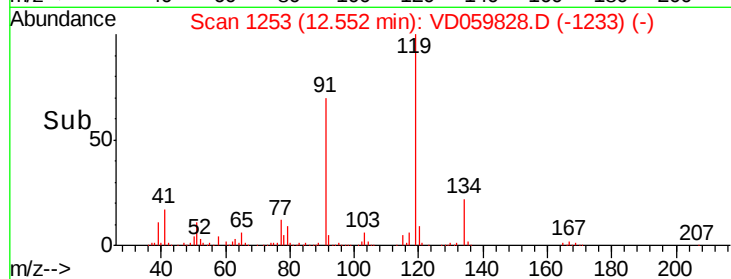
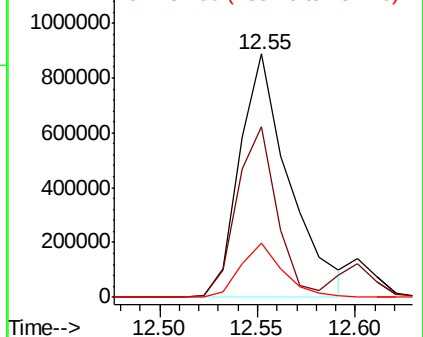
Tot Ion	Ratio	Lower	Upper
119	100		
91	70.2	35.1	105.3
134	22.0	11.0	33.0

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:32 AM

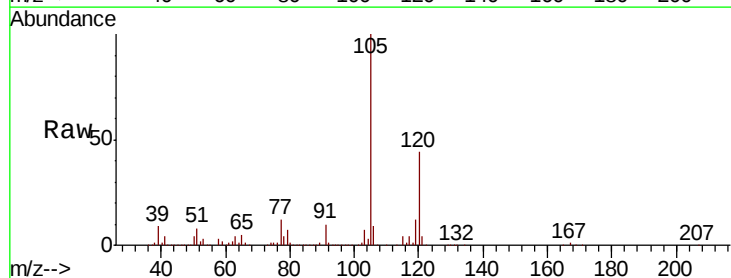


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

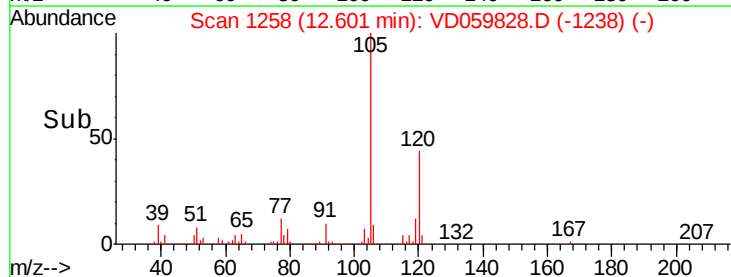
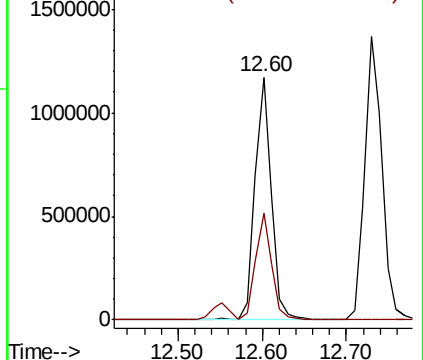


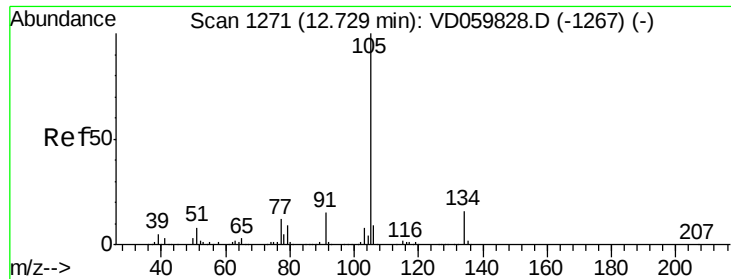
#84
 1,2,4-Trimethylbenzene
 Concen: 54.46 ug/l
 RT: 12.60 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





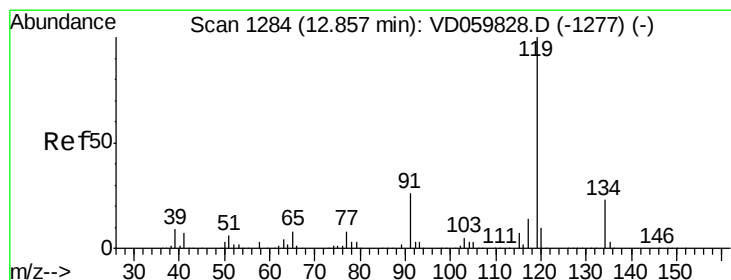
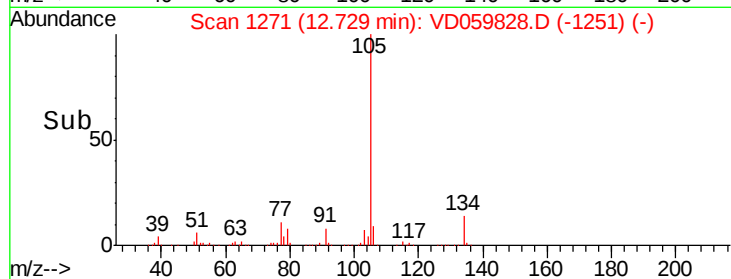
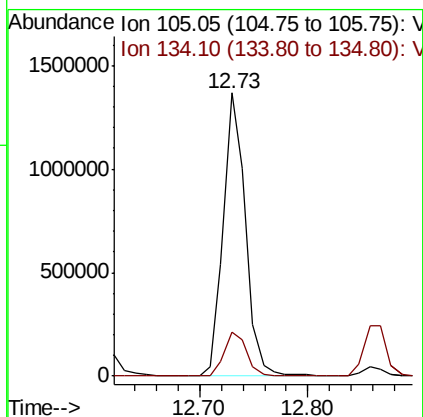
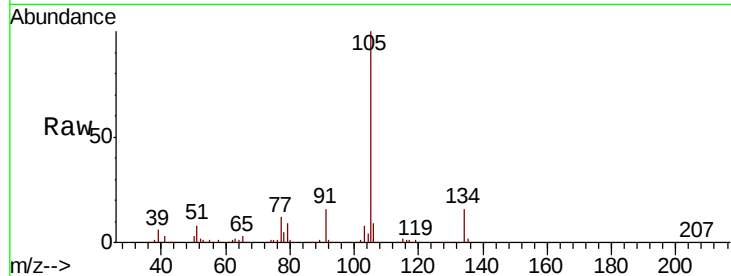
#85
 sec-Butylbenzene
 Concen: 51.60 ug/l
 RT: 12.73 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tot Ion:105 Resp: 1937450
 Ion Ratio Lower Upper
 105 100
 134 15.7 7.8 23.5

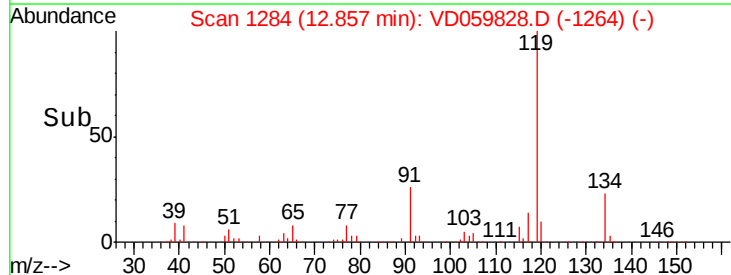
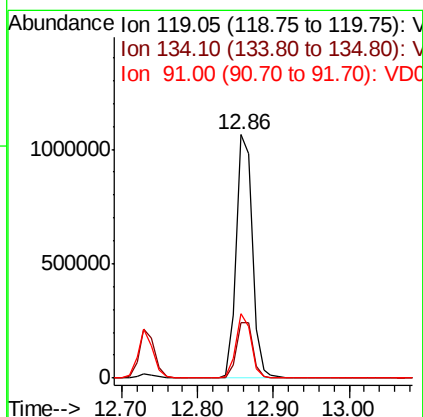
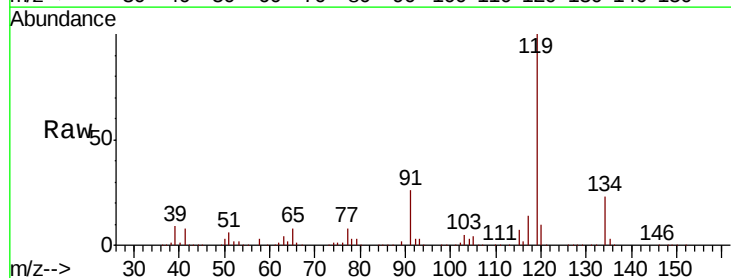
Manual Integrations
 APPROVED

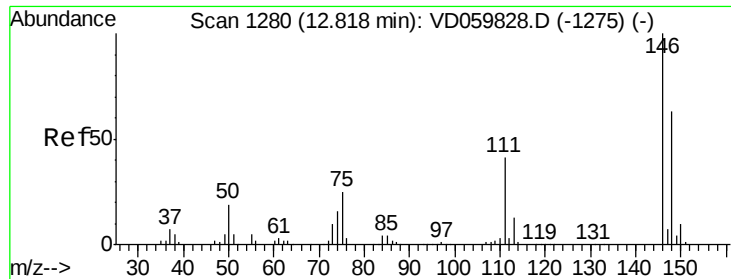
apatel
 8/21/2018 10:23:32 AM



#86
 p-Isopropyltoluene
 Concen: 52.36 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion:119 Resp: 1543070
 Ion Ratio Lower Upper
 119 100
 134 23.0 11.5 34.5
 91 26.4 13.2 39.6





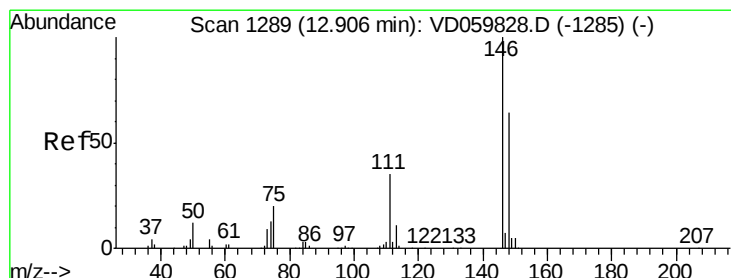
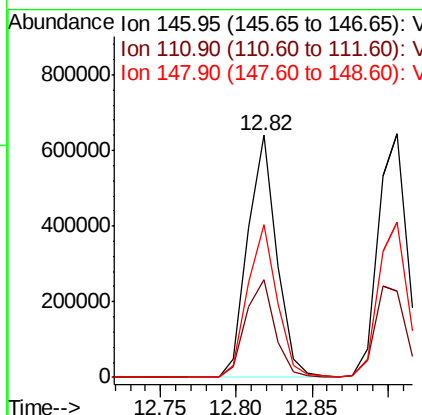
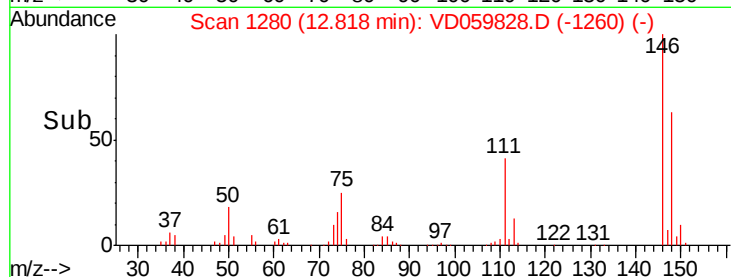
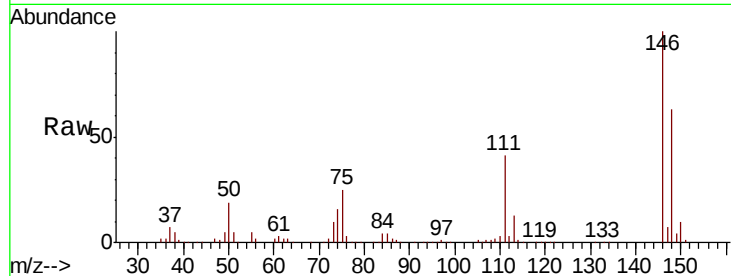
#87
 1,3-Dichlorobenzene
 Concen: 51.31 ug/l
 RT: 12.82 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.9
148	63.1	31.6	94.7

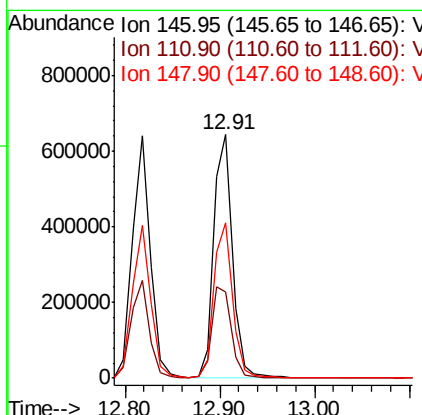
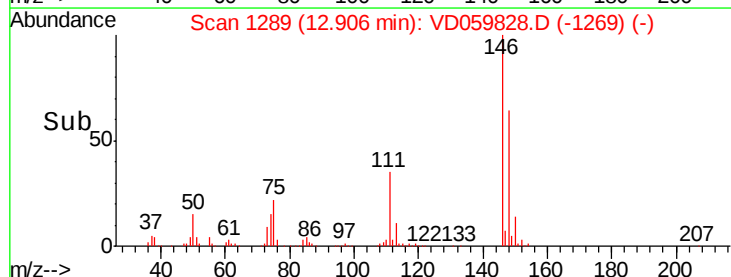
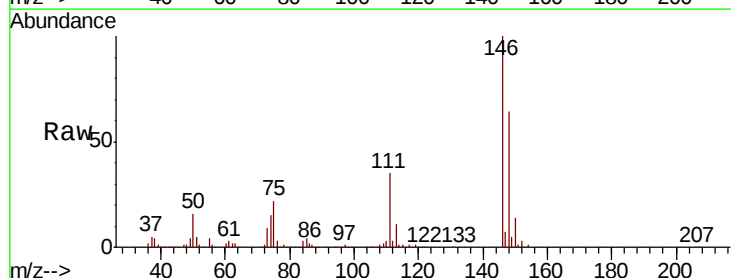
Manual Integrations
 APPROVED

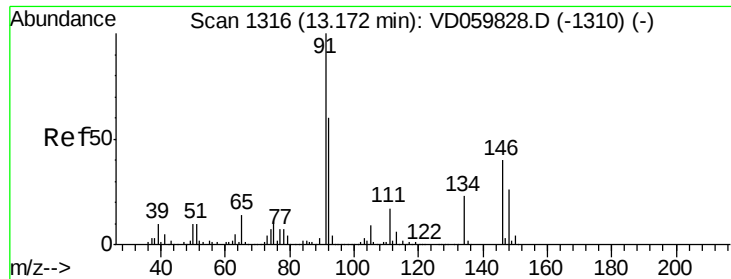
apatel
 8/21/2018 10:23:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.84 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.8	53.3
148	63.9	31.9	95.9





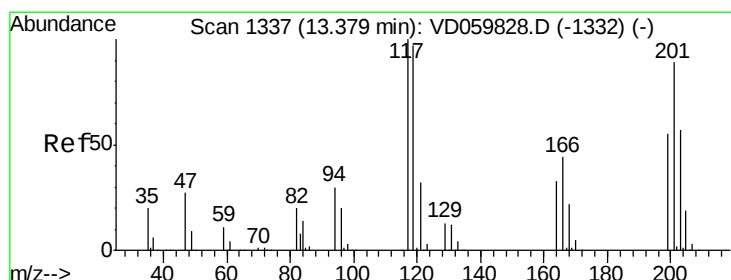
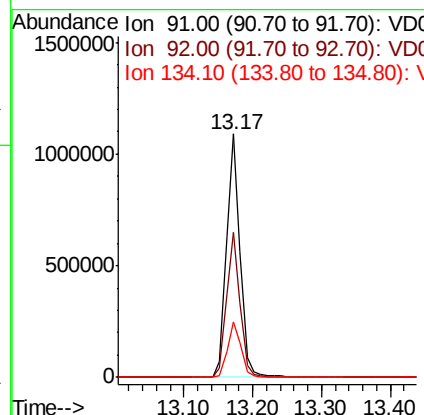
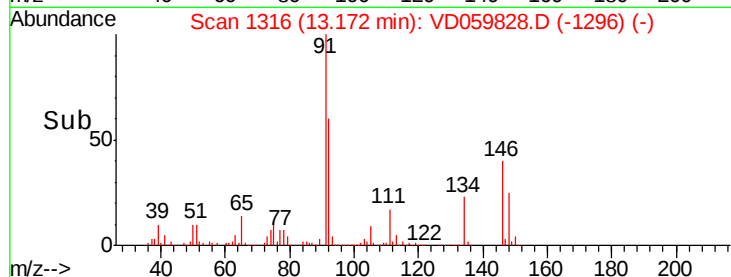
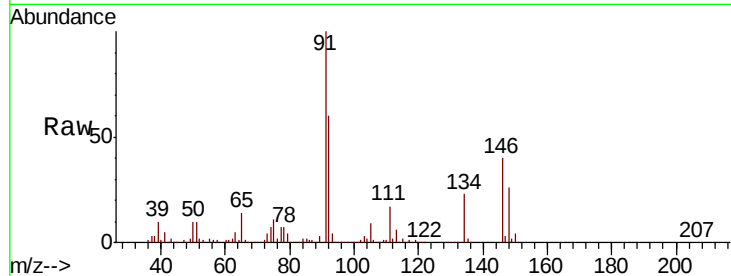
#89
n-Butylbenzene
Concen: 49.96 ug/l
RT: 13.17 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1477052
Ion Ratio Lower Upper
91 100
92 59.7 29.8 89.5
134 22.9 11.5 34.4

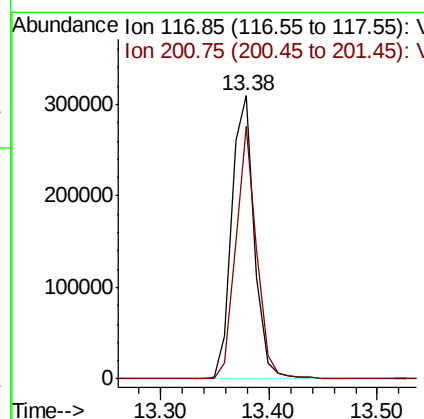
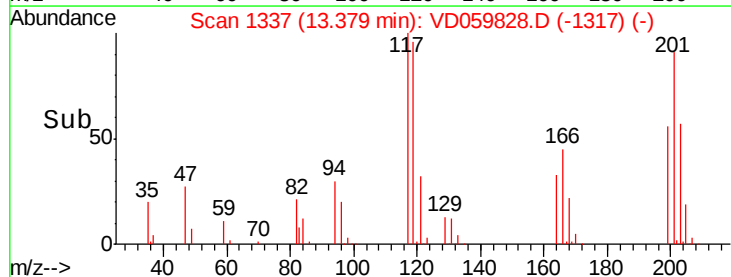
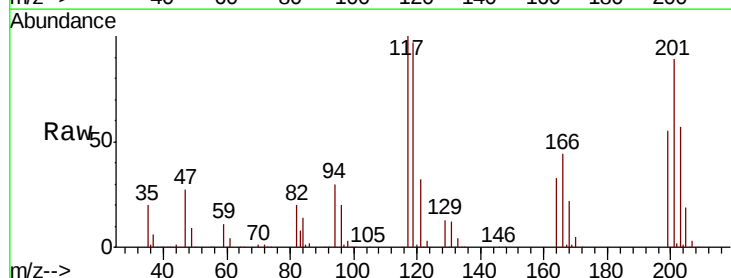
Manual Integrations
APPROVED

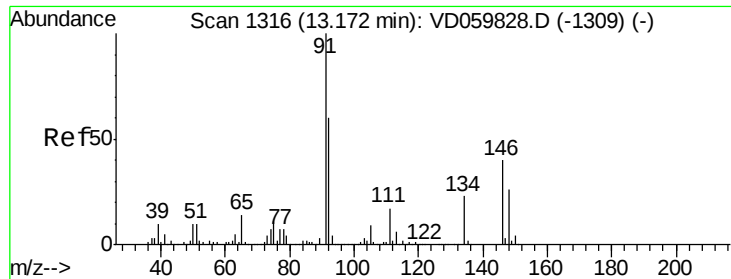
apatel
8/21/2018 10:23:32 AM



#90
Hexachloroethane
Concen: 54.06 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion: 117 Resp: 450087
Ion Ratio Lower Upper
117 100
201 89.3 44.6 134.0





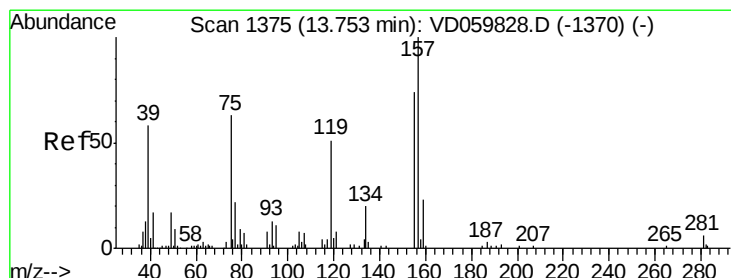
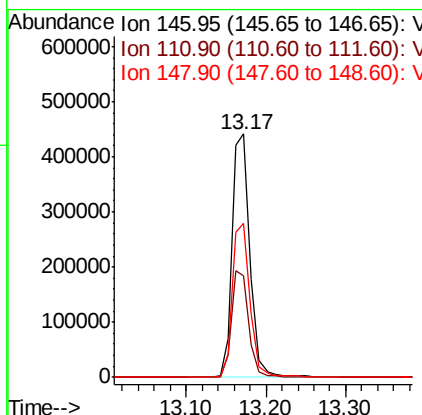
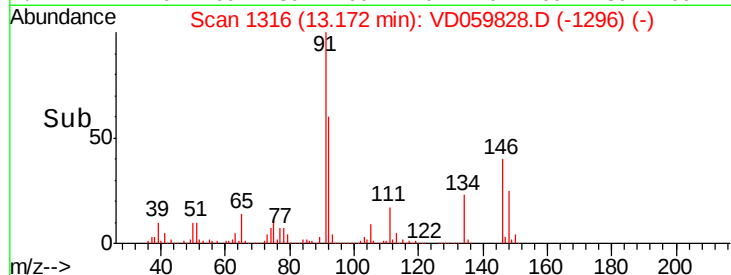
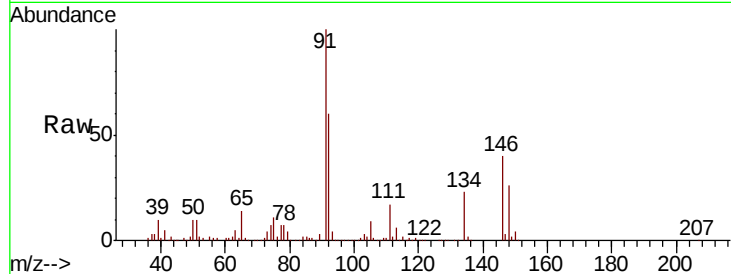
#91
 1,2-Dichlorobenzene
 Concen: 50.96 ug/l
 RT: 13.17 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	689611		
111	41.9	20.9	62.8	
148	63.2	31.6	94.8	

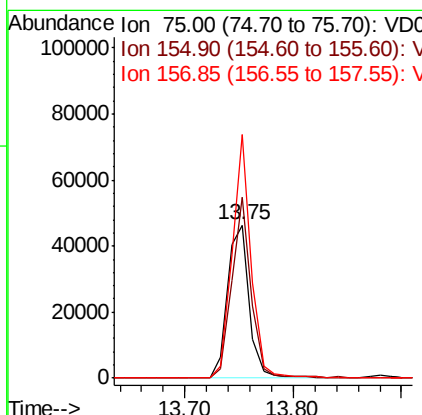
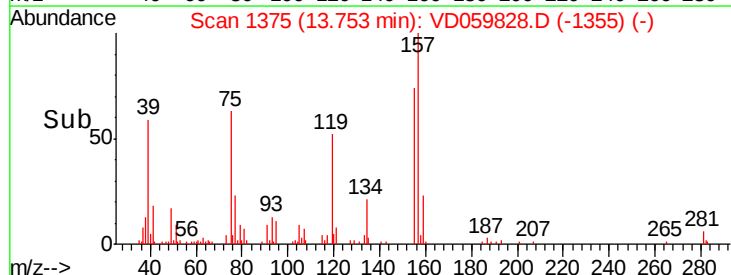
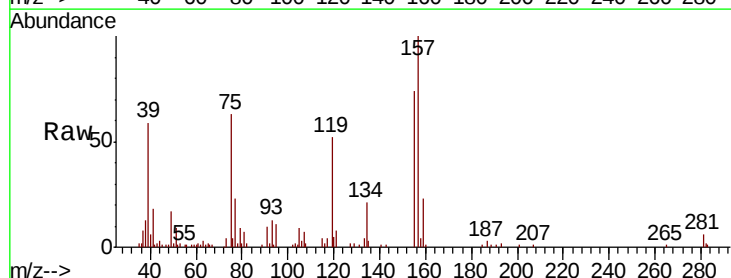
Manual Integrations
 APPROVED

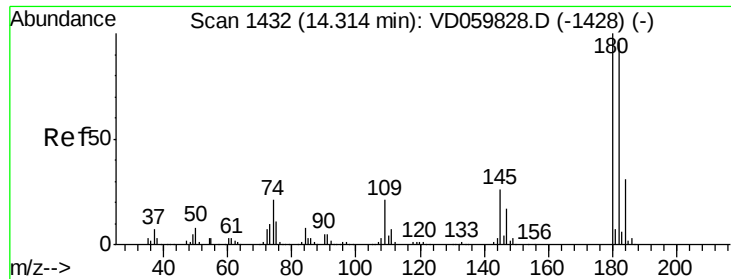
apatel
 8/21/2018 10:23:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.66 ug/l
 RT: 13.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64890		
155	118.2	59.1	177.3	
157	159.3	79.7	238.9	





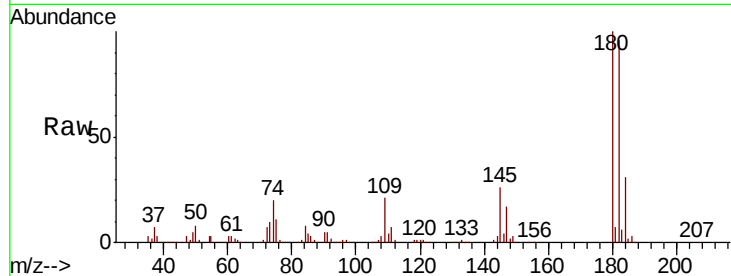
#93
 1,2,4-Trichlorobenzene
 Concen: 53.91 ug/l
 RT: 14.31 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

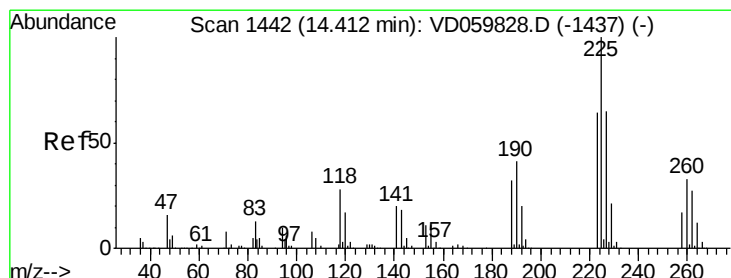
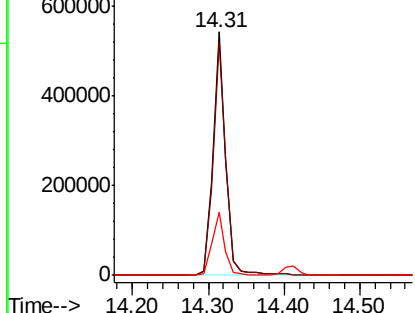
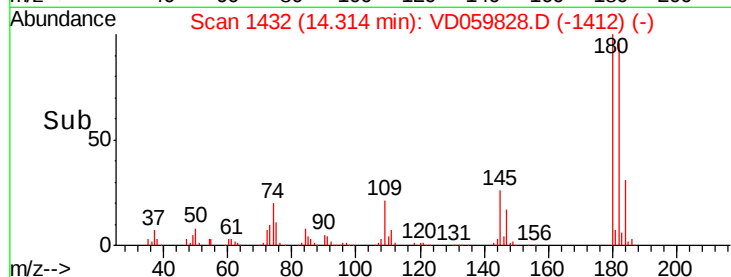
Tot Ion	Ratio	Resp	Lower	Upper
180	100	651038		
182	96.0	48.0	144.0	
145	26.1	13.1	39.1	

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:23:32 AM

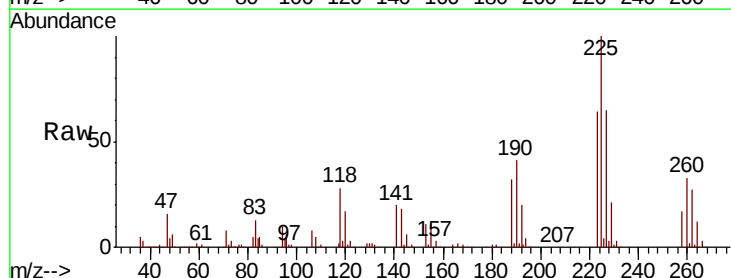


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

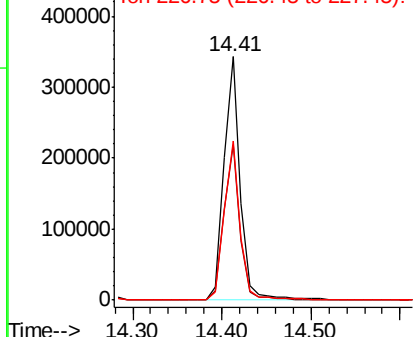
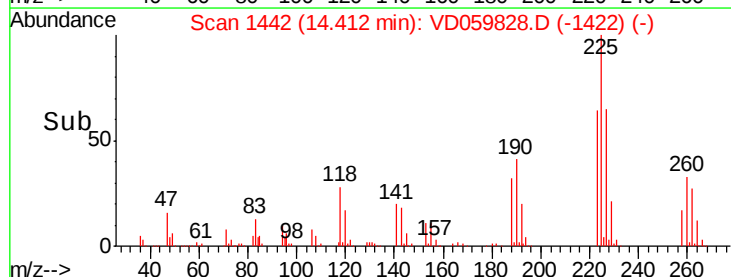


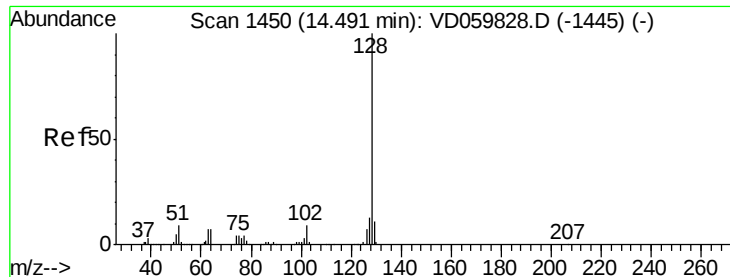
#94
 Hexachlorobutadiene
 Concen: 55.11 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD059828.D
 Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	442218		
223	63.6	31.8	95.4	
227	65.5	32.8	98.3	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





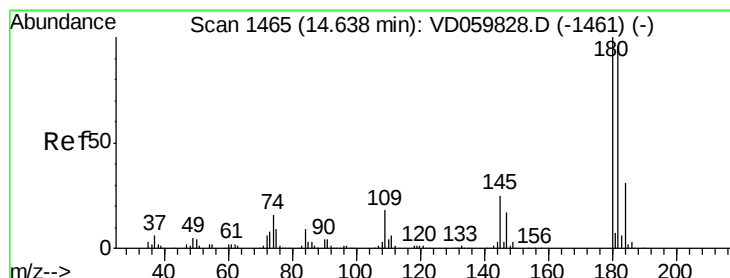
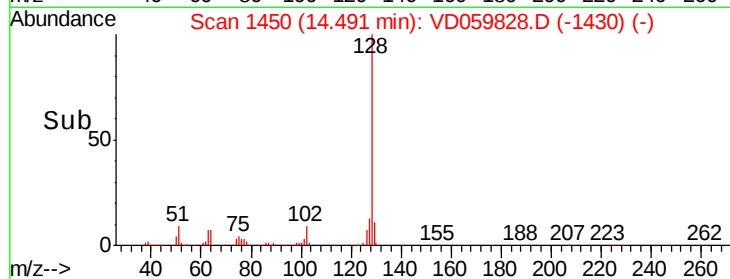
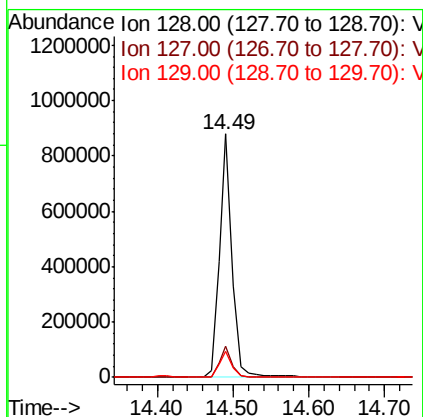
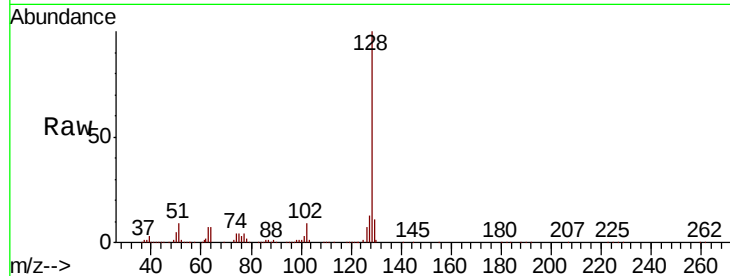
#95
Naphthalene
Concen: 53.72 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
8/21/2018 10:23:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.74 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059828.D
Acq: 20 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.4
145	25.3	12.7	38.0

