

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060373.D
 Acq On : 14 Nov 2018 12:20
 Operator : JC/SY
 Sample : VD1114SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Manual Integrations
 APPROVED

apatel
 11/15/2018 1:02:26 PM

Quant Time: Nov 14 14:41:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1594732	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	2200401	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1797118	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	933105	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	566156	49.58	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	6.30	113	826984	50.40	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	9.44	98	2375669	49.47	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.41	95	844848	48.55	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	97.10%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.59	85	318697	23.00	ug/l	96
3) Chloromethane	1.75	50	305566	20.23	ug/l	100
4) Vinyl Chloride	1.85	62	260216	21.09	ug/l	99
5) Bromomethane	2.15	94	44077	15.06	ug/l	98
6) Chloroethane	2.26	64	68342	16.70	ug/l	99
7) Trichlorofluoromethane	2.50	101	293471	20.18	ug/l	95
8) Diethyl Ether	2.82	74	53161	20.19	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.08	101	200396	20.95	ug/l	97
10) Methyl Iodide	3.23	142	231691	18.65	ug/l	99
11) Tert butyl alcohol	3.96	59	48658	103.77	ug/l	95
12) 1,1-Dichloroethene	3.06	96	163894	21.06	ug/l	93
13) Acrolein	2.97	56	48470	87.48	ug/l	94
14) Allyl chloride	3.52	41	317045	21.29	ug/l	97
15) Acrylonitrile	4.07	53	289984	106.05	ug/l	99
16) Acetone	3.15	43	214843	108.47	ug/l	97
17) Carbon Disulfide	3.30	76	498471	19.85	ug/l	97
18) Methyl Acetate	3.54	43	91004	21.55	ug/l	100
19) Methyl tert-butyl Ether	4.11	73	494232	21.21	ug/l	97
20) Methylene Chloride	3.70	84	473277	26.94	ug/l	97
21) trans-1,2-Dichloroethene	4.09	96	364738	21.11	ug/l	97
22) Diisopropyl ether	4.83	45	1194610	21.48	ug/l	95
23) Vinyl Acetate	4.78	43	3025034	109.29	ug/l	98
24) 1,1-Dichloroethane	4.73	63	609735	21.38	ug/l	100
25) 2-Butanone	5.60	43	450847	109.51	ug/l	100
26) 2,2-Dichloropropane	5.57	77	479068	21.60	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	383352	21.30	ug/l	94
28) Bromochloromethane	5.91	49	275274	21.87	ug/l	94
29) Tetrahydrofuran	5.94	42	232825	107.26	ug/l	98
30) Chloroform	6.08	83	619699	21.73	ug/l	99
31) Cyclohexane	6.35	56	552712	20.27	ug/l	95
32) 1,1,1-Trichloroethane	6.27	97	499378	20.79	ug/l	99
36) 1,1-Dichloropropene	6.51	75	476069	21.90	ug/l	98
37) Ethyl Acetate	5.68	43	208030	20.80	ug/l	98
38) Carbon Tetrachloride	6.48	117	425048	21.08	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060373.D
 Acq On : 14 Nov 2018 12:20
 Operator : JC/SY
 Sample : VD1114SBSD01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1114SBSD01

Manual Integrations
 APPROVED

apatel
 11/15/2018 1:02:26 PM

Quant Time: Nov 14 14:41:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	531701	21.27	ug/l	99
40) Benzene	6.77	78	1224760	22.07	ug/l	99
41) Methacrylonitrile	5.94	41	248205m	21.68	ug/l	
42) 1,2-Dichloroethane	6.87	62	301694	20.77	ug/l	96
43) Isopropyl Acetate	8.33	43	258683	20.59	ug/l #	97
44) Trichloroethene	7.72	130	368827	21.93	ug/l	99
45) 1,2-Dichloropropane	8.08	63	309116	22.09	ug/l	97
46) Dibromomethane	8.20	93	173157	21.13	ug/l	94
47) Bromodichloromethane	8.47	83	419900	21.74	ug/l	99
48) Methyl methacrylate	8.23	41	163108	21.37	ug/l	97
49) 1,4-Dioxane	8.21	88	30100	455.79	ug/l #	88
51) 4-Methyl-2-Pentanone	9.32	43	867977	106.13	ug/l	99
52) Toluene	9.53	92	778116	21.95	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	356398	21.84	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	450696	21.53	ug/l	93
55) 1,1,2-Trichloroethane	10.16	97	218164	21.23	ug/l	97
56) Ethyl methacrylate	10.01	69	200219	21.20	ug/l	100
57) 1,3-Dichloropropane	10.36	76	335061	21.40	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.90	63	639380	111.94	ug/l	96
59) 2-Hexanone	10.47	43	658360	112.94	ug/l	99
60) Dibromochloromethane	10.62	129	266051	21.30	ug/l	98
61) 1,2-Dibromoethane	10.74	107	219445	21.32	ug/l	99
64) Tetrachloroethene	10.23	164	345918	21.56	ug/l	99
65) Chlorobenzene	11.30	112	838114	21.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	268351	21.06	ug/l	93
67) Ethyl Benzene	11.42	91	1393368	20.92	ug/l	98
68) m/p-Xylenes	11.54	106	1078148	43.88	ug/l	96
69) o-Xylene	11.92	106	500272	21.07	ug/l	100
70) Styrene	11.94	104	802251	20.91	ug/l	96
71) Bromoform	12.11	173	175433	20.49	ug/l	99
73) Isopropylbenzene	12.26	105	1429676	21.03	ug/l	98
74) N-amyl acetate	12.13	43	357642	20.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	229654	20.66	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	228494	20.47	ug/l	99
77) Bromobenzene	12.53	156	379239	21.00	ug/l	94
78) n-propylbenzene	12.63	91	1756909	20.70	ug/l	100
79) 2-Chlorotoluene	12.70	91	1002138	21.56	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	1106802	20.95	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	61935	19.49	ug/l	94
82) 4-Chlorotoluene	12.79	91	1104090	21.15	ug/l	98
83) tert-Butylbenzene	13.03	119	1245746	21.24	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	1112057	21.08	ug/l	98
85) sec-Butylbenzene	13.21	105	1555375	21.61	ug/l	98
86) p-Isopropyltoluene	13.33	119	1224810	21.13	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	685671	21.34	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	686101	21.87	ug/l	95
89) n-Butylbenzene	13.63	91	1271199	19.94	ug/l	95
90) Hexachloroethane	13.85	117	291586	21.22	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	575366	21.80	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.21	75	27176	20.25	ug/l	62

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
Data File : VD060373.D
Acq On : 14 Nov 2018 12:20
Operator : JC/SY
Sample : VD1114SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

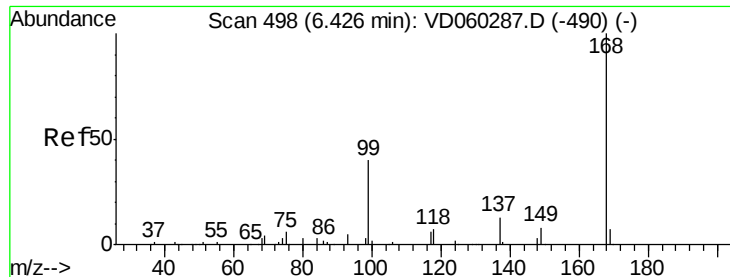
Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM

Quant Time: Nov 14 14:41:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	436768	20.87	ug/l	97
94) Hexachlorobutadiene	14.87	225	326096	20.84	ug/l	100
95) Naphthalene	14.96	128	508089	19.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	347165	20.71	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion:168 Resp: 1594732

Ion Ratio Lower Upper

168 100

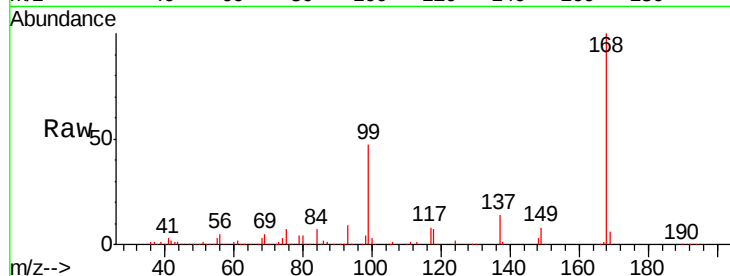
99 47.4 39.8 59.8

Manual Integrations

APPROVED

apatel

11/15/2018 1:02:26 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

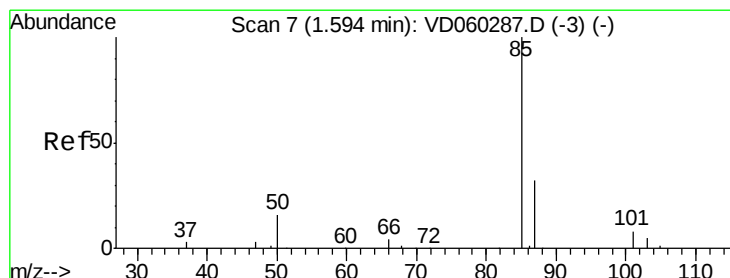
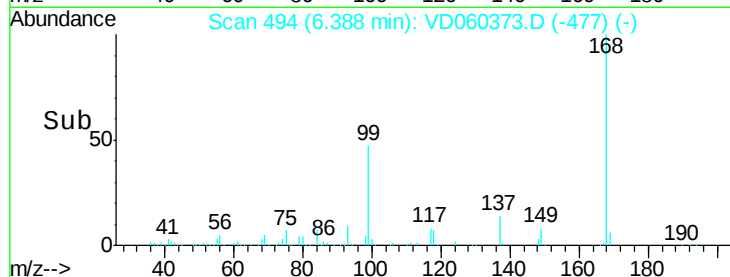
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.00 ug/l

RT: 1.59 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060373.D

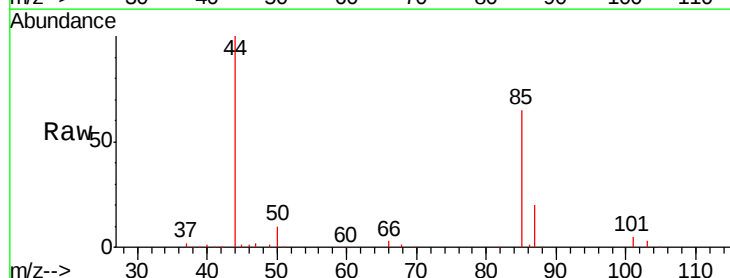
Acq: 14 Nov 2018 12:20

Tgt Ion: 85 Resp: 318697

Ion Ratio Lower Upper

85 100

87 31.6 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

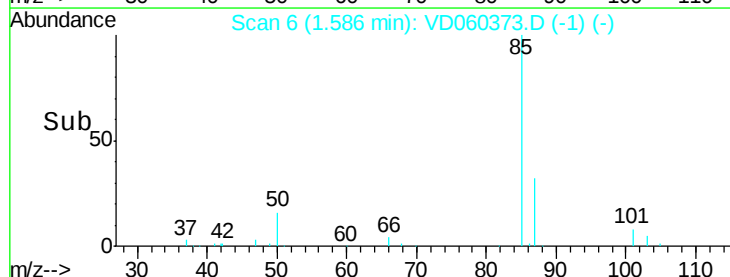
150000

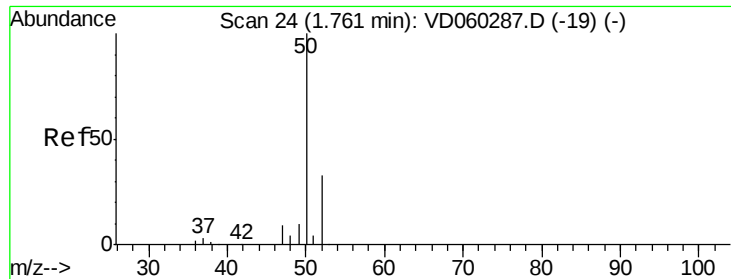
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.23 ug/l

RT: 1.75 min Scan# 23

Delta R.T. -0.01 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion: 50 Resp: 305566

Ion Ratio Lower Upper

50 100

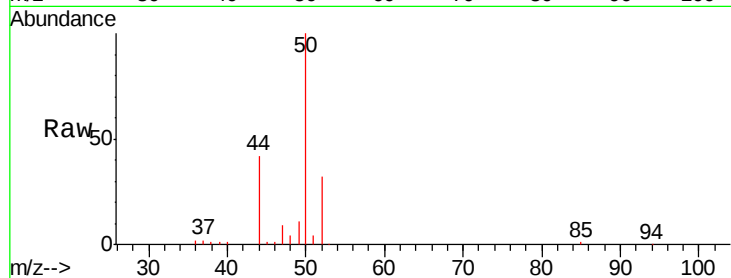
52 32.3 25.8 38.6

Manual Integrations

APPROVED

apatel

11/15/2018 1:02:26 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

120000

100000

80000

60000

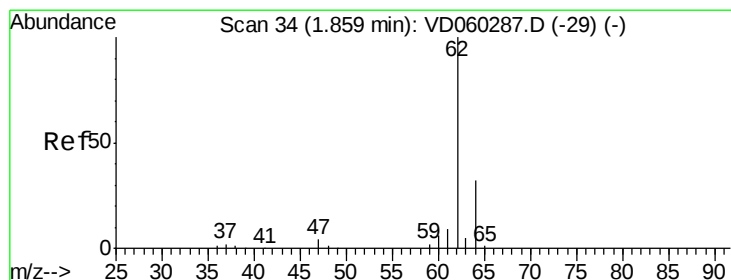
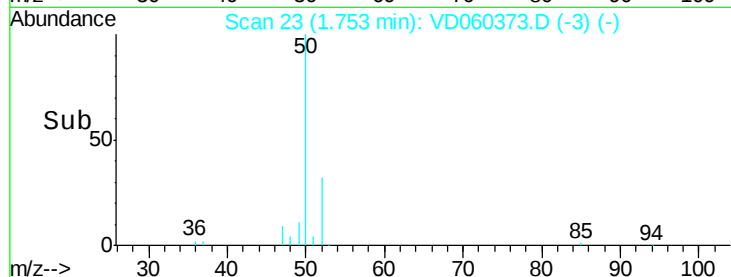
40000

20000

0

1.70 1.75 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 21.09 ug/l

RT: 1.85 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD060373.D

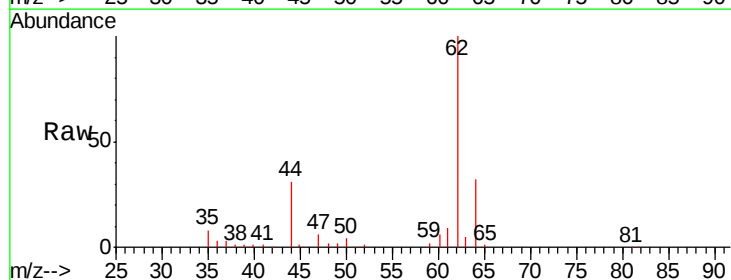
Acq: 14 Nov 2018 12:20

Tgt Ion: 62 Resp: 260216

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

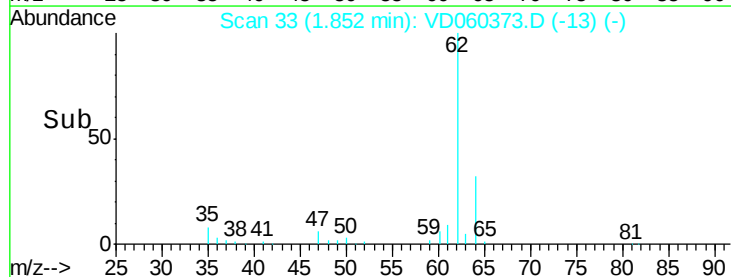
100000

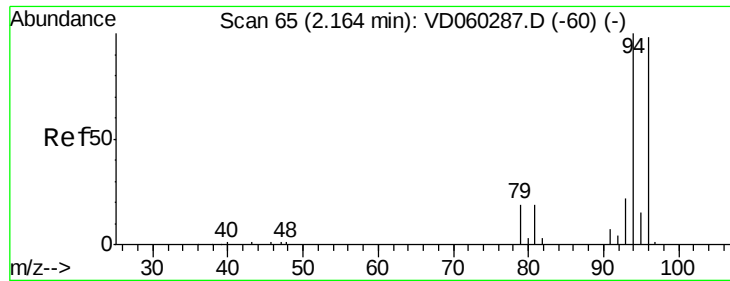
50000

0

1.70 1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 15.06 ug/l

RT: 2.15 min Scan# 63

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 94 Resp: 44077

Ion Ratio Lower Upper

94 100

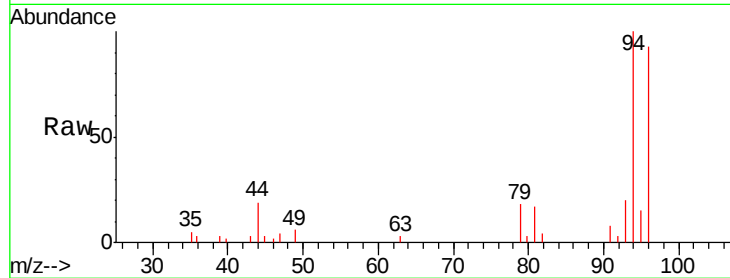
96 93.4 76.6 114.8

Manual Integrations

APPROVED

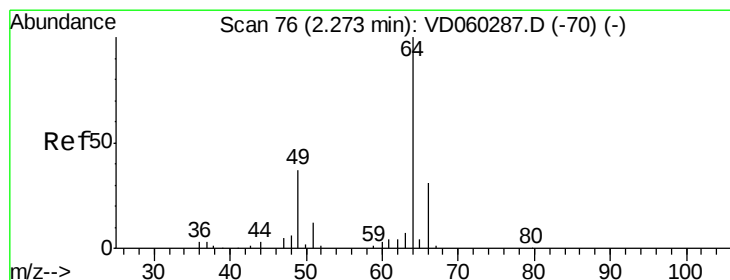
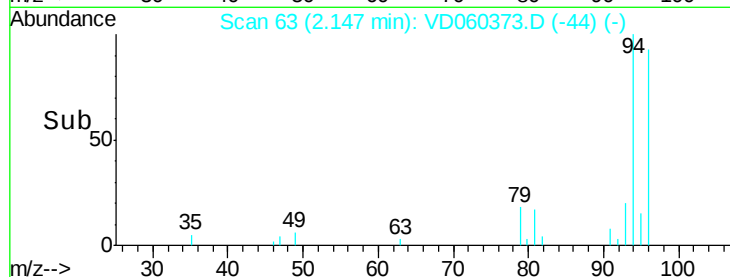
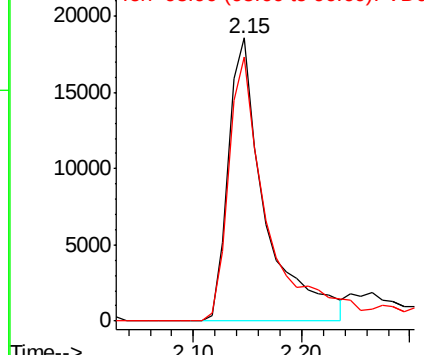
apatel

11/15/2018 1:02:26 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.70 ug/l

RT: 2.26 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD060373.D

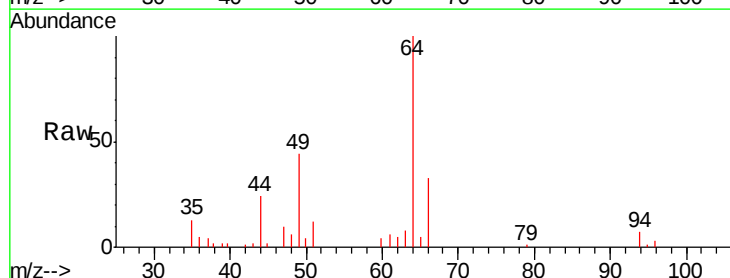
Acq: 14 Nov 2018 12:20

Tgt Ion: 64 Resp: 68342

Ion Ratio Lower Upper

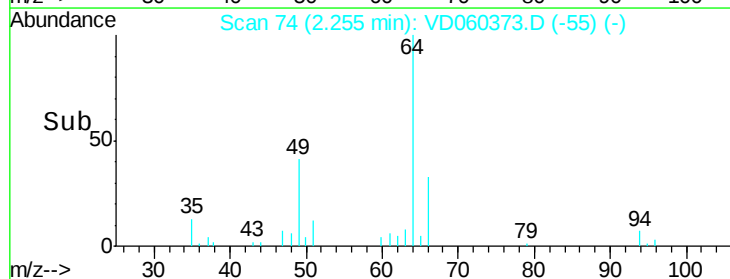
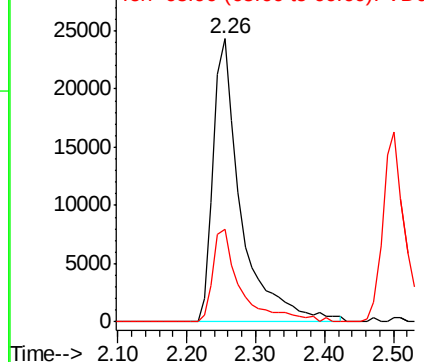
64 100

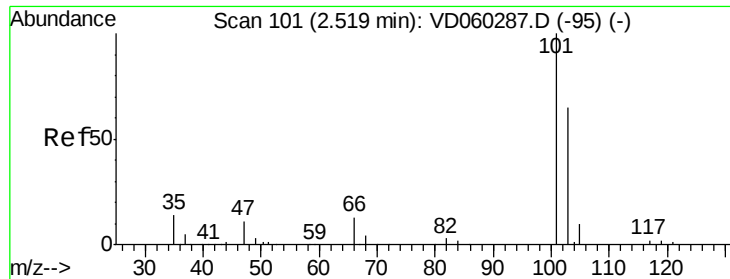
66 32.9 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.18 ug/l

RT: 2.50 min Scan# 99

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion: 101 Resp: 293471

Ion Ratio Lower Upper

101 100

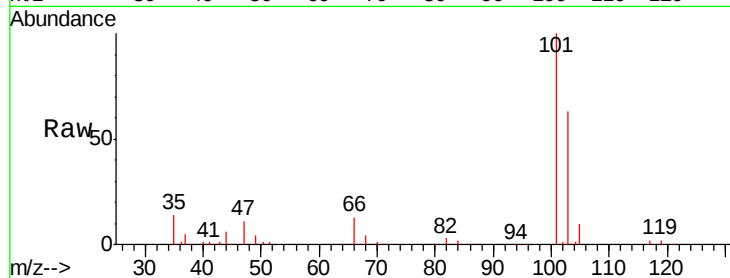
103 63.1 53.6 80.4

Manual Integrations

APPROVED

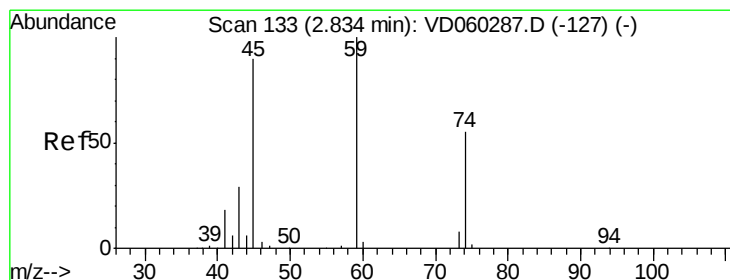
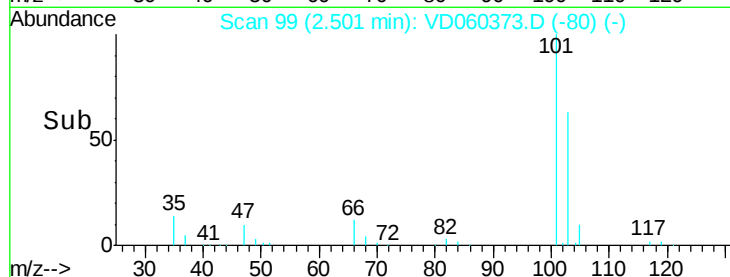
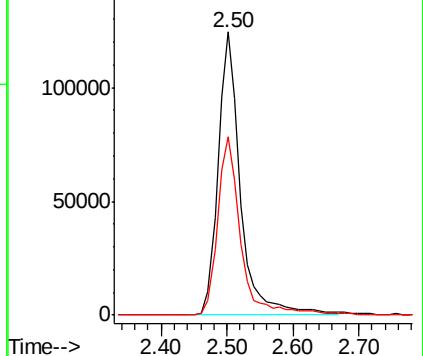
apatel

11/15/2018 1:02:26 PM



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 20.19 ug/l

RT: 2.82 min Scan# 131

Delta R.T. -0.02 min

Lab File: VD060373.D

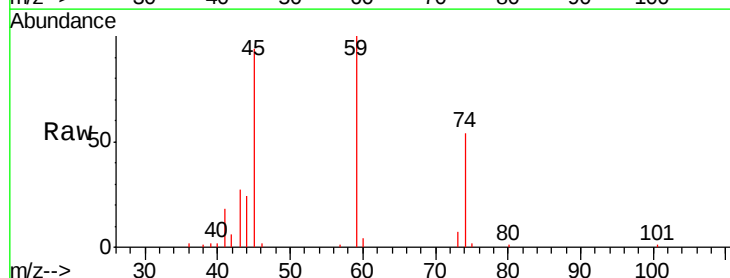
Acq: 14 Nov 2018 12:20

Tgt Ion: 74 Resp: 53161

Ion Ratio Lower Upper

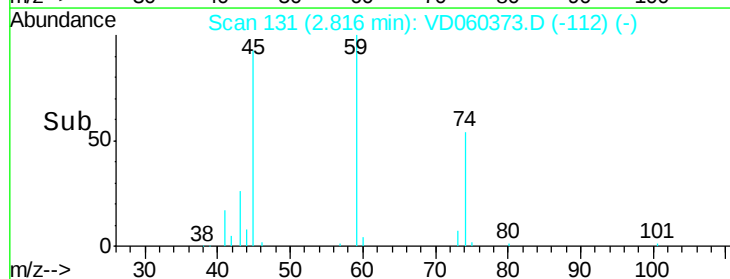
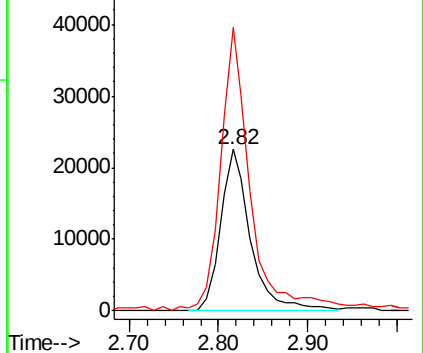
74 100

45 175.3 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.95 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

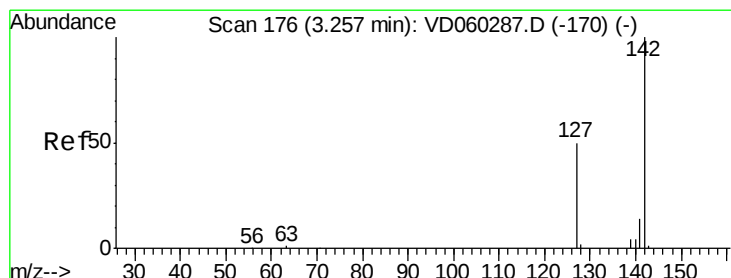
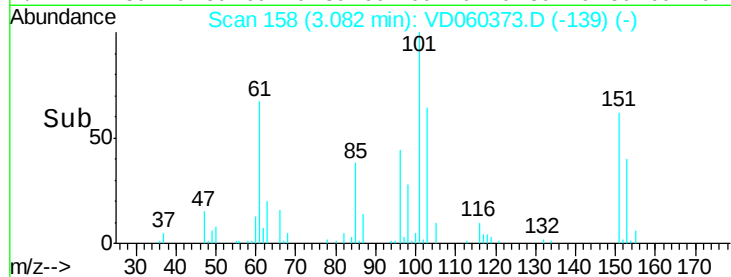
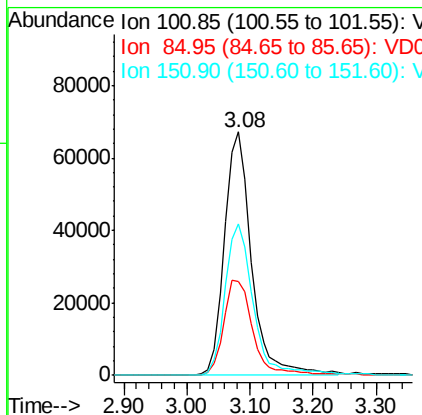
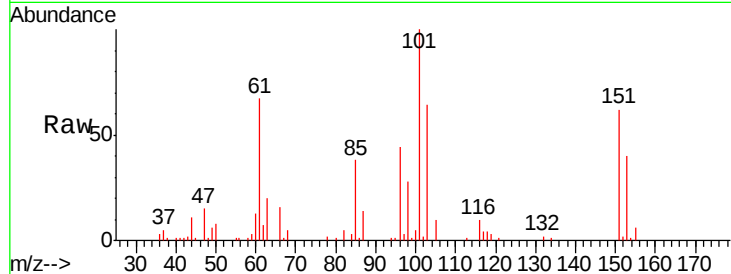
ClientSampleId :

VD1114SBS01

Tgt Ion:	101	Resp:	200396
Ion Ratio	Lower	Upper	
101	100		
85	38.4	31.4	47.0
151	62.4	47.4	71.0

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#10

Methyl Iodide

Concen: 18.65 ug/l

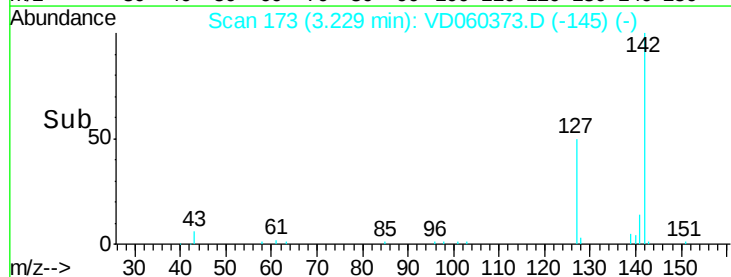
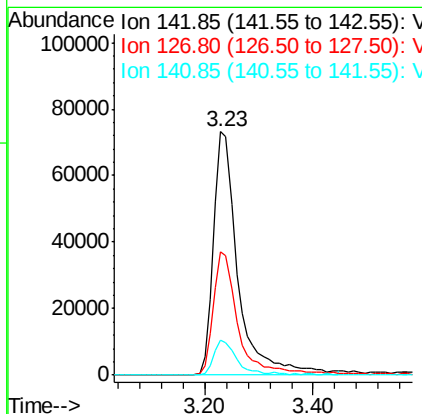
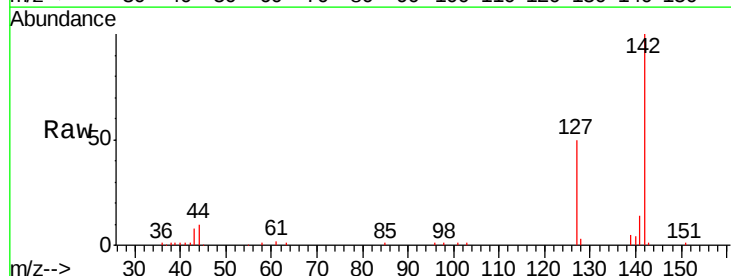
RT: 3.23 min Scan# 173

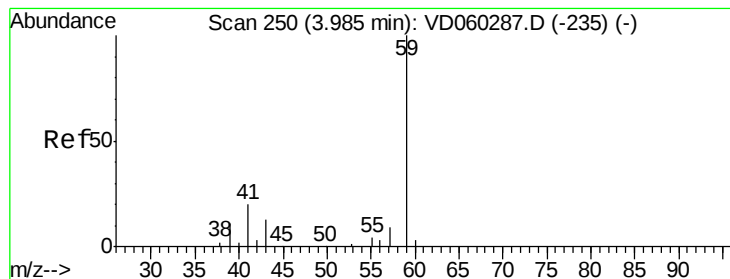
Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion:	142	Resp:	231691
Ion Ratio	Lower	Upper	
142	100		
127	50.5	41.0	61.6
141	14.4	11.9	17.9





#11

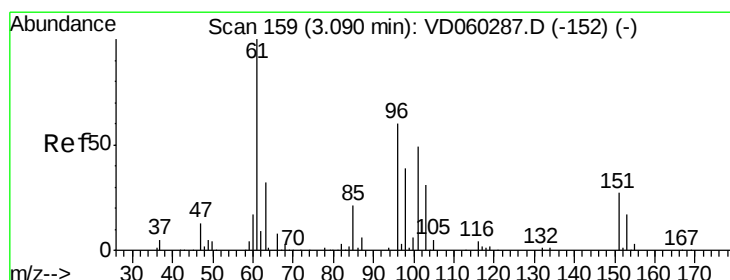
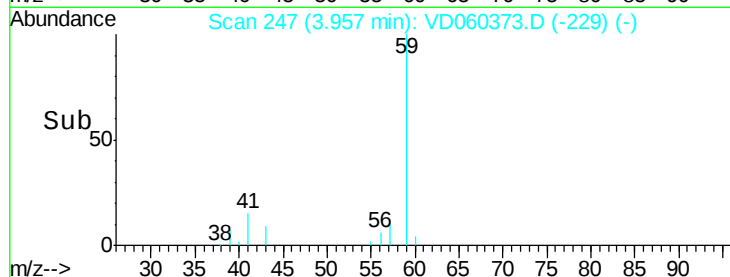
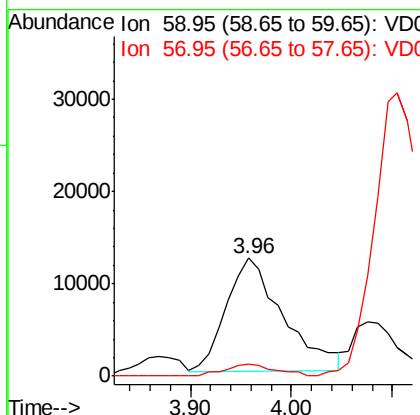
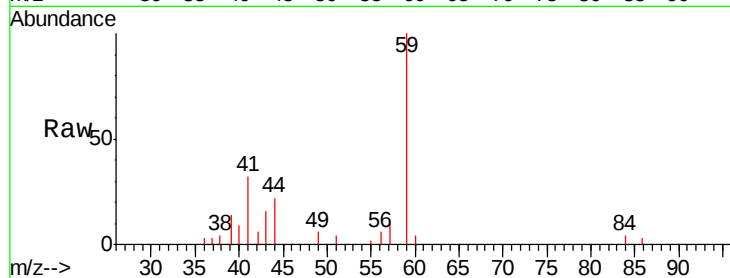
Tert butyl alcohol
Concen: 103.77 ug/l
RT: 3.96 min Scan# 247
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.3	13.9

Manual Integrations
APPROVED

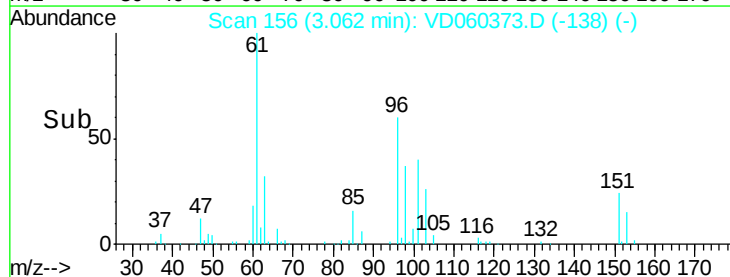
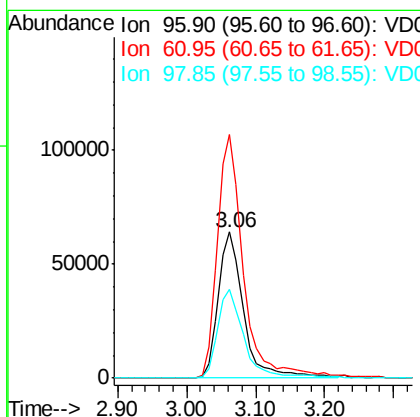
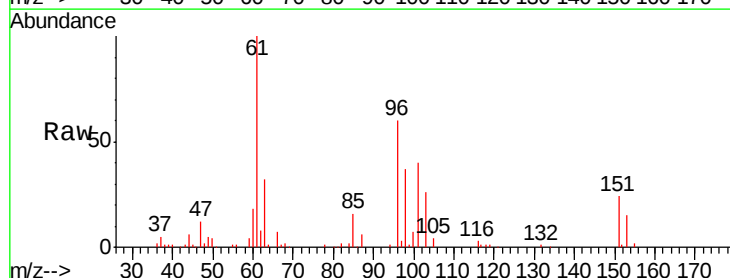
apatel
11/15/2018 1:02:26 PM

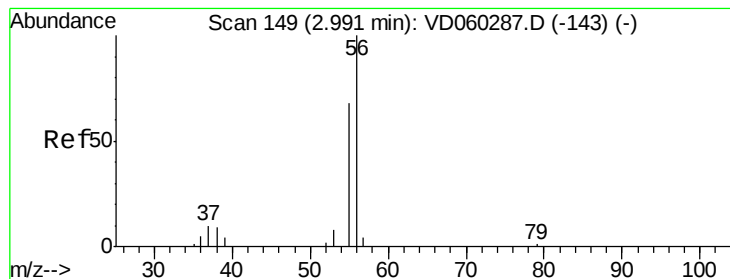


#12

1,1-Dichloroethene
Concen: 21.06 ug/l
RT: 3.06 min Scan# 156
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.9	142.2	213.4
98	61.1	52.6	79.0





#13

Acrolein

Concen: 87.48 ug/l

RT: 2.97 min Scan# 147

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion: 56 Resp: 48470

Ion Ratio Lower Upper

56 100

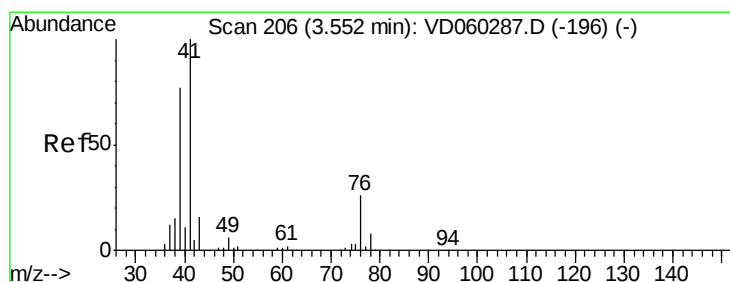
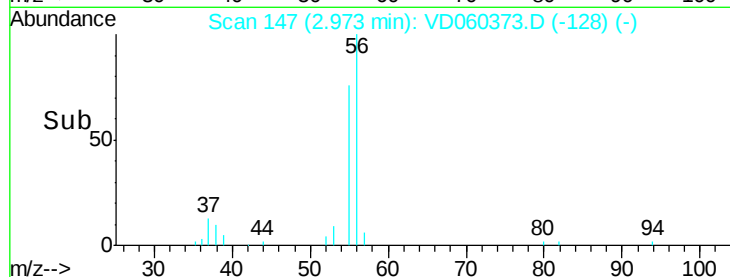
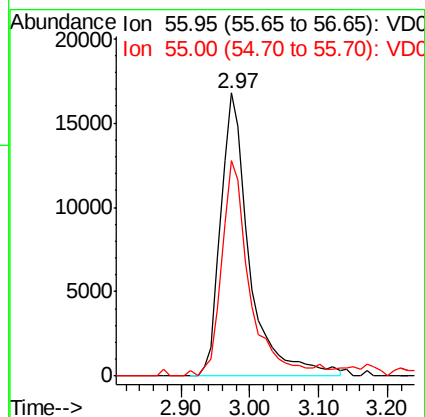
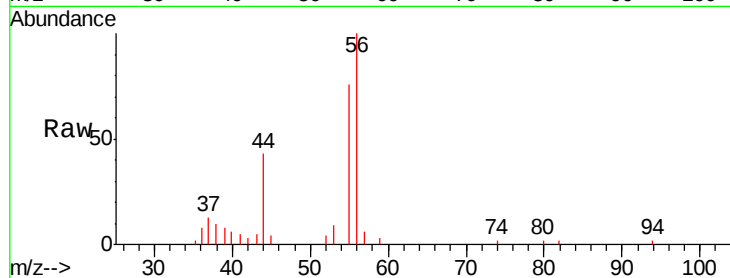
55 76.1 57.0 85.6

Manual Integrations

APPROVED

apatel

11/15/2018 1:02:26 PM



#14

Allyl chloride

Concen: 21.29 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

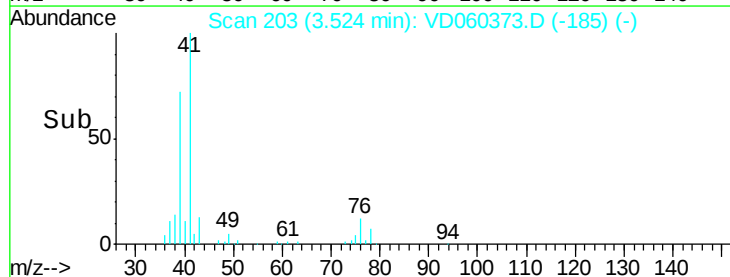
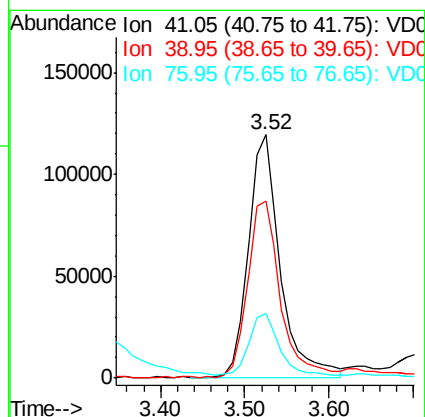
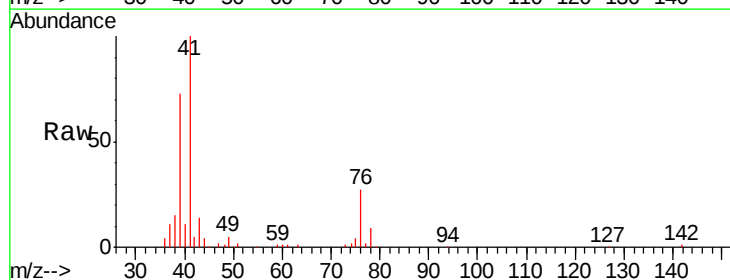
Tgt Ion: 41 Resp: 317045

Ion Ratio Lower Upper

41 100

39 72.8 60.4 90.6

76 26.7 21.8 32.8





#15

Acrylonitrile

Concen: 106.05 ug/l

RT: 4.07 min Scan# 258

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

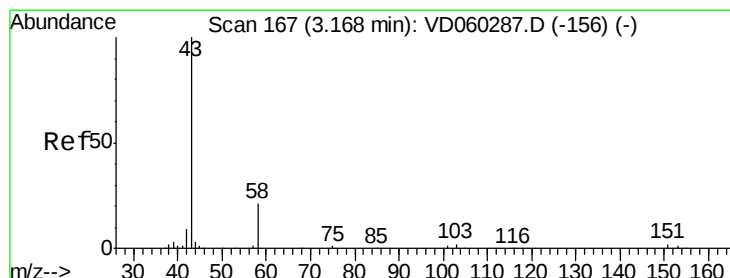
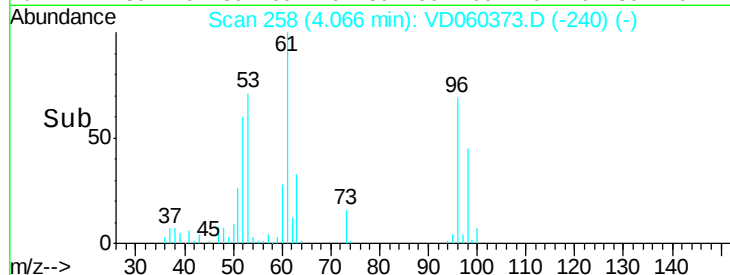
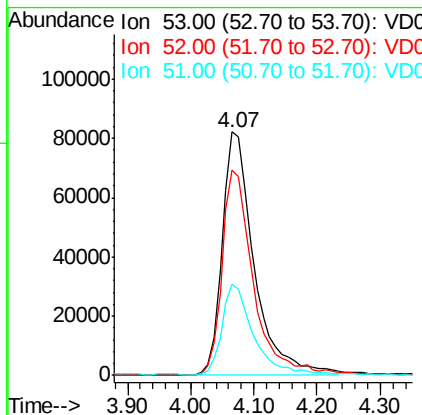
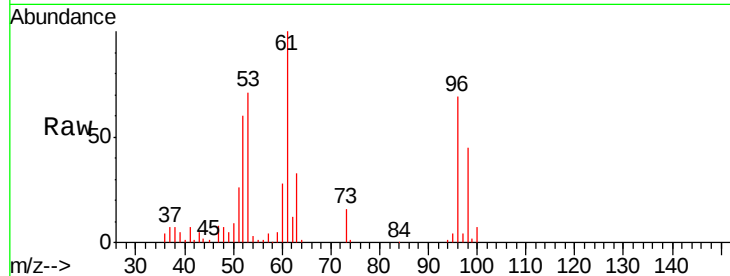
ClientSampleId :

VD1114SBSD01

Tgt Ion:	53	Resp:	289984
Ion Ratio	Lower	Upper	
53	100		
52	84.3	67.0	100.4
51	37.3	29.9	44.9

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#16

Acetone

Concen: 108.47 ug/l

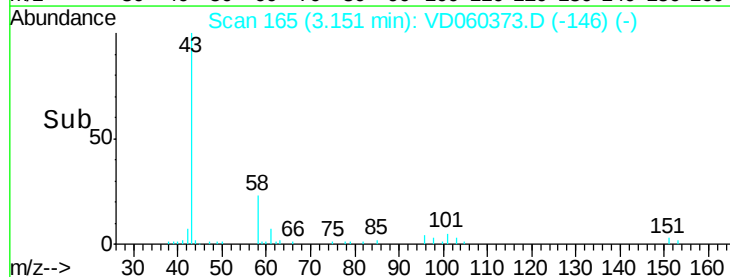
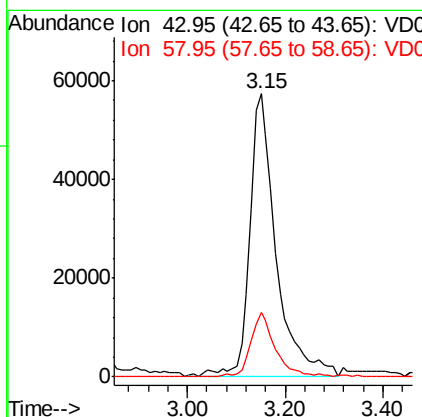
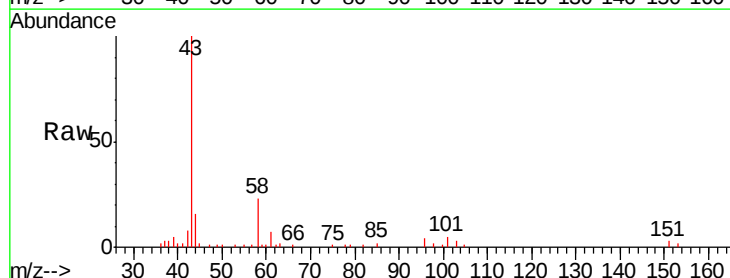
RT: 3.15 min Scan# 165

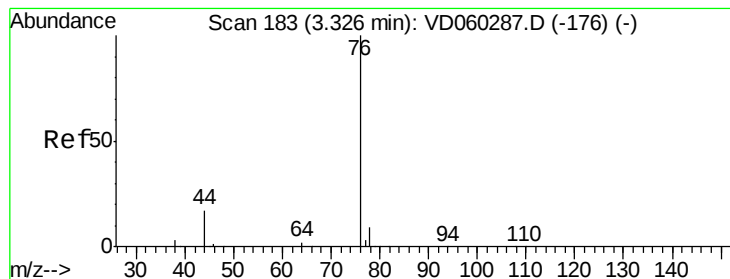
Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion:	43	Resp:	214843
Ion Ratio	Lower	Upper	
43	100		
58	22.6	16.9	25.3





#17

Carbon Disulfide

Concen: 19.85 ug/l

RT: 3.30 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 76 Resp: 498471

Ion Ratio Lower Upper

76 100

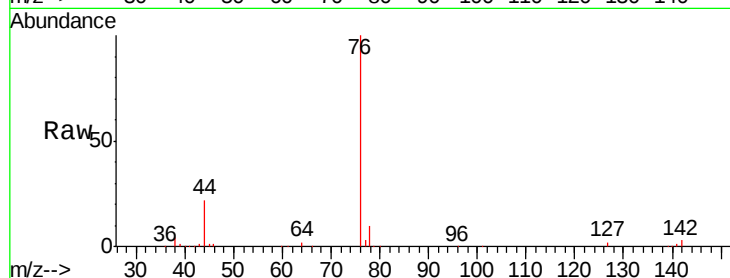
78 9.9 7.0 10.4

Manual Integrations

APPROVED

apatel

11/15/2018 1:02:26 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.30

200000

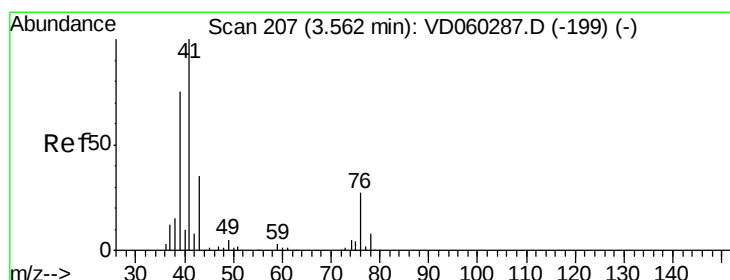
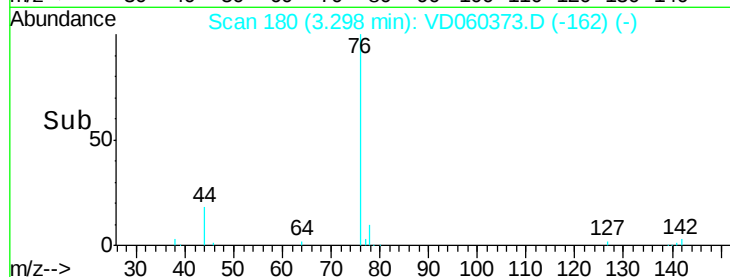
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.55 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.02 min

Lab File: VD060373.D

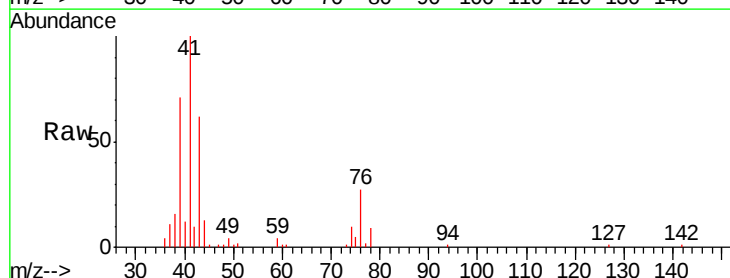
Acq: 14 Nov 2018 12:20

Tgt Ion: 43 Resp: 91004

Ion Ratio Lower Upper

43 100

74 15.6 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.54

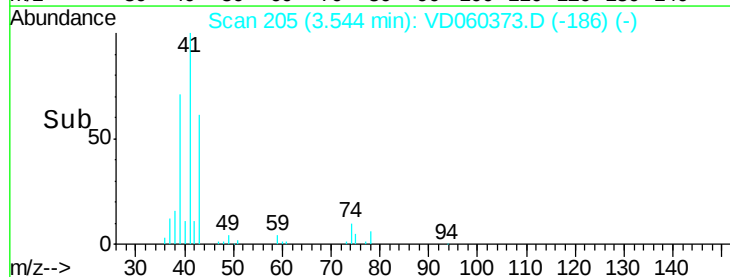
30000

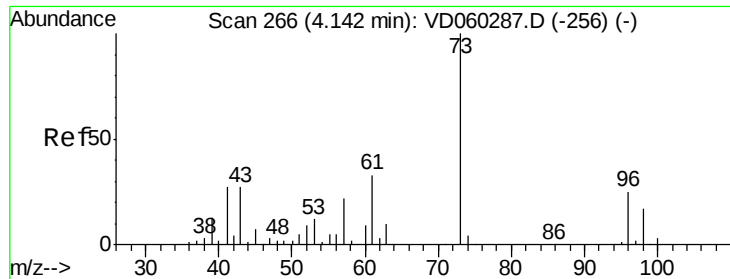
20000

10000

0

Time-->





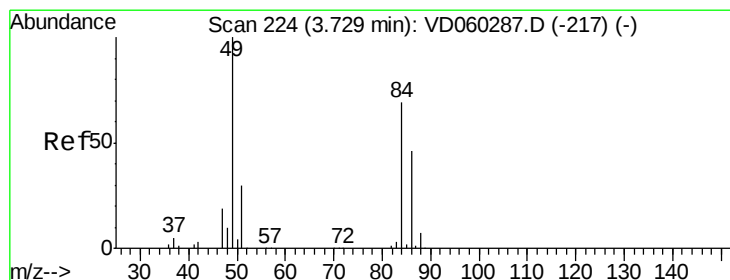
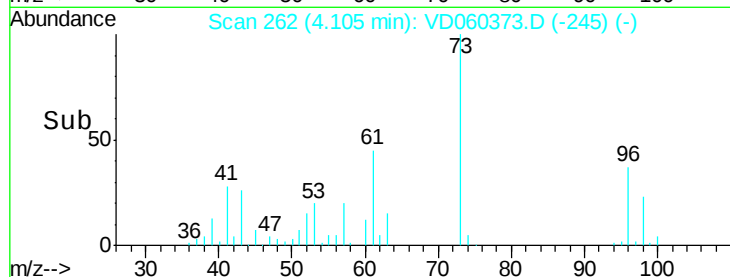
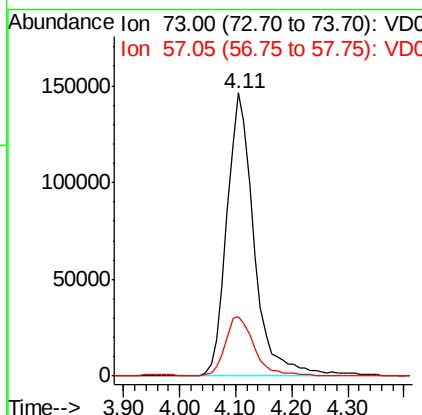
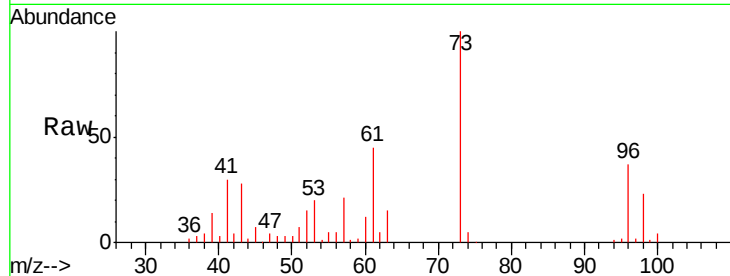
#19
Methyl tert-butyl Ether
Concen: 21.21 ug/l
RT: 4.11 min Scan# 262
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion: 73 Resp: 494232
Ion Ratio Lower Upper
73 100
57 21.0 18.1 27.1

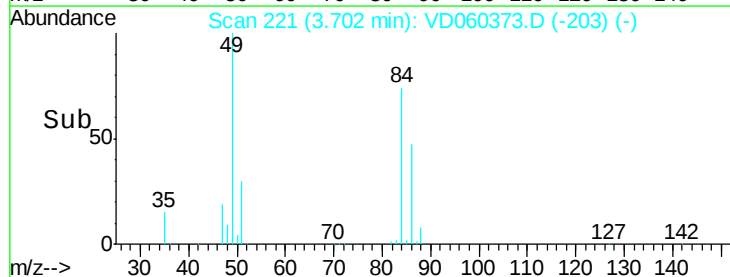
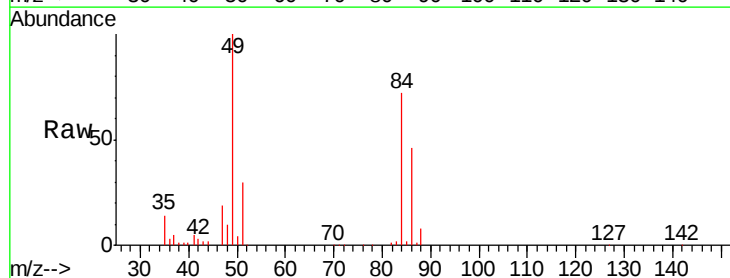
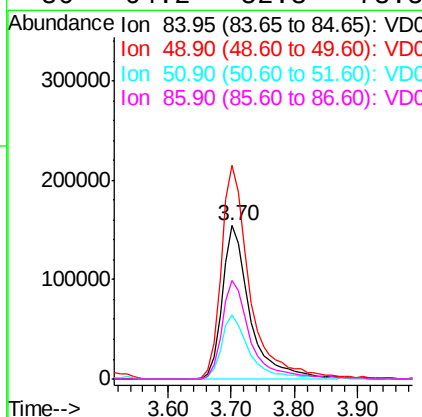
Manual Integrations
APPROVED

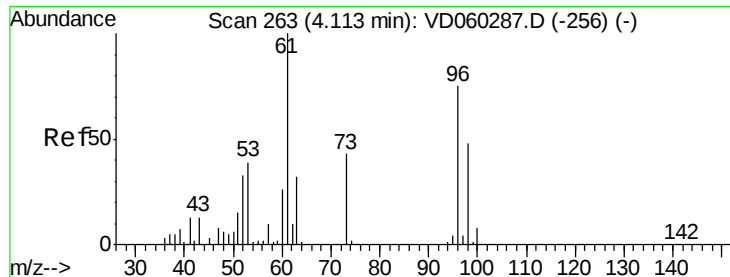
apatel
11/15/2018 1:02:26 PM



#20
Methylene Chloride
Concen: 26.94 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion: 84 Resp: 473277
Ion Ratio Lower Upper
84 100
49 139.2 115.6 173.4
51 42.0 35.6 53.4
86 64.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.11 ug/l

RT: 4.09 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 96 Resp: 364738
Ion Ratio Lower Upper

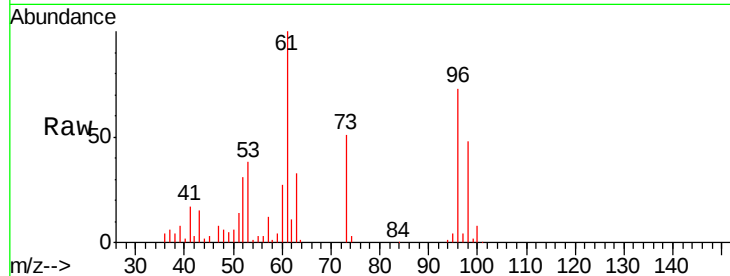
96 100

61 136.2 105.8 158.6

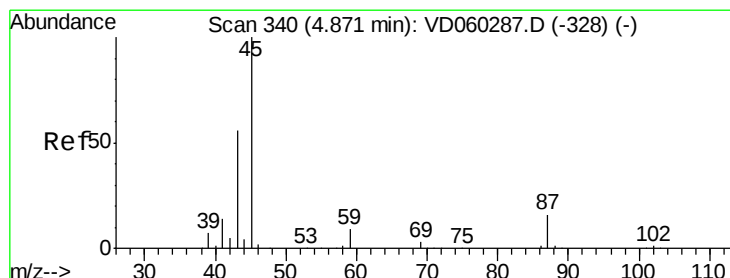
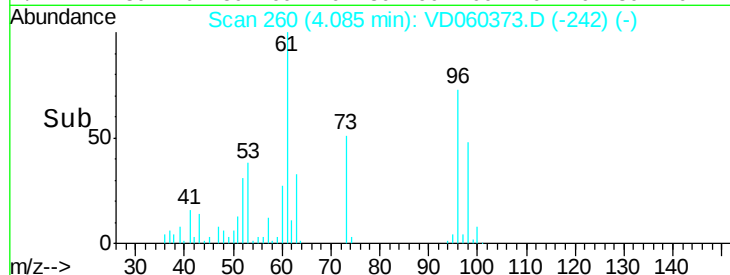
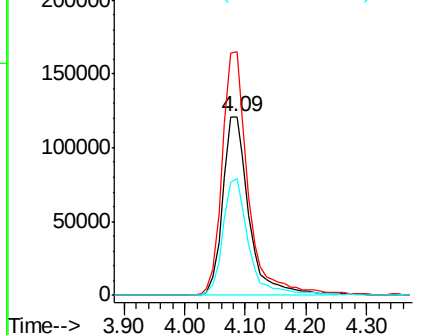
98 65.3 50.8 76.2

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



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



#22

Diisopropyl ether

Concen: 21.48 ug/l

RT: 4.83 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion: 45 Resp: 1194610
Ion Ratio Lower Upper

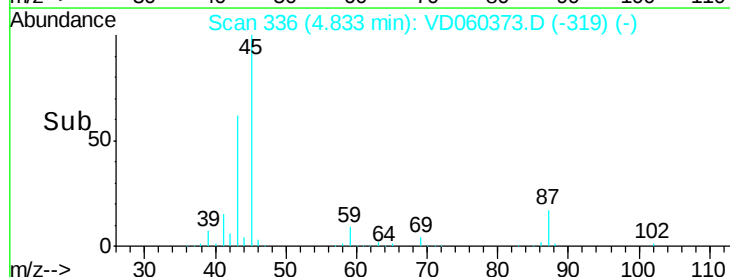
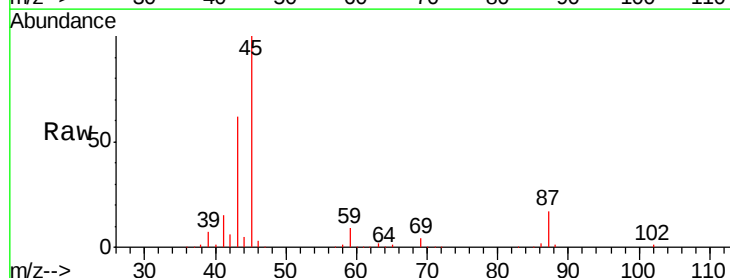
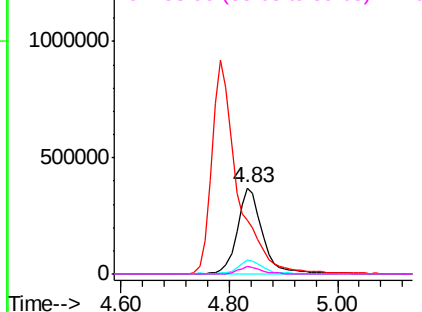
45 100

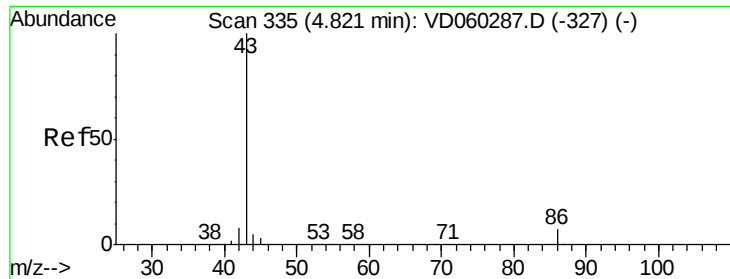
43 61.8 44.9 67.3

87 17.1 13.9 20.9

59 8.9 7.0 10.6

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





#23

Vinyl Acetate

Concen: 109.29 ug/l

RT: 4.78 min Scan# 331

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 43 Resp: 3025034

Ion Ratio Lower Upper

43 100

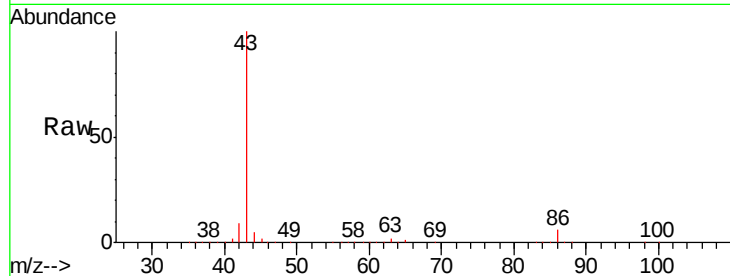
86 6.4 5.7 8.5

Manual Integrations

APPROVED

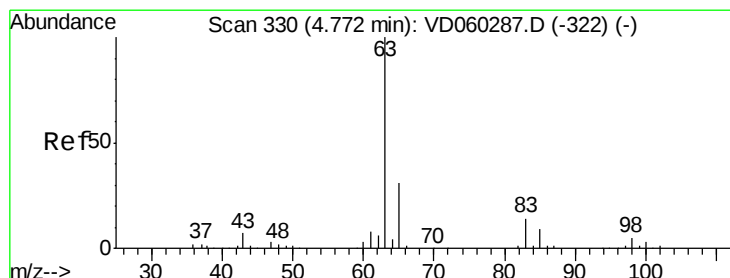
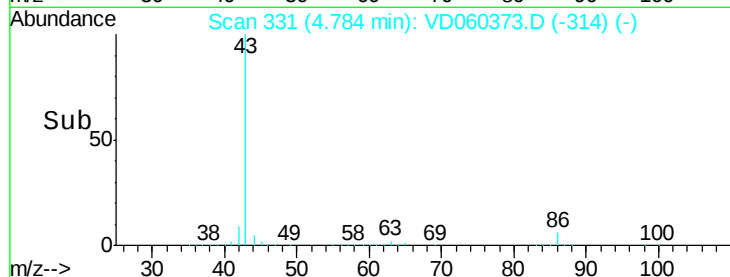
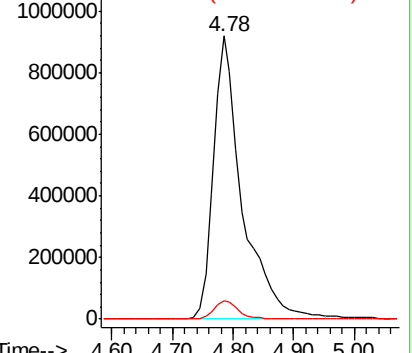
apatel

11/15/2018 1:02:26 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.38 ug/l

RT: 4.73 min Scan# 326

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

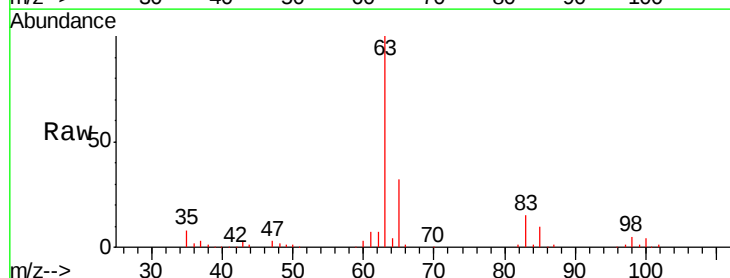
Tgt Ion: 63 Resp: 609735

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

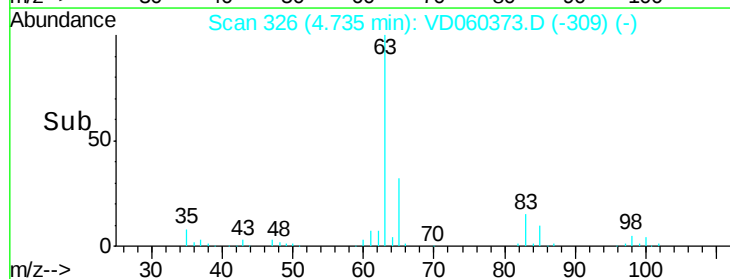
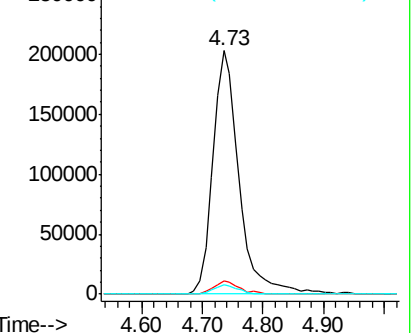
100 3.7 1.8 5.5

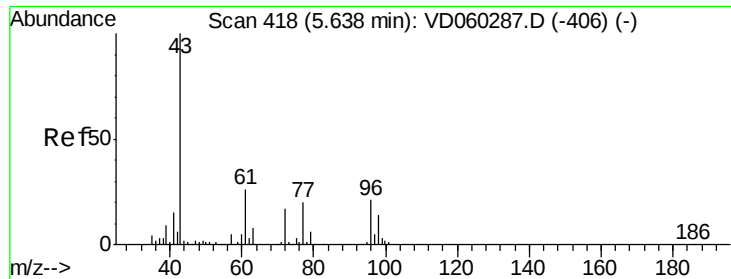


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 109.51 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 43 Resp: 450847

Ion Ratio Lower Upper

43 100

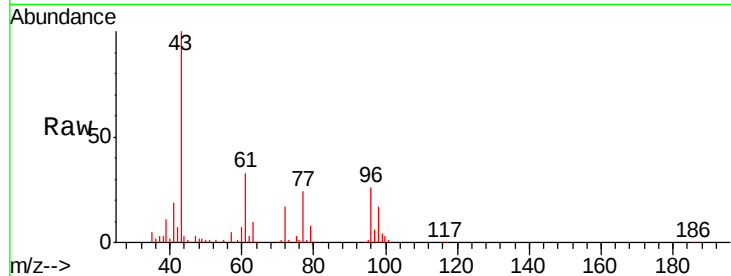
72 17.4 13.8 20.8

Manual Integrations

APPROVED

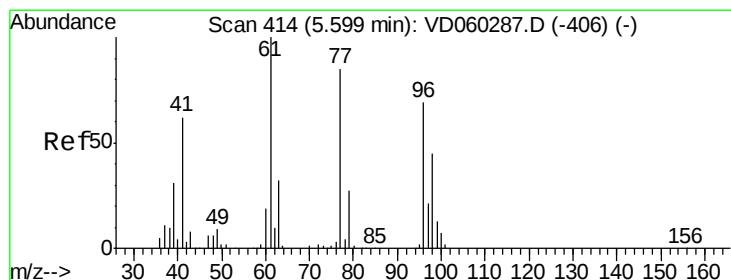
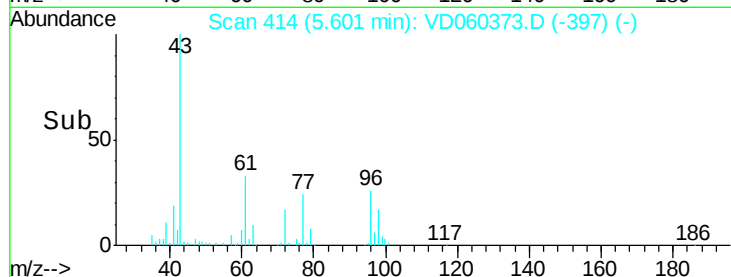
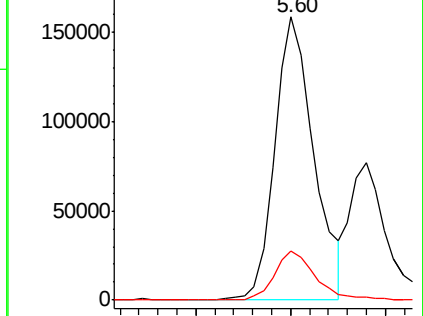
apatel

11/15/2018 1:02:26 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.60 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.03 min

Lab File: VD060373.D

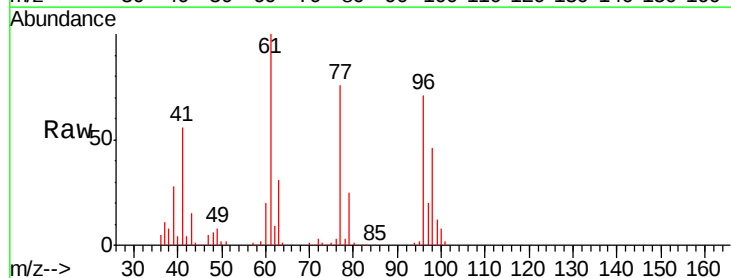
Acq: 14 Nov 2018 12:20

Tgt Ion: 77 Resp: 479068

Ion Ratio Lower Upper

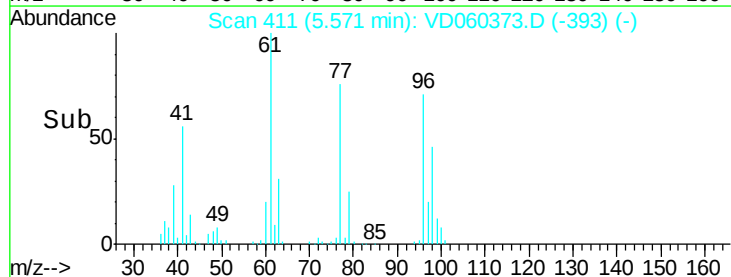
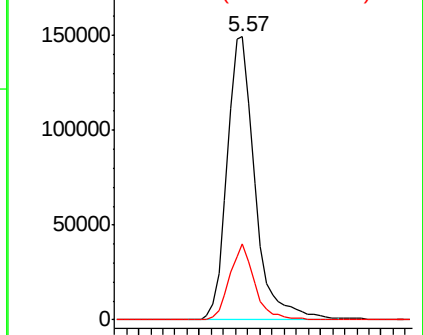
77 100

97 26.7 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





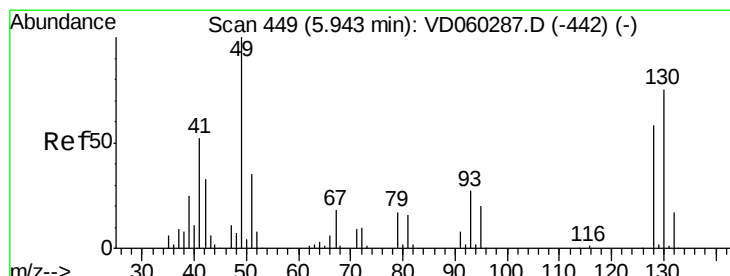
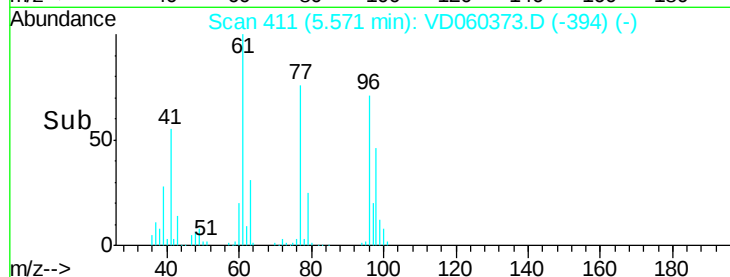
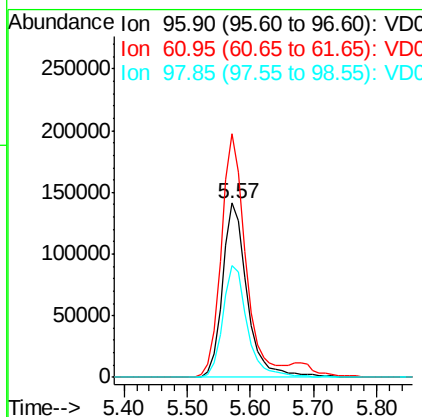
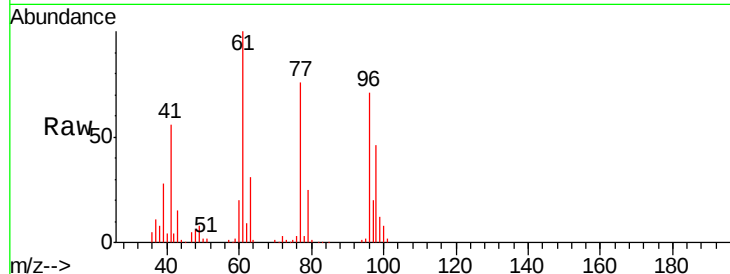
#27
 cis-1,2-Dichloroethene
 Concen: 21.30 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.04 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	383352		
61	140.0	0.0	259.0	
98	64.5	0.0	128.8	

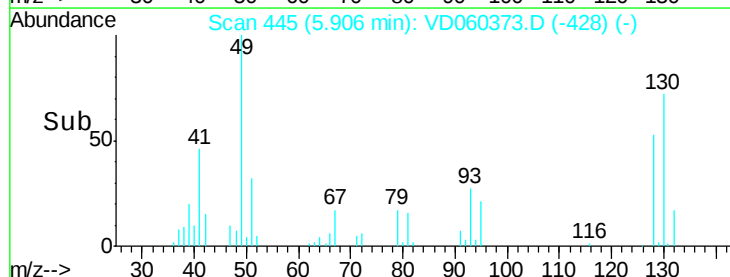
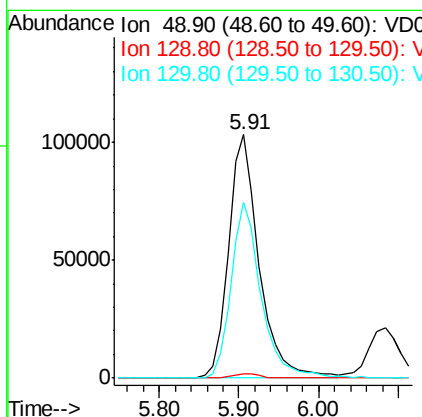
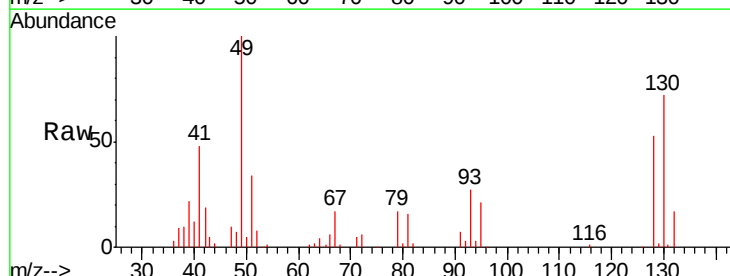
Manual Integrations
 APPROVED

apatel
 11/15/2018 1:02:26 PM



#28
 Bromochloromethane
 Concen: 21.87 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. -0.04 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	275274		
129	2.0	0.0	2.8	
130	72.1	53.6	80.4	





#29

Tetrahydrofuran

Concen: 107.26 ug/l

RT: 5.94 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

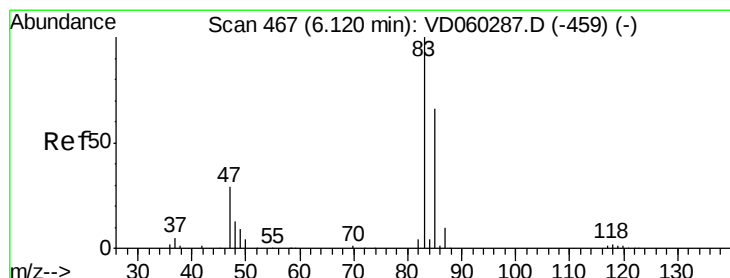
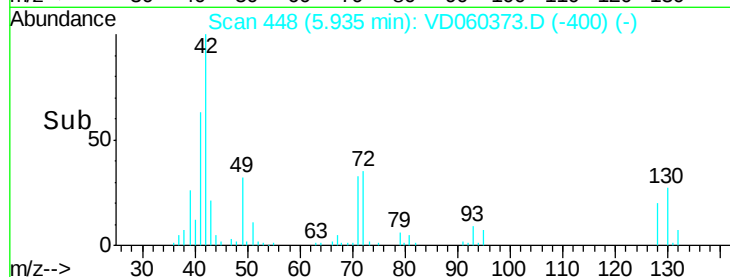
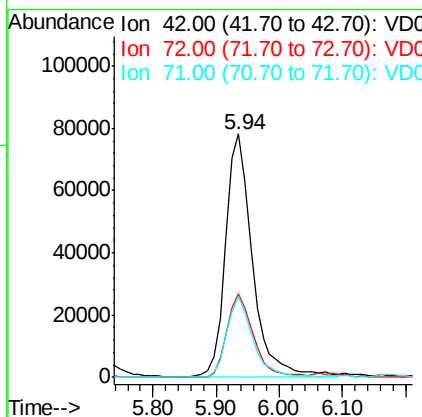
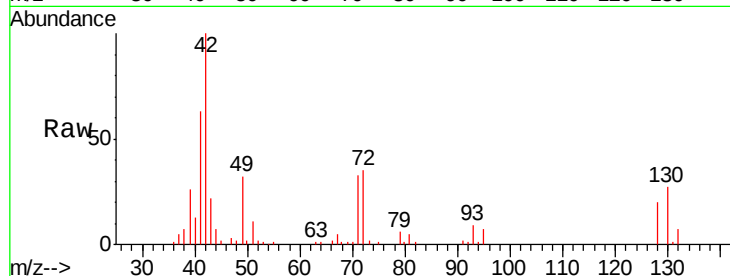
ClientSampleId :

VD1114SBSD01

Tgt Ion:	42	Resp:	232825
Ion Ratio		Lower	Upper
42	100		
72	33.6	27.6	41.4
71	31.8	26.5	39.7

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#30

Chloroform

Concen: 21.73 ug/l

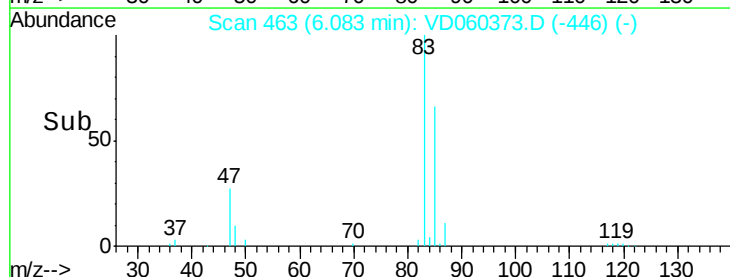
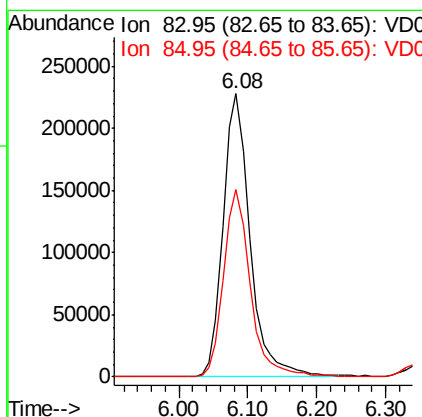
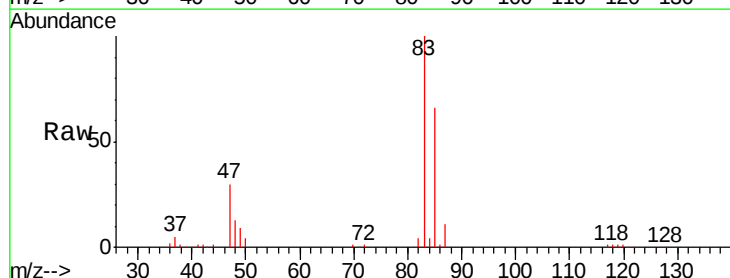
RT: 6.08 min Scan# 463

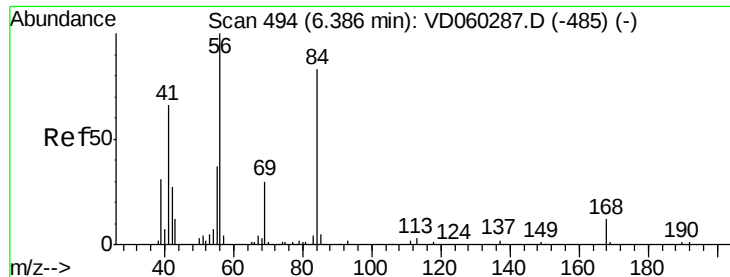
Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion:	83	Resp:	619699
Ion Ratio		Lower	Upper
83	100		
85	66.2	52.5	78.7





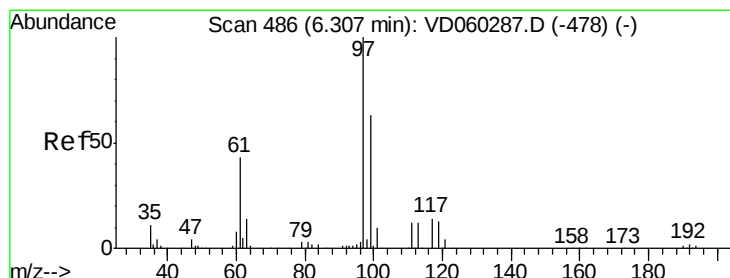
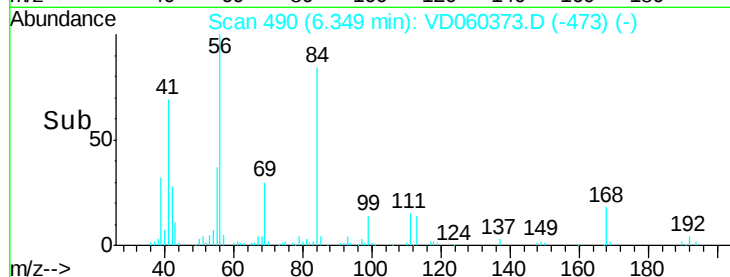
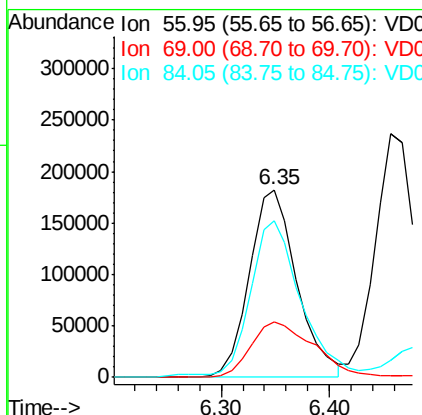
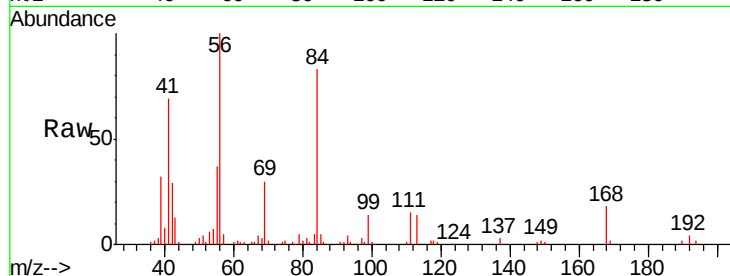
#31
Cyclohexane
Concen: 20.27 ug/l
RT: 6.35 min Scan# 490
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	22.2	33.2
84	83.4	63.0	94.4

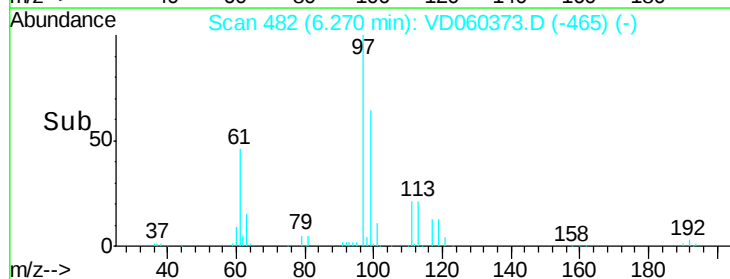
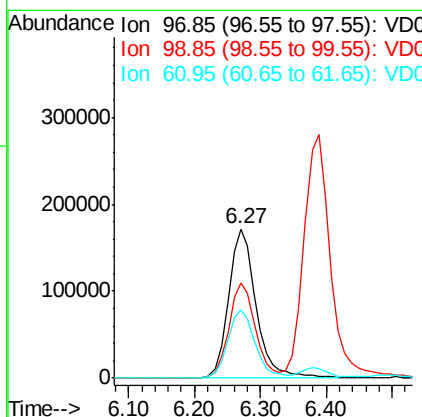
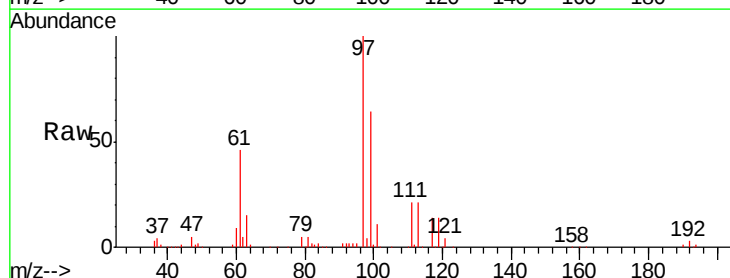
Manual Integrations
APPROVED

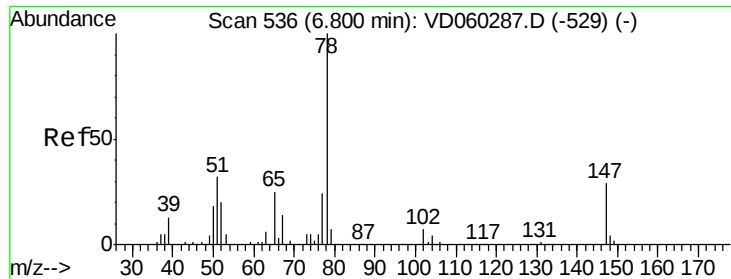
apatel
11/15/2018 1:02:26 PM



#32
1,1,1-Trichloroethane
Concen: 20.79 ug/l
RT: 6.27 min Scan# 482
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	46.1	35.8	53.8





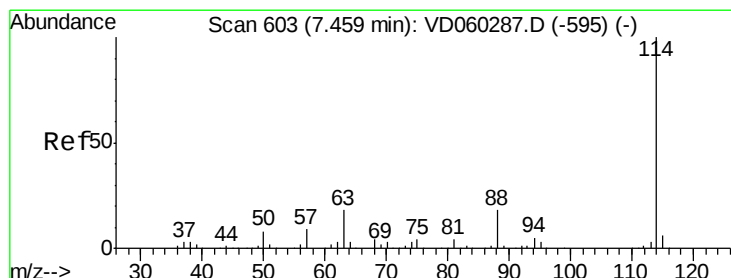
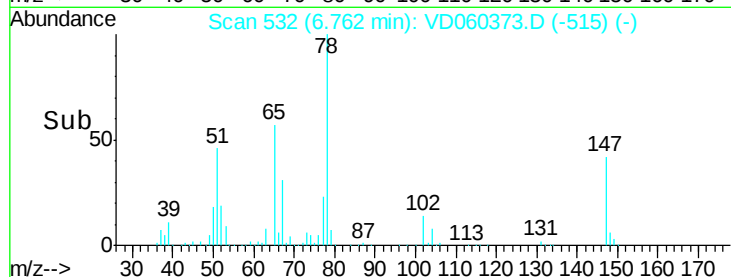
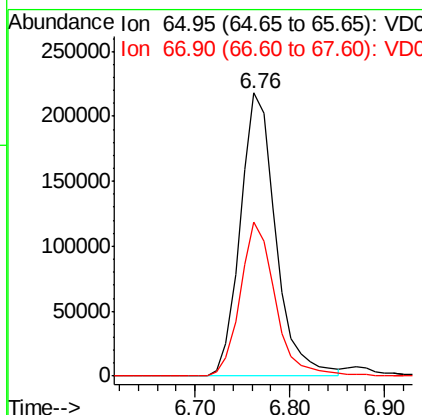
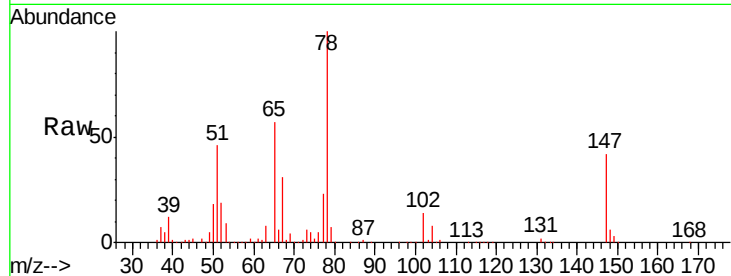
#33
 1,2-Dichloroethane-d4
 Concen: 20.79 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tgt Ion: 65 Resp: 566156
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8

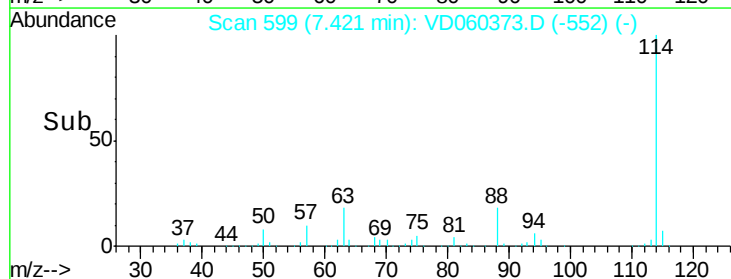
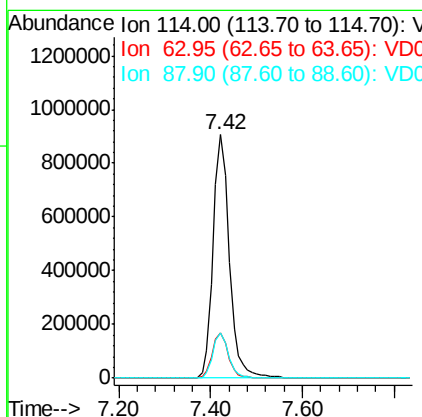
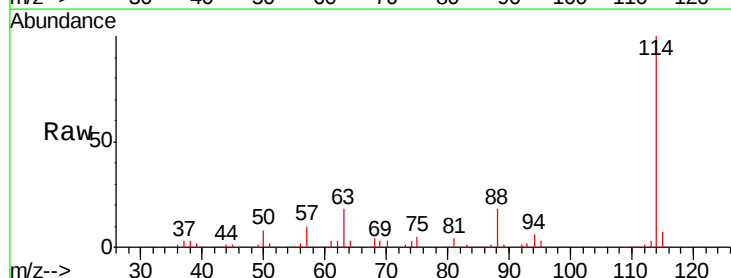
Manual Integrations
 APPROVED

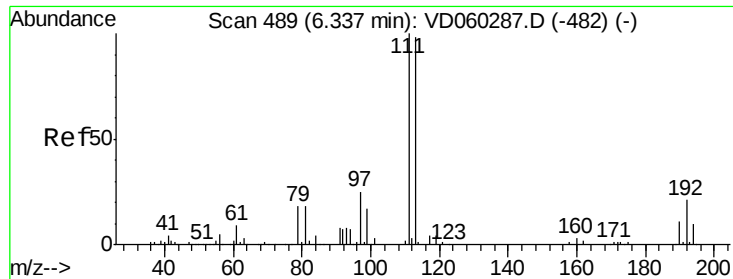
apatel
 11/15/2018 1:02:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion: 114 Resp: 2200401
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.0
 88 18.4 0.0 35.4





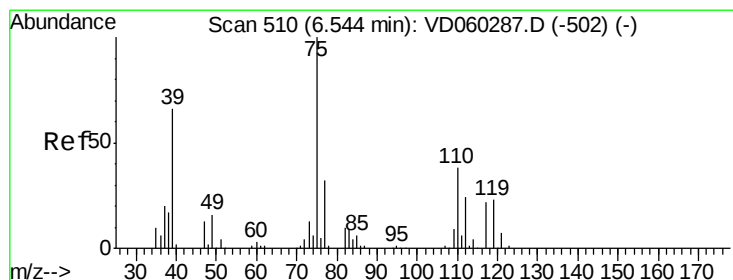
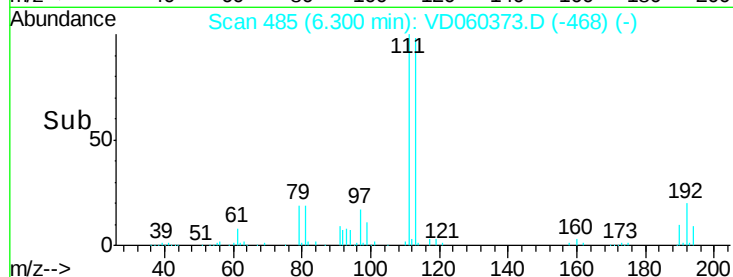
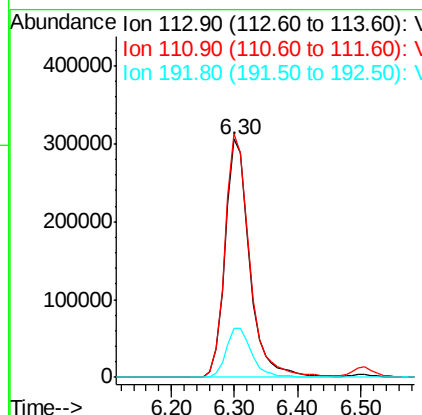
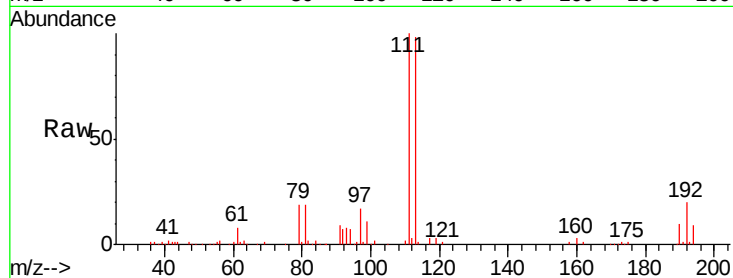
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	826984		
111	102.2	81.6	122.4	
192	20.6	16.5	24.7	

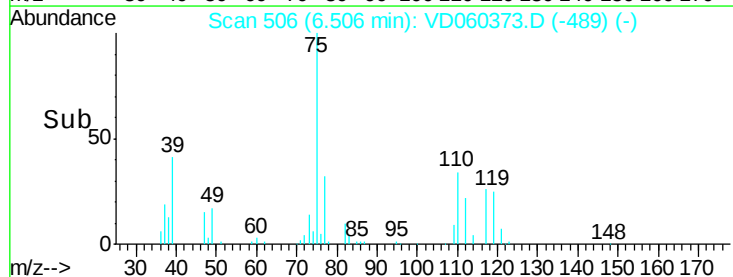
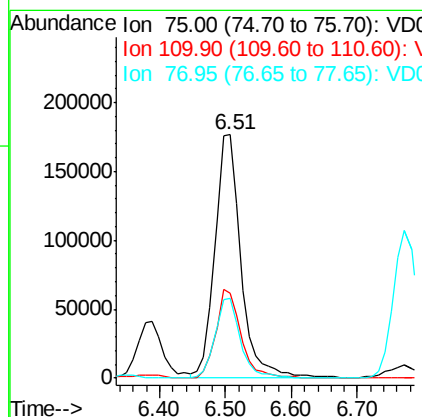
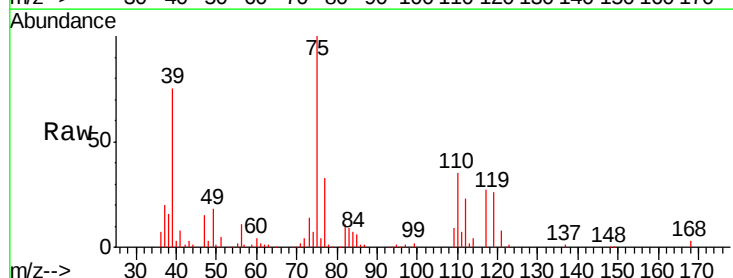
Manual Integrations
APPROVED

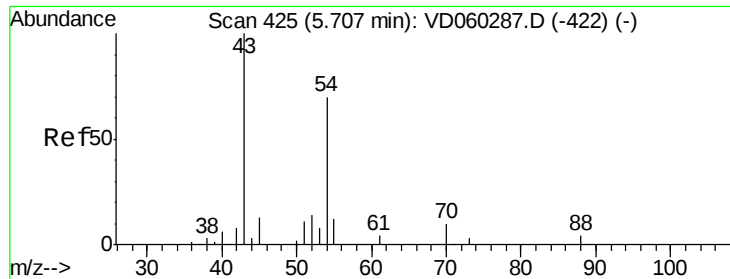
apatel
11/15/2018 1:02:26 PM



#36
1,1-Dichloropropene
Concen: 21.90 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	476069		
110	34.8	18.0	54.0	
77	32.6	25.6	38.4	





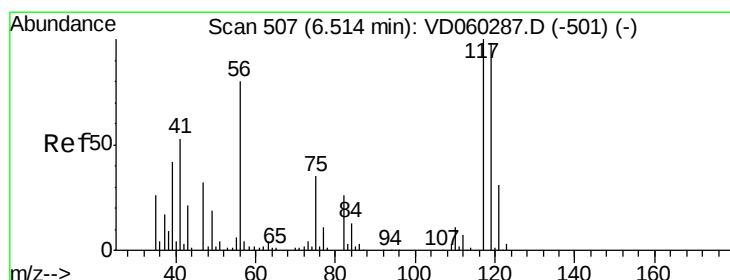
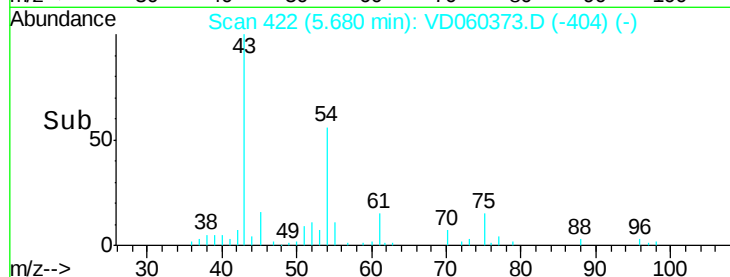
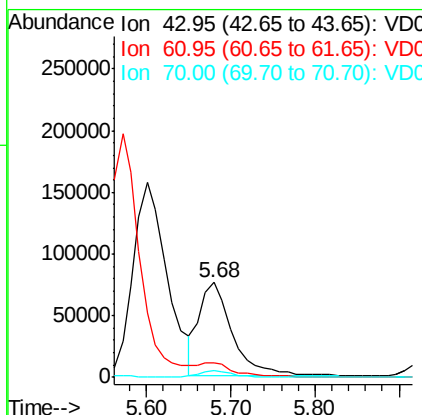
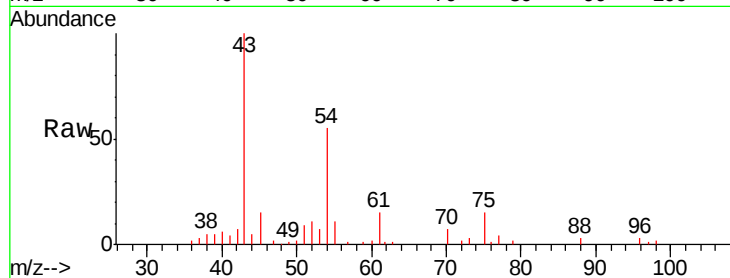
#37
Ethyl Acetate
 Concen: 20.80 ug/l
 RT: 5.68 min Scan# 422
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.6
70	6.6	6.2	9.4

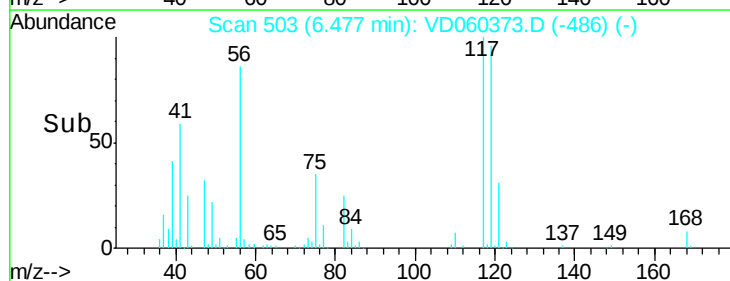
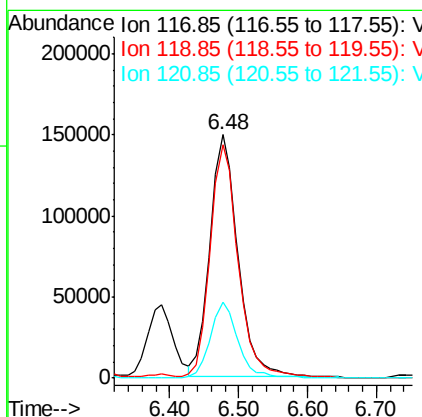
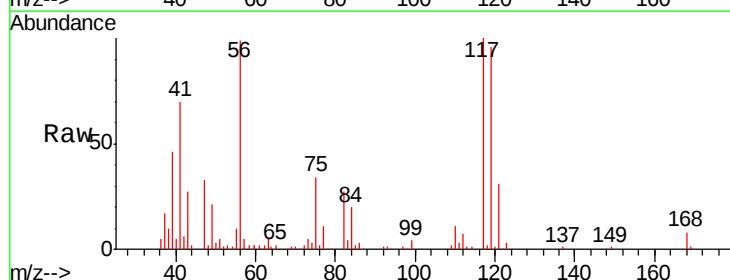
Manual Integrations
 APPROVED

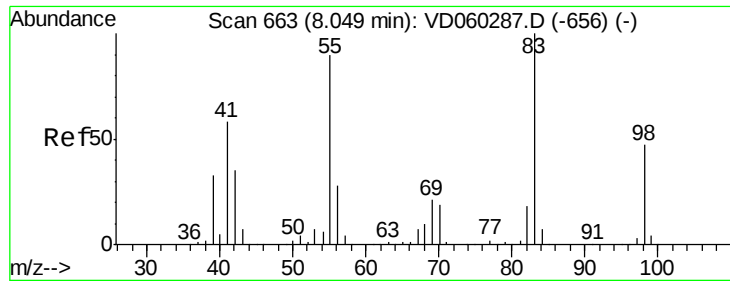
apatel
 11/15/2018 1:02:26 PM



#38
Carbon Tetrachloride
 Concen: 21.08 ug/l
 RT: 6.48 min Scan# 503
 Delta R.T. -0.04 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	115.0
121	30.9	24.3	36.5





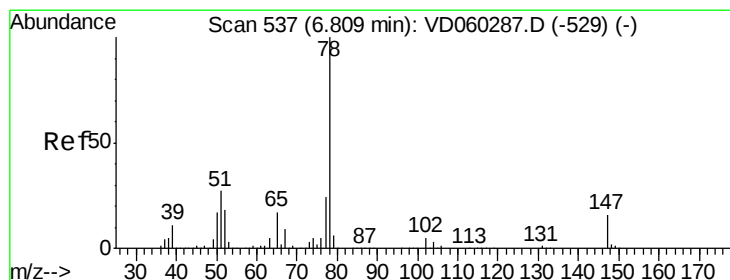
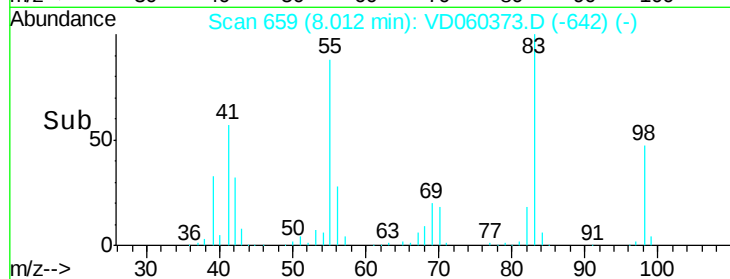
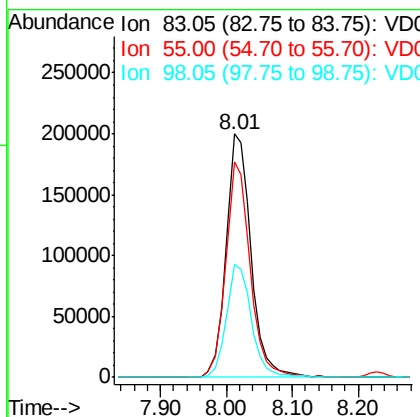
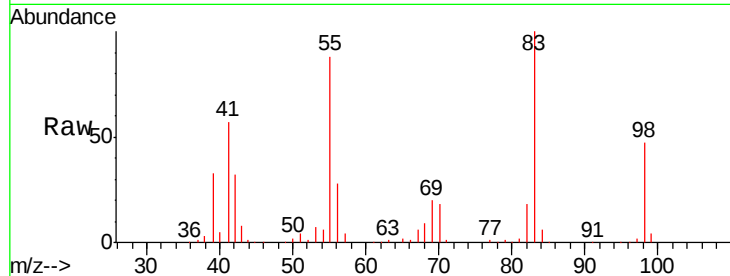
#39
Methylcyclohexane
Concen: 21.27 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.3	71.2	106.8
98	46.7	38.4	57.6

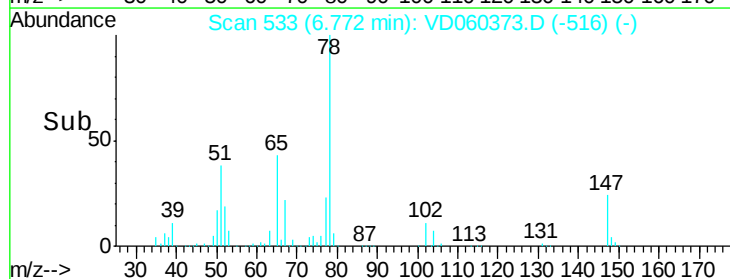
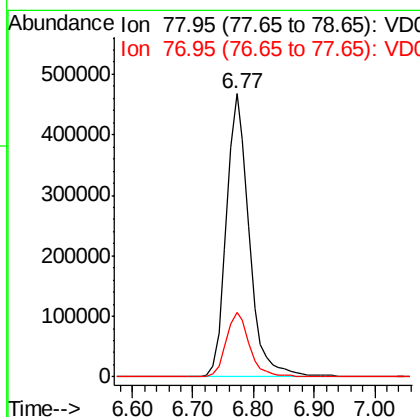
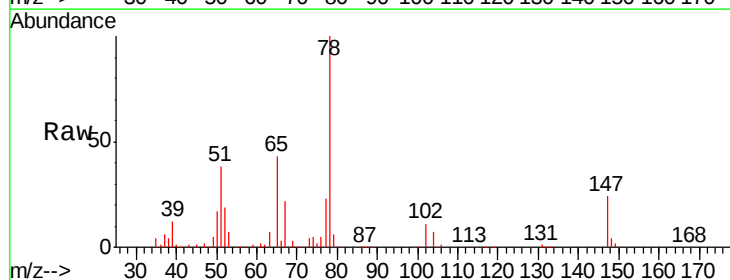
Manual Integrations
APPROVED

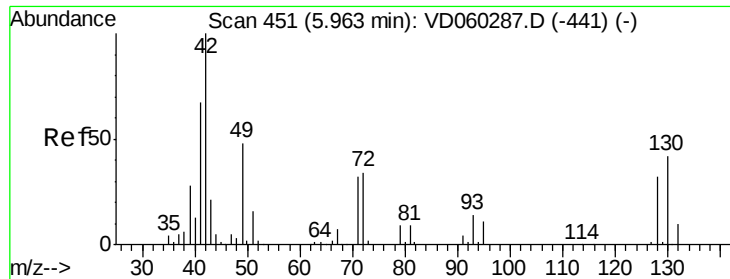
apatel
11/15/2018 1:02:26 PM



#40
Benzene
Concen: 22.07 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





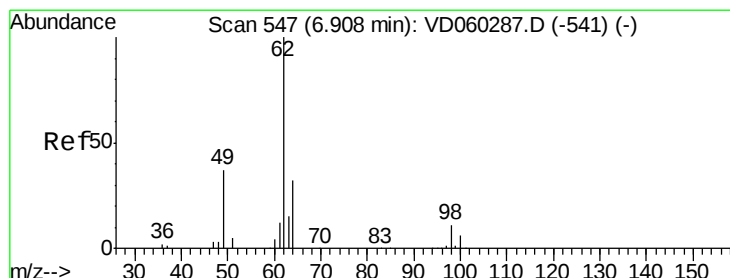
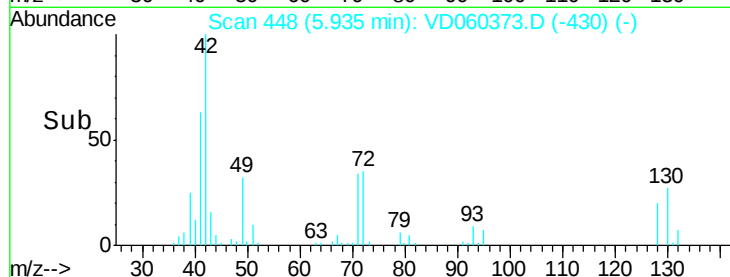
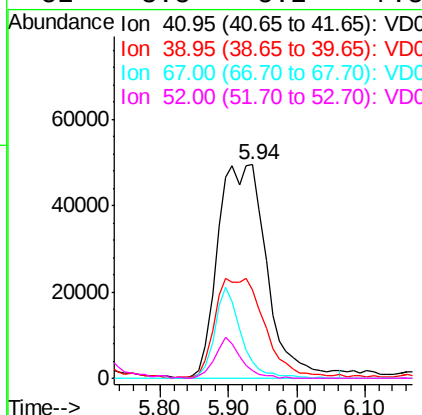
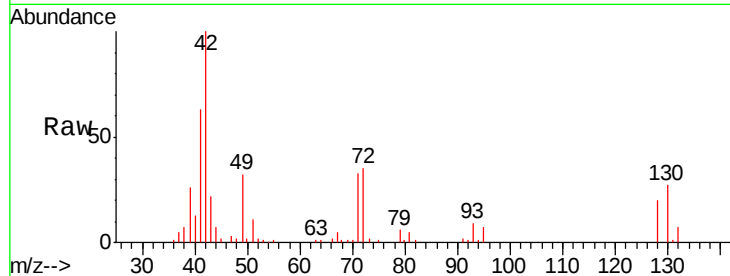
#41
Methacrylonitrile
Concen: 21.68 ug/l m
RT: 5.94 min Scan# 448
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	41.5	36.2	54.2
67	7.5	11.9	17.9
52	3.8	5.2	7.8

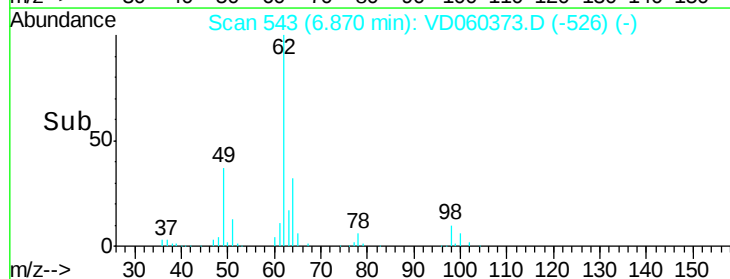
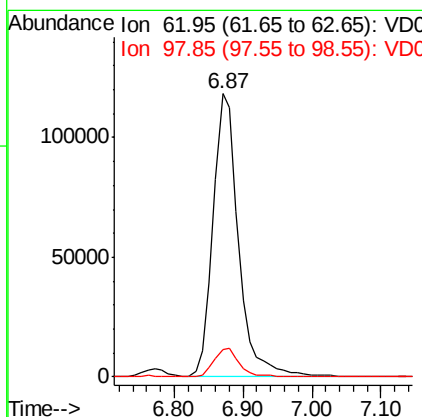
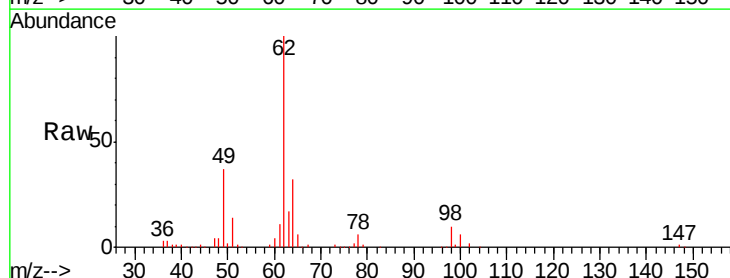
Manual Integrations
APPROVED

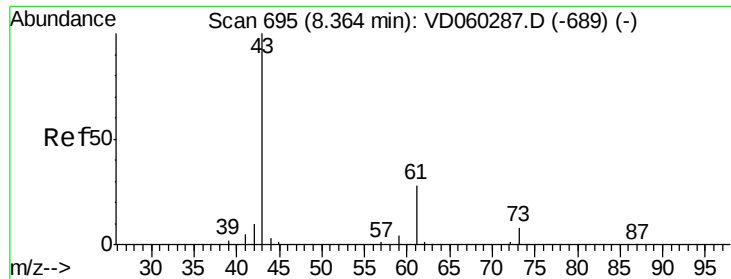
apatel
11/15/2018 1:02:26 PM



#42
1,2-Dichloroethane
Concen: 20.77 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	22.0





#43

Isopropyl Acetate

Concen: 20.59 ug/l

RT: 8.33 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

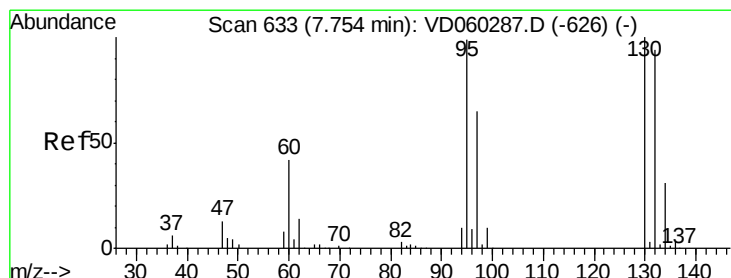
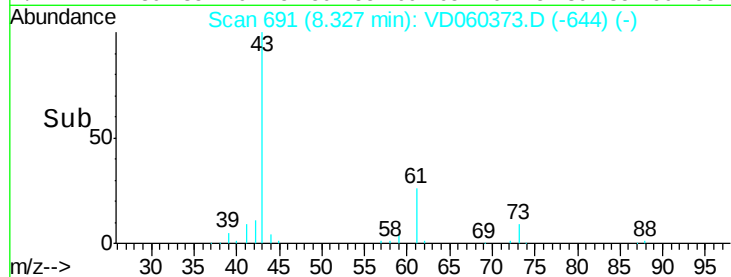
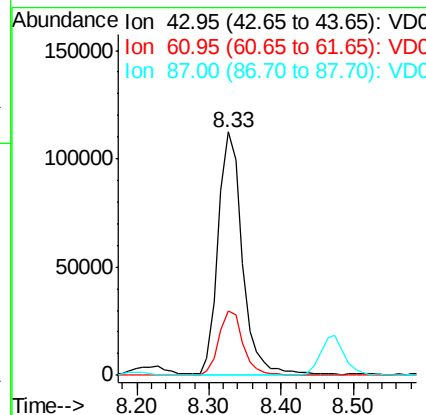
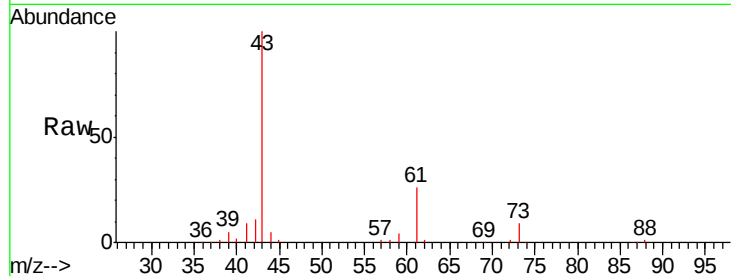
ClientSampleId :

VD1114SBSD01

Tgt Ion:	43	Resp:	258683
Ion Ratio	Lower	Upper	
43	100		
61	26.2	22.3	33.5
87	0.4	0.2	0.2#

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#44

Trichloroethene

Concen: 21.93 ug/l

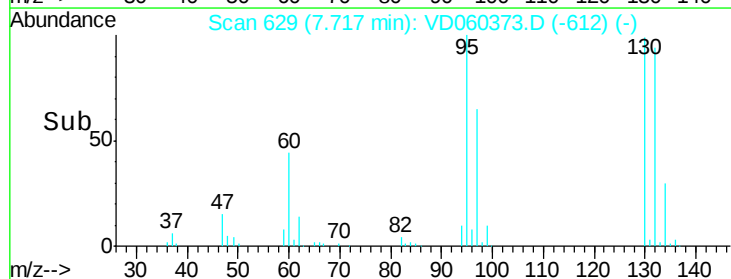
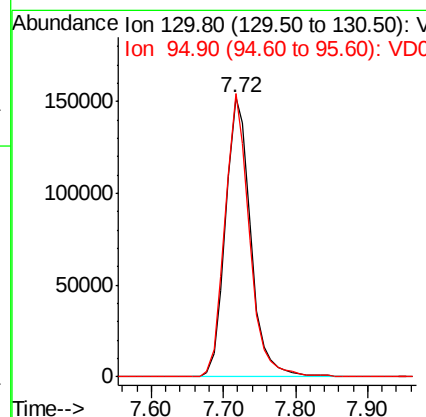
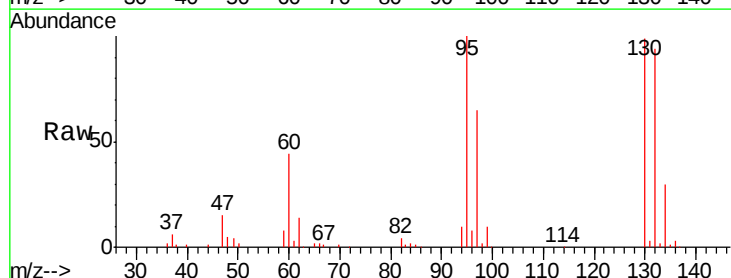
RT: 7.72 min Scan# 629

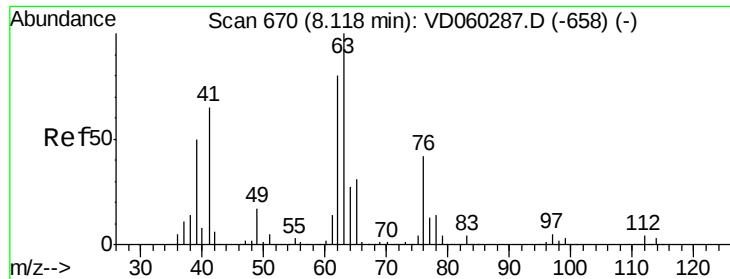
Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion:	130	Resp:	368827
Ion Ratio	Lower	Upper	
130	100		
95	101.3	0.0	200.0





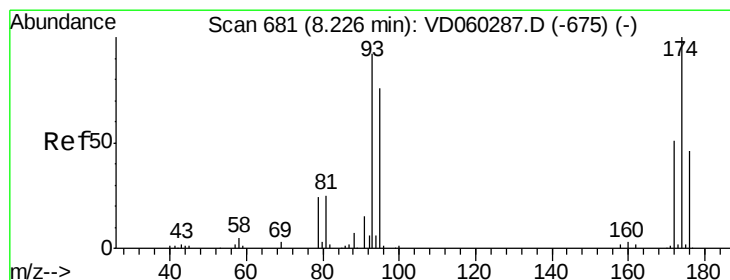
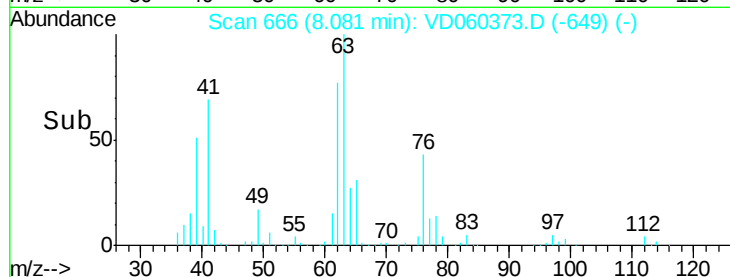
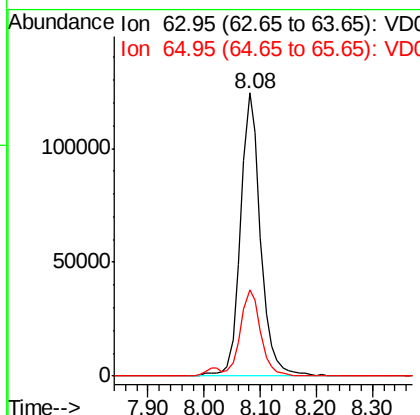
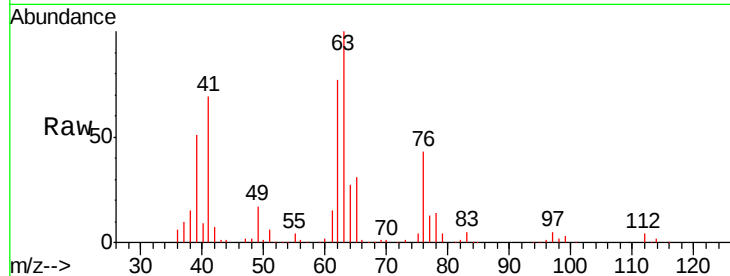
#45
 1,2-Dichloropropane
 Concen: 22.09 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. -0.04 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tgt Ion: 63 Resp: 309116
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.4 35.2

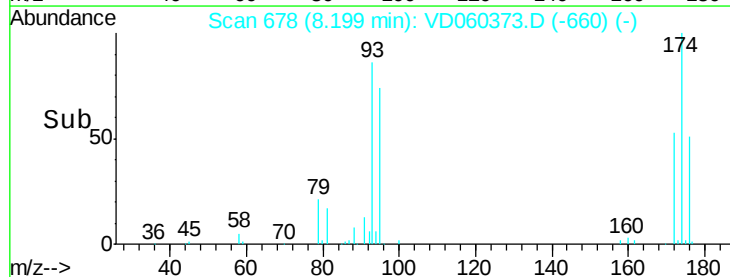
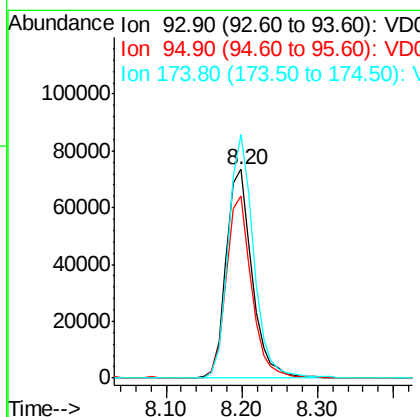
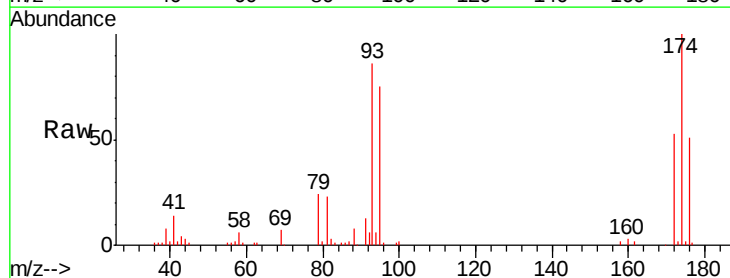
Manual Integrations
 APPROVED

apatel
 11/15/2018 1:02:26 PM



#46
 Dibromomethane
 Concen: 21.13 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion: 93 Resp: 173157
 Ion Ratio Lower Upper
 93 100
 95 87.2 66.4 99.6
 174 116.8 87.8 131.8





#47

Bromodichloromethane

Concen: 21.74 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

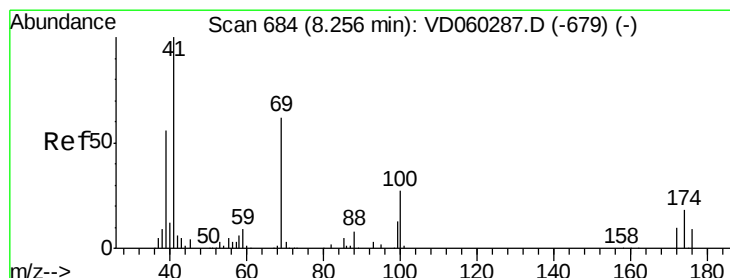
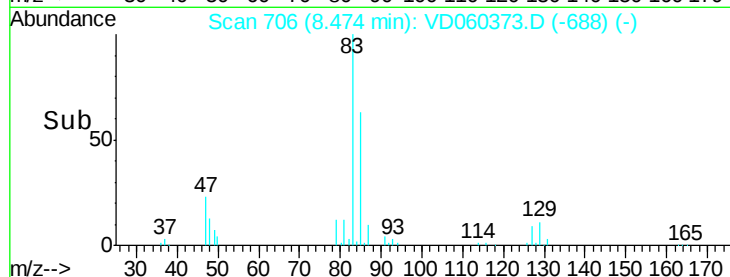
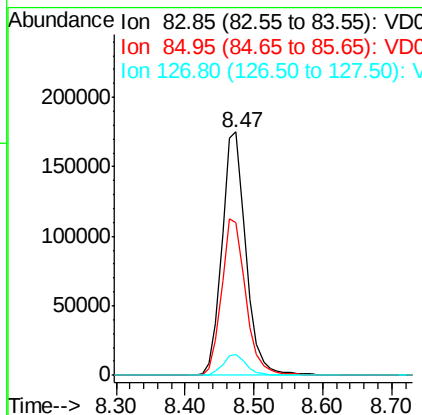
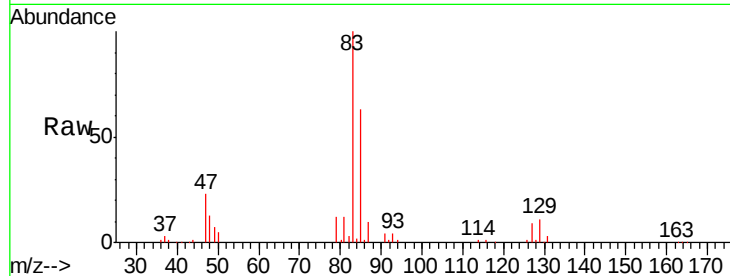
ClientSampleId :

VD1114SBSD01

Tgt Ion:	83	Resp:	419900
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.6
127	8.7	6.2	9.4

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#48

Methyl methacrylate

Concen: 21.37 ug/l

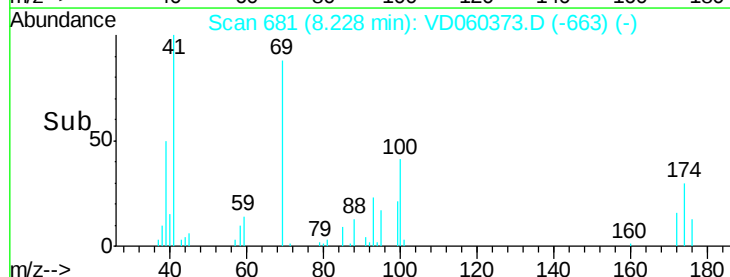
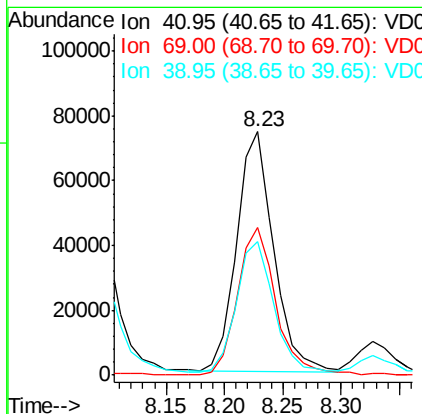
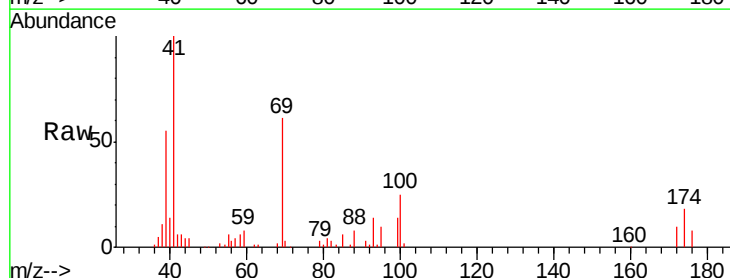
RT: 8.23 min Scan# 681

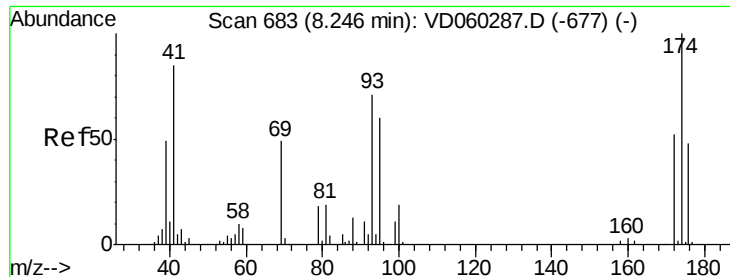
Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion:	41	Resp:	163108
Ion	Ratio	Lower	Upper
41	100		
69	60.7	47.0	70.4
39	54.7	46.2	69.4





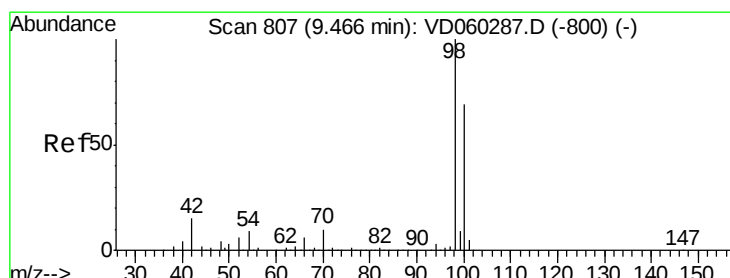
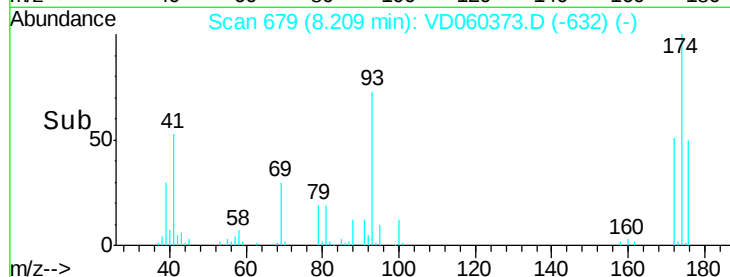
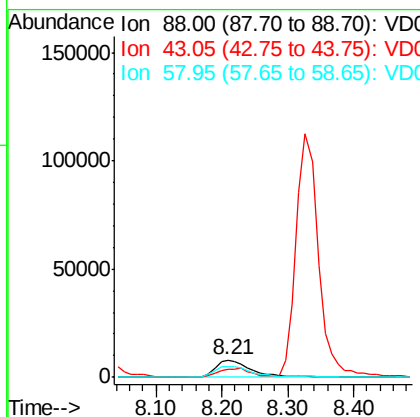
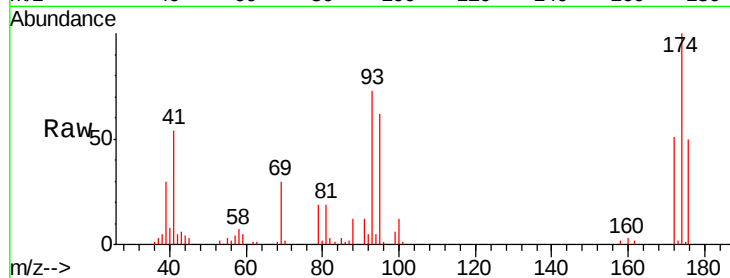
#49
1,4-Dioxane
Concen: 455.79 ug/l
RT: 8.21 min Scan# 679
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	30100		
43	47.1	39.7	59.5	
58	59.7	60.2	90.2	

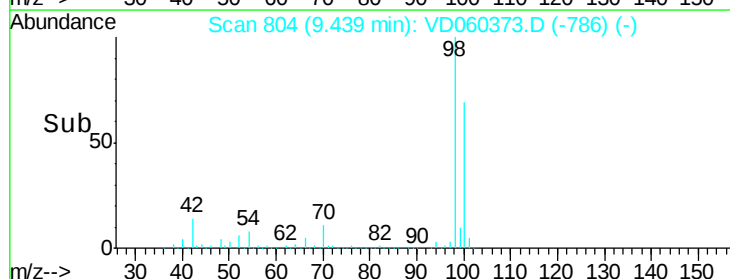
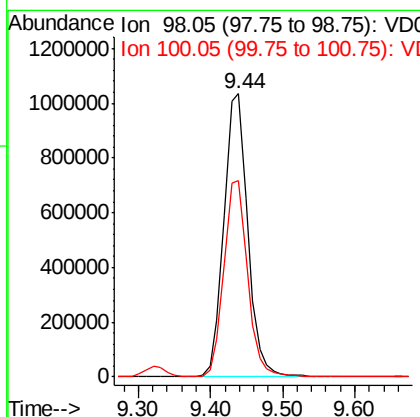
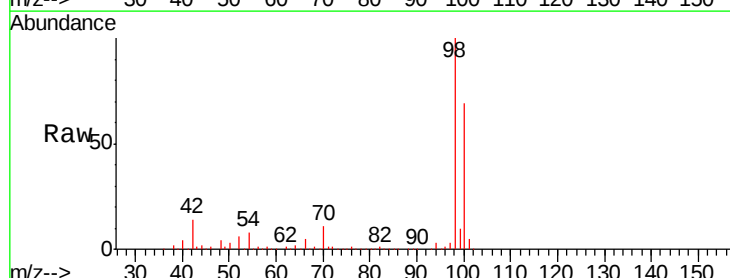
Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#50
Toluene-d8
Concen: 455.79 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2375669		
100	69.2	55.2	82.8	





#51

4-Methyl-2-Pentanone

Concen: 106.13 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion: 43 Resp: 867977

Ion Ratio Lower Upper

43 100

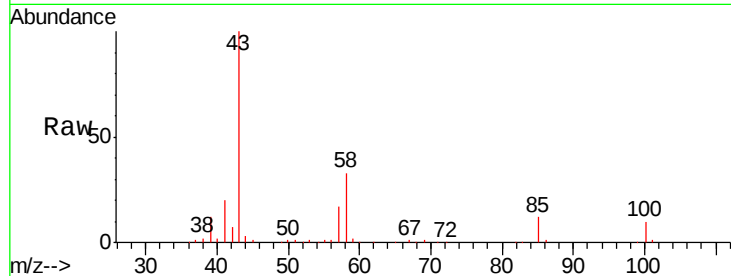
58 33.1 26.1 39.1

Manual Integrations

APPROVED

apatel

11/15/2018 1:02:26 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

400000

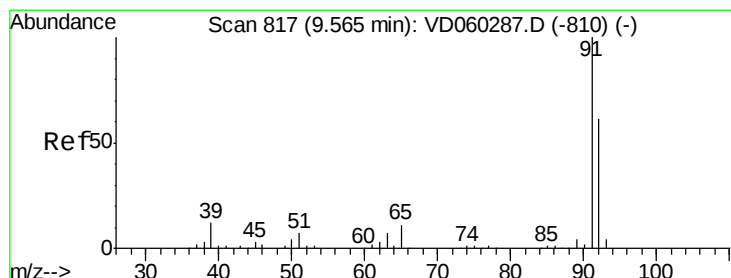
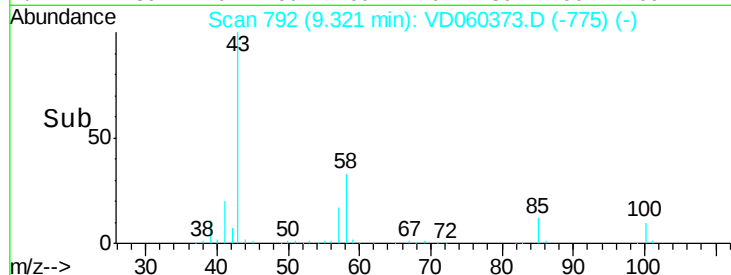
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.95 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD060373.D

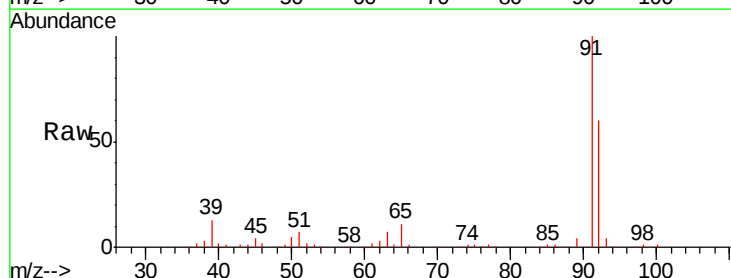
Acq: 14 Nov 2018 12:20

Tgt Ion: 92 Resp: 778116

Ion Ratio Lower Upper

92 100

91 167.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

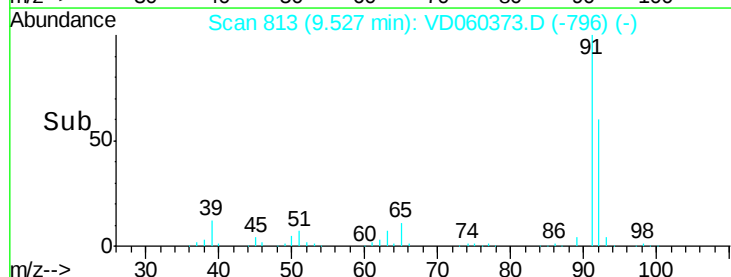
600000

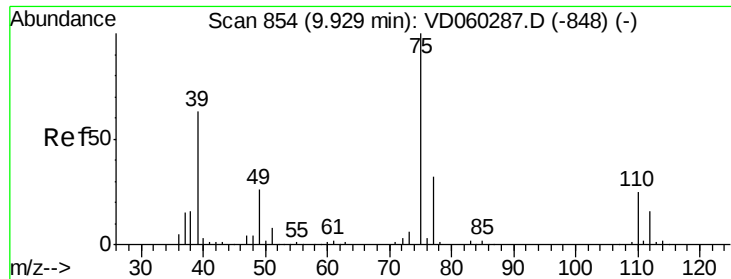
400000

200000

0

Time-->





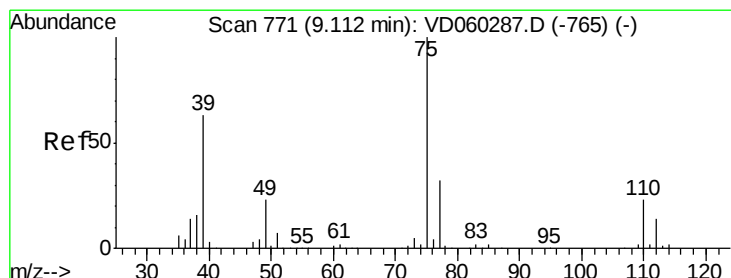
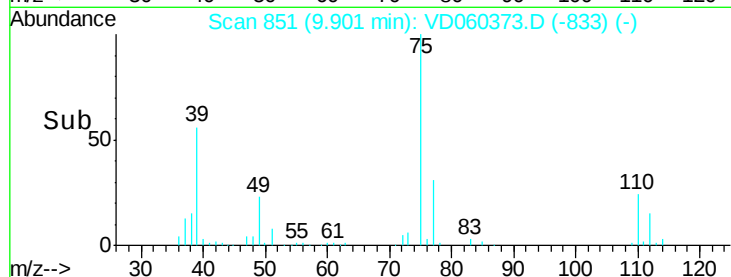
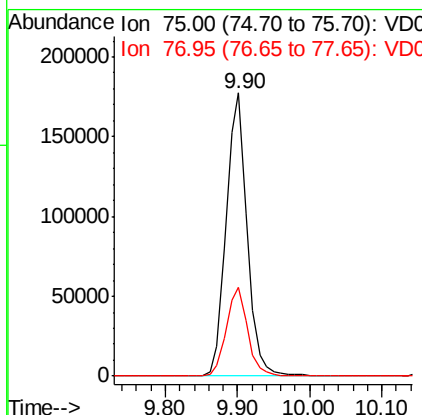
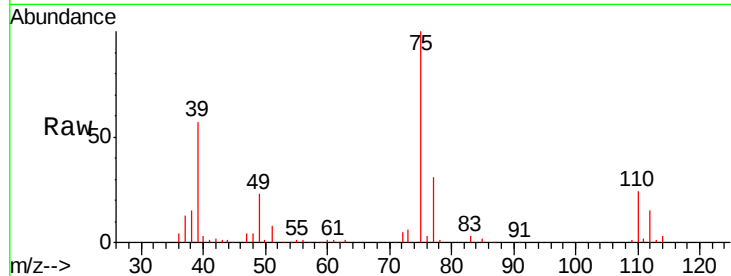
#53
 t-1,3-Dichloropropene
 Concen: 21.84 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tgt Ion: 75 Resp: 356398
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8

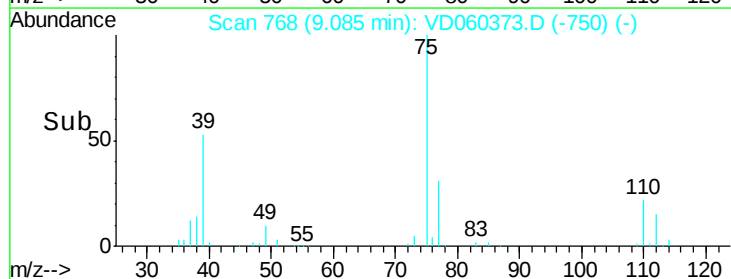
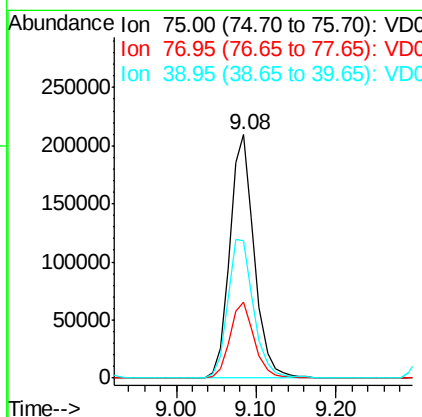
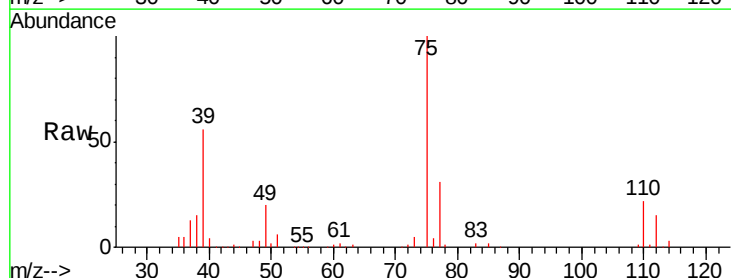
Manual Integrations
 APPROVED

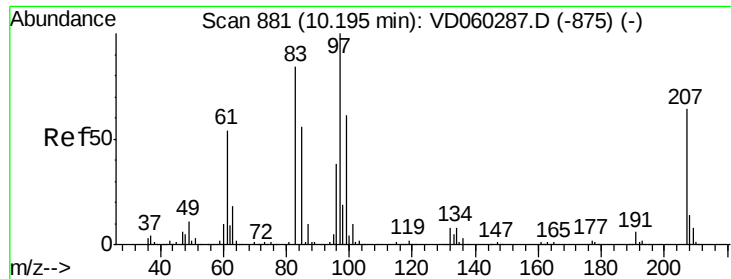
apatel
 11/15/2018 1:02:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.53 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion: 75 Resp: 450696
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.3 39.5
 39 56.3 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 21.23 ug/l

RT: 10.16 min Scan# 877

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

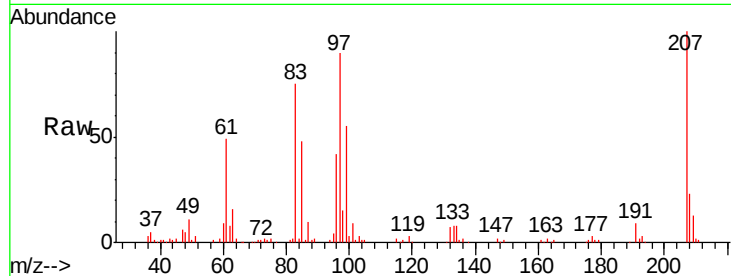
ClientSampleId :

VD1114SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	218164		
83	83.6	68.4	102.6	
85	53.6	46.8	70.2	
99	61.2	49.5	74.3	

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



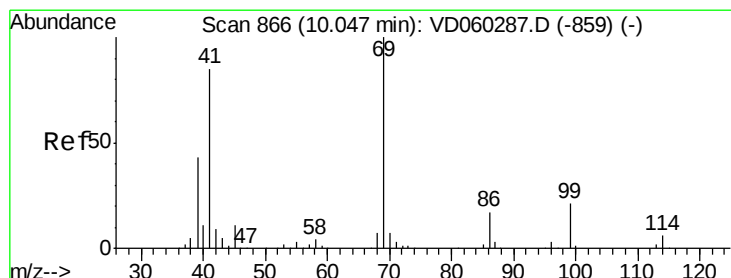
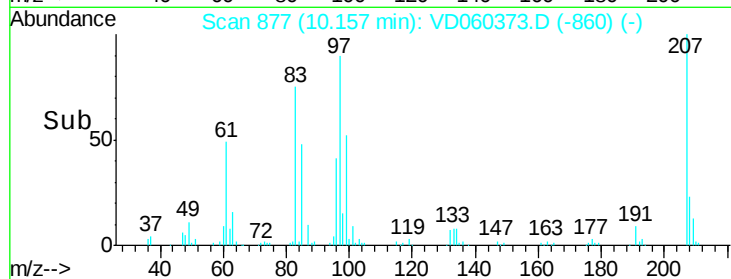
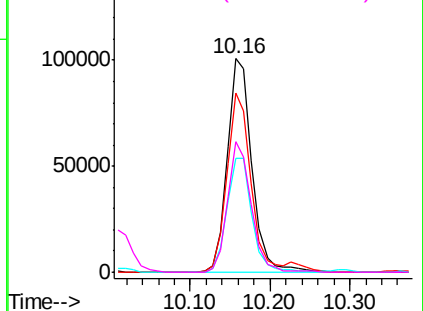
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.20 ug/l

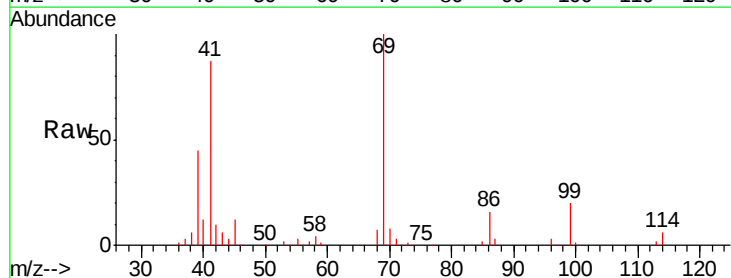
RT: 10.01 min Scan# 862

Delta R.T. -0.04 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	200219		
41	86.6	69.0	103.4	
39	45.3	36.6	54.8	

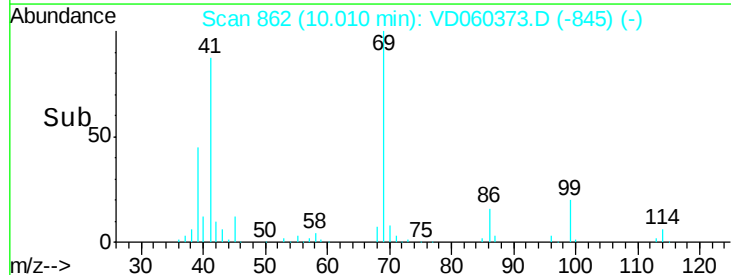
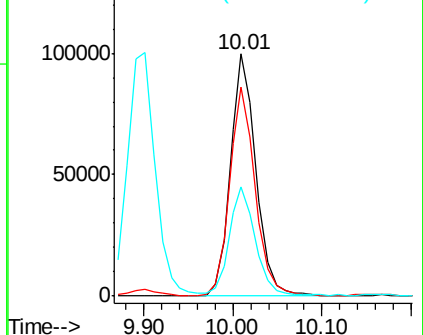


Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





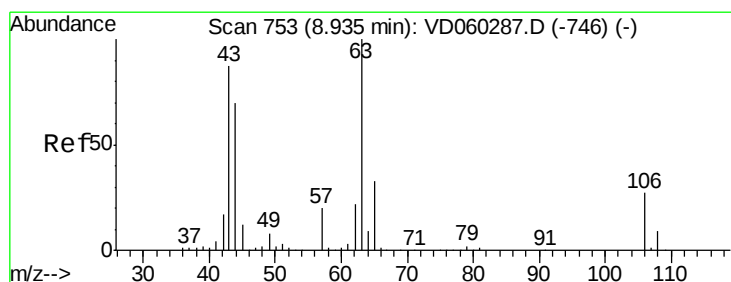
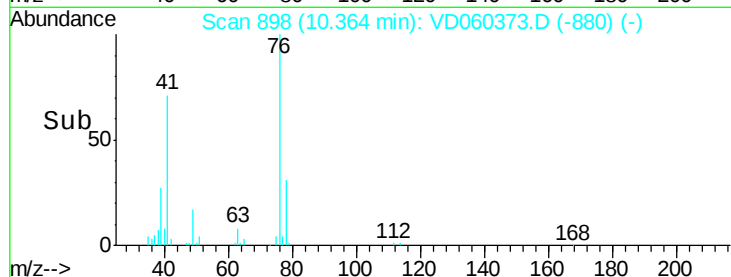
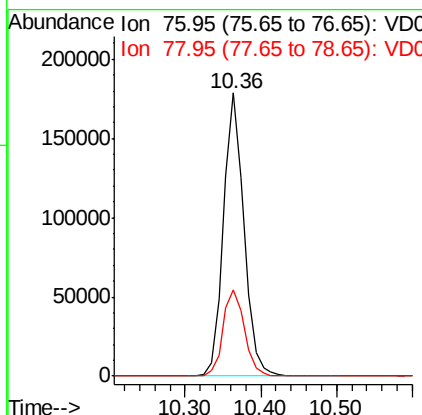
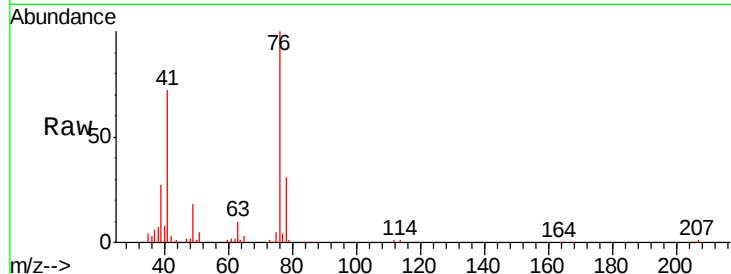
#57
 1,3-Dichloropropane
 Concen: 21.40 ug/l
 RT: 10.36 min Scan# 898
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tgt Ion: 76 Resp: 335061
 Ion Ratio Lower Upper
 76 100
 78 30.7 25.9 38.9

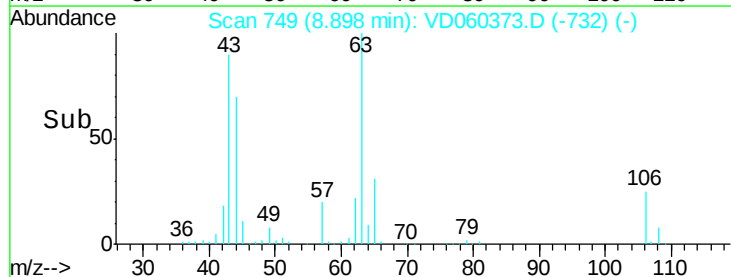
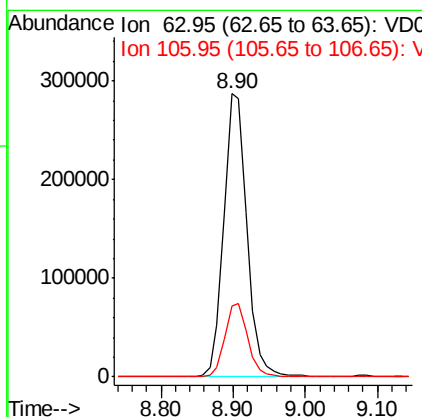
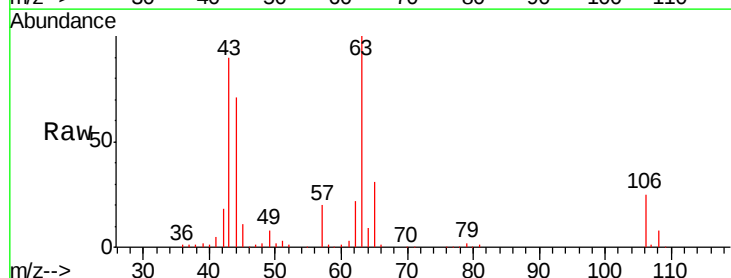
Manual Integrations
 APPROVED

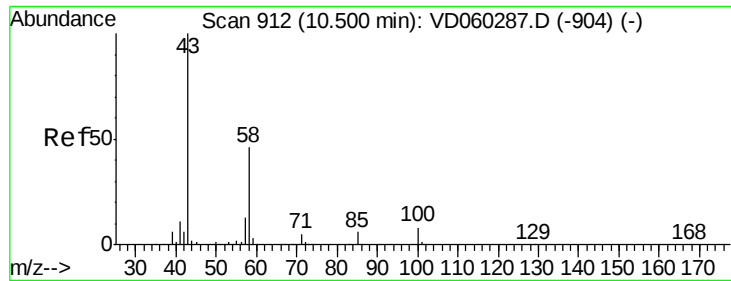
apatel
 11/15/2018 1:02:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.94 ug/l
 RT: 8.90 min Scan# 749
 Delta R.T. -0.04 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion: 63 Resp: 639380
 Ion Ratio Lower Upper
 63 100
 106 24.9 21.5 32.3





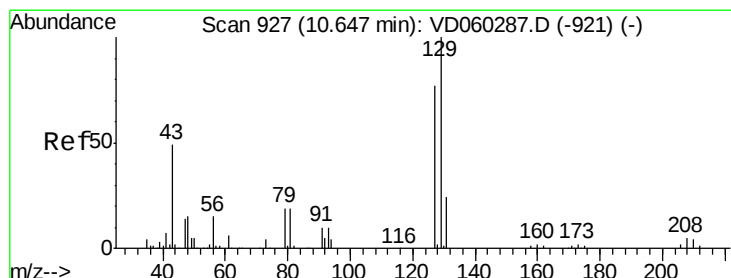
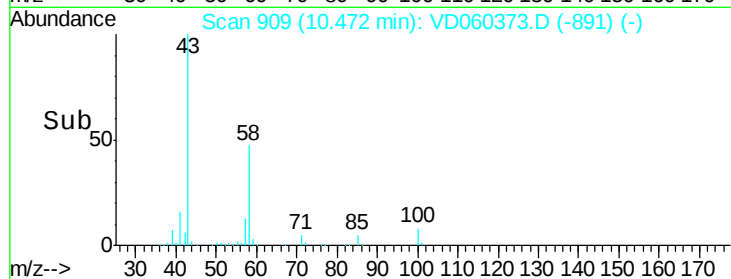
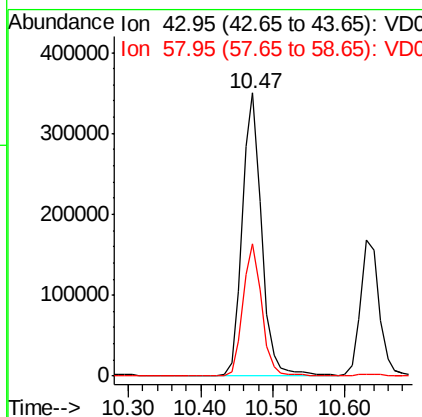
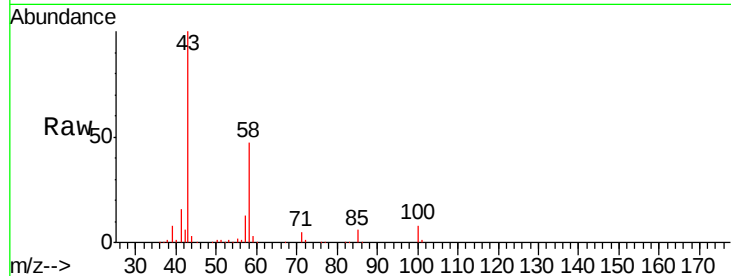
#59
2-Hexanone
Concen: 112.94 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion: 43 Resp: 658360
Ion Ratio Lower Upper
43 100
58 46.6 22.9 68.5

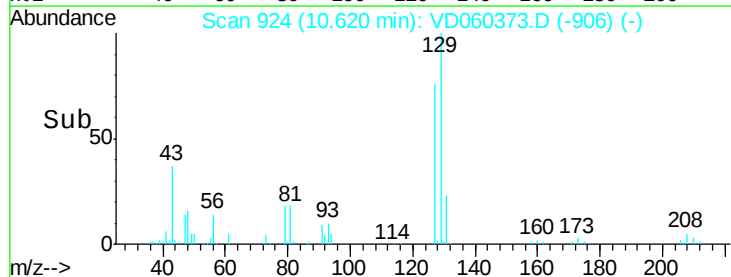
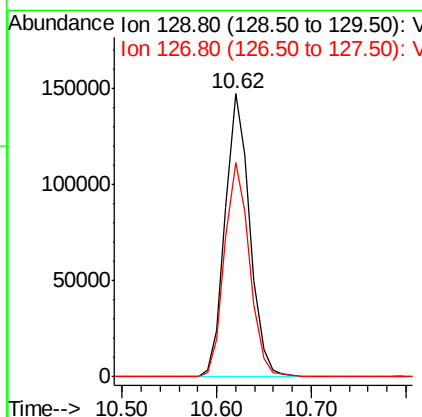
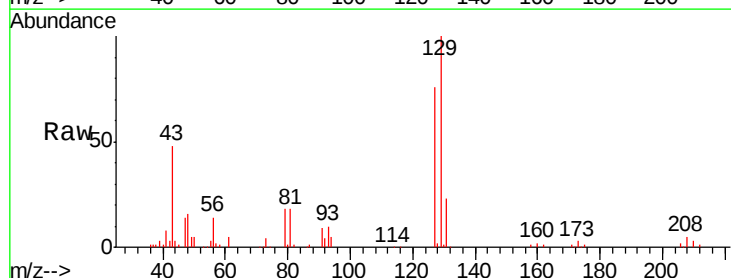
Manual Integrations
APPROVED

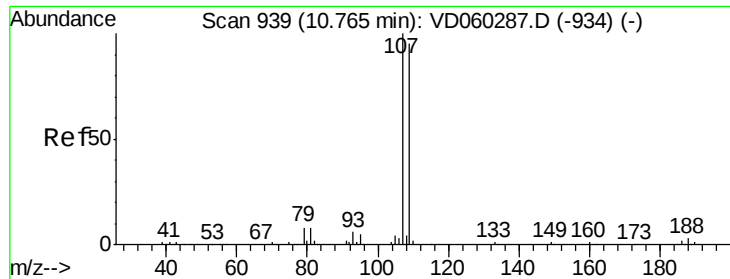
apatel
11/15/2018 1:02:26 PM



#60
Dibromochloromethane
Concen: 21.30 ug/l
RT: 10.62 min Scan# 924
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion: 129 Resp: 266051
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 21.32 ug/l

RT: 10.74 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion: 107 Resp: 219445

Ion Ratio Lower Upper

107 100

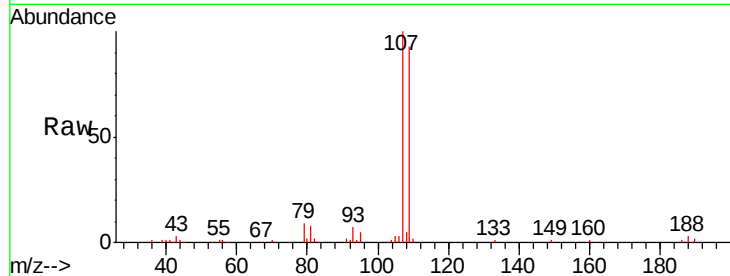
109 93.3 75.7 113.5

Manual Integrations

APPROVED

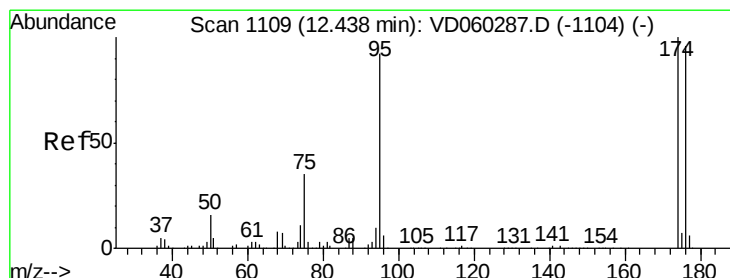
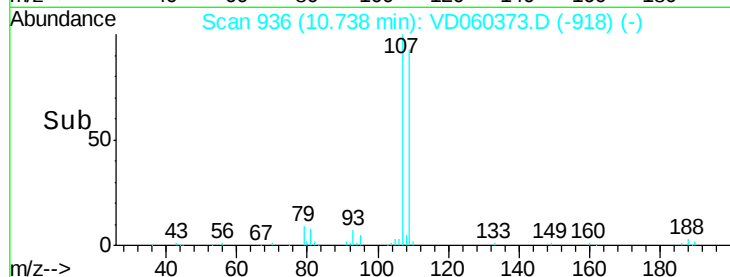
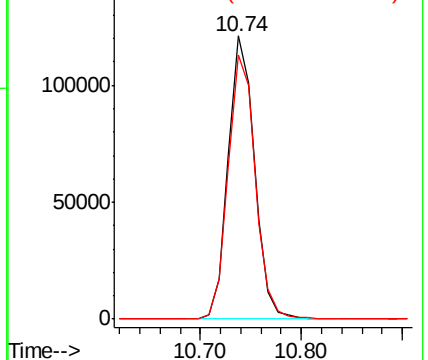
apatel

11/15/2018 1:02:26 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.32 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

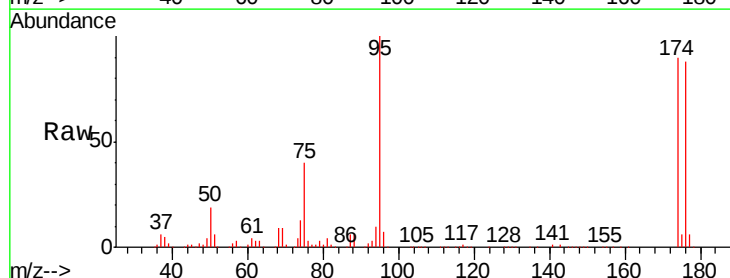
Tgt Ion: 95 Resp: 844848

Ion Ratio Lower Upper

95 100

174 90.1 0.0 160.8

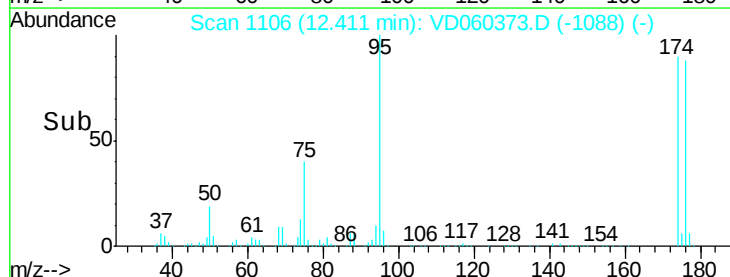
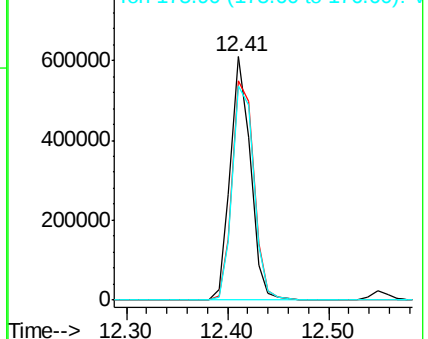
176 88.2 0.0 154.6

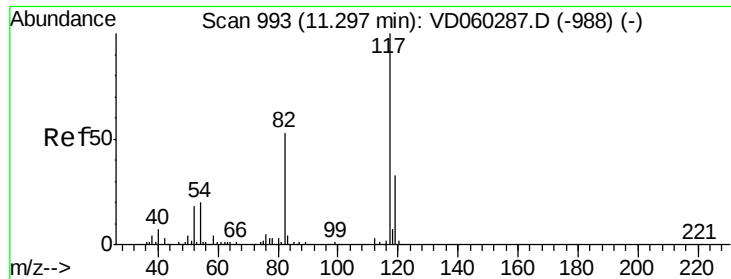


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





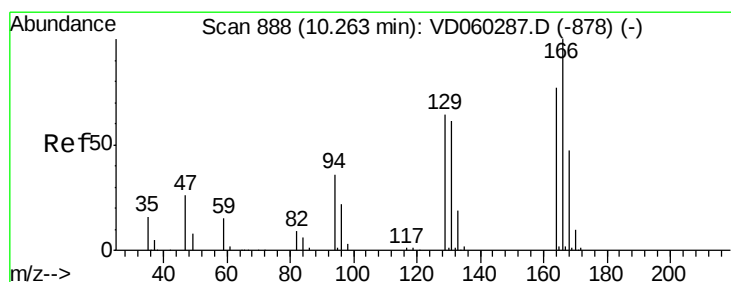
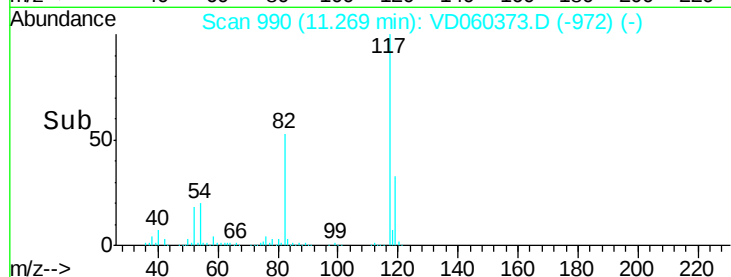
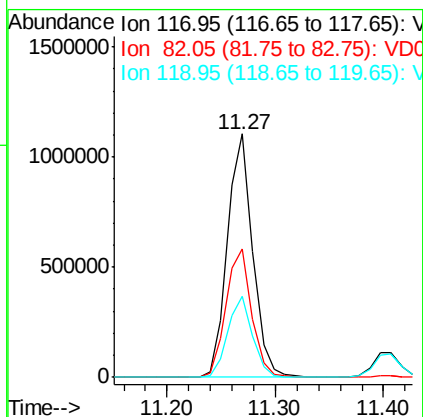
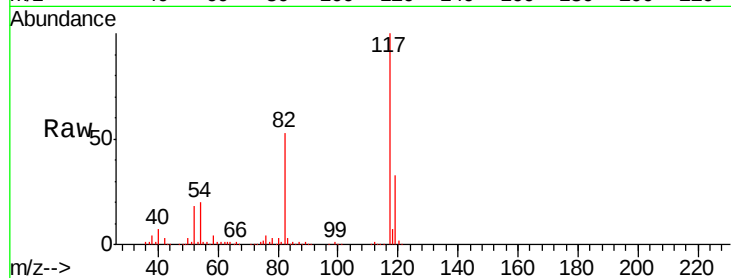
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion:117 Resp: 1797118
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 33.1 26.1 39.1

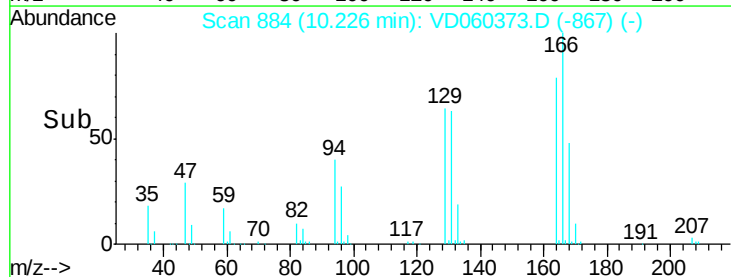
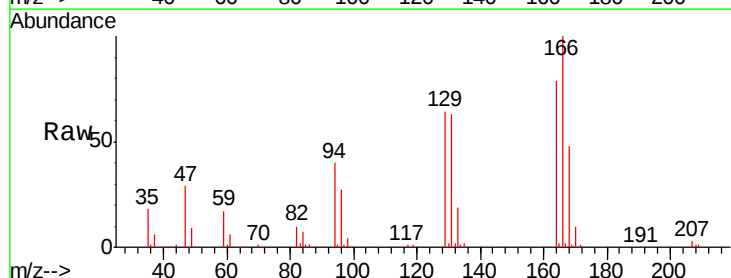
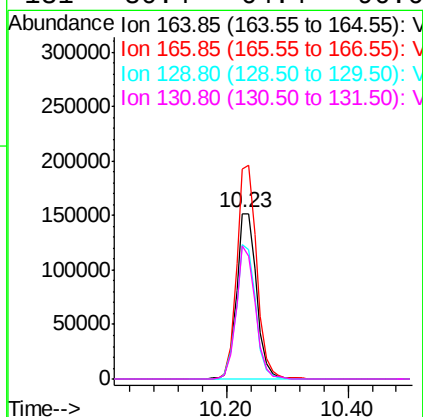
Manual Integrations
APPROVED

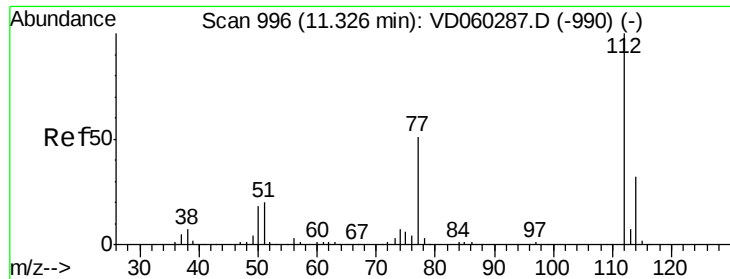
apatel
11/15/2018 1:02:26 PM



#64
Tetrachloroethene
Concen: 21.56 ug/l
RT: 10.23 min Scan# 884
Delta R.T. -0.04 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion:164 Resp: 345918
Ion Ratio Lower Upper
164 100
166 126.9 103.7 155.5
129 81.2 65.6 98.4
131 80.4 64.4 96.6





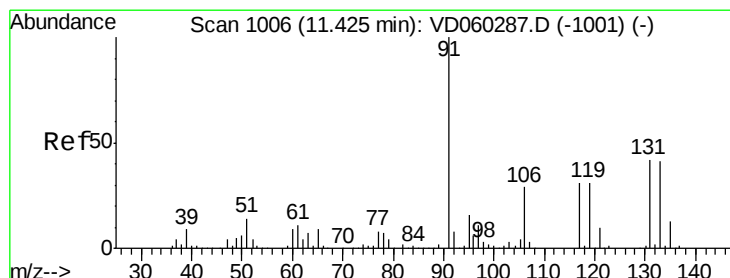
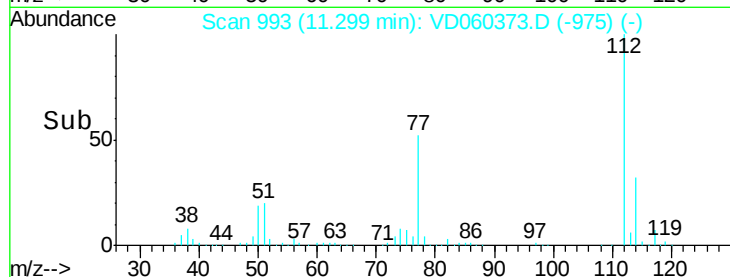
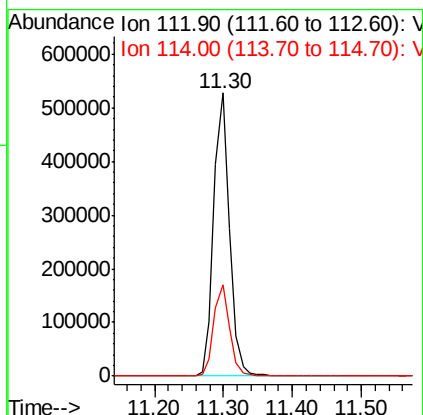
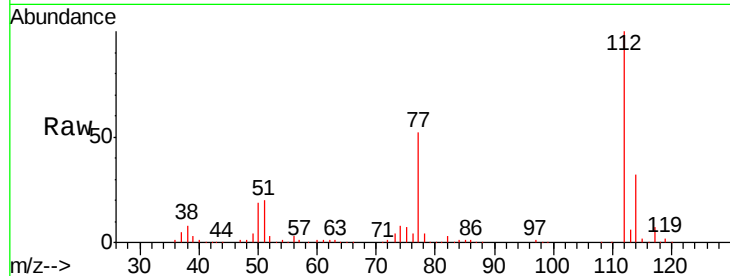
#65
Chlorobenzene
Concen: 21.52 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion:112 Resp: 838114
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

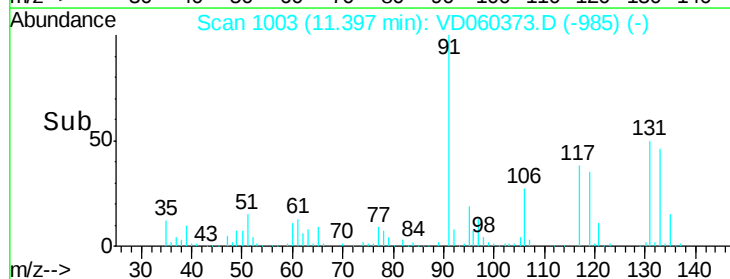
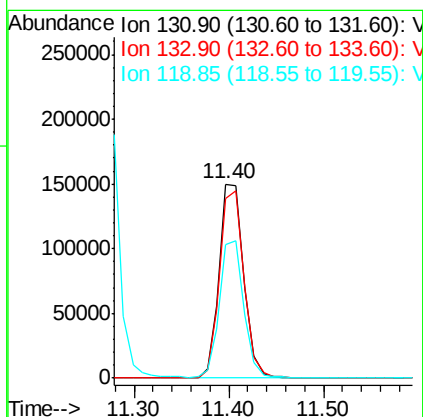
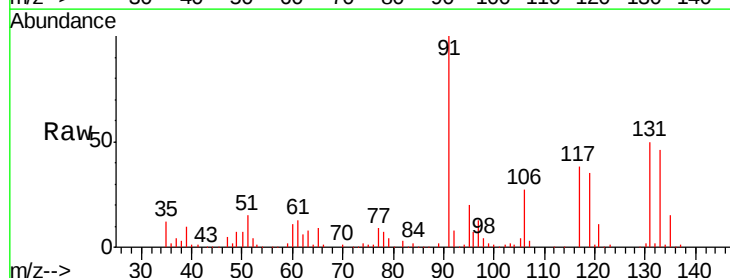
Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.06 ug/l
RT: 11.40 min Scan# 1003
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion:131 Resp: 268351
Ion Ratio Lower Upper
131 100
133 92.3 50.0 150.0
119 69.1 37.0 111.1





#67

Ethyl Benzene

Concen: 20.92 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion: 91 Resp: 1393368

Ion Ratio Lower Upper

91 100

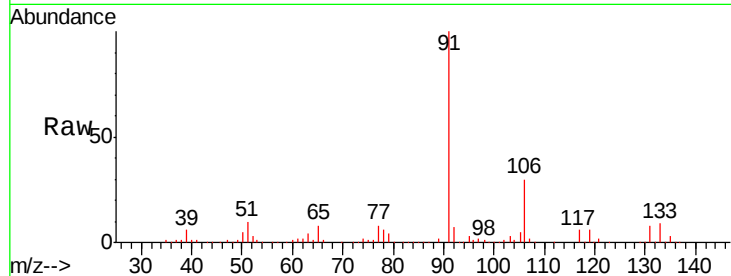
106 29.6 24.6 36.8

Manual Integrations

APPROVED

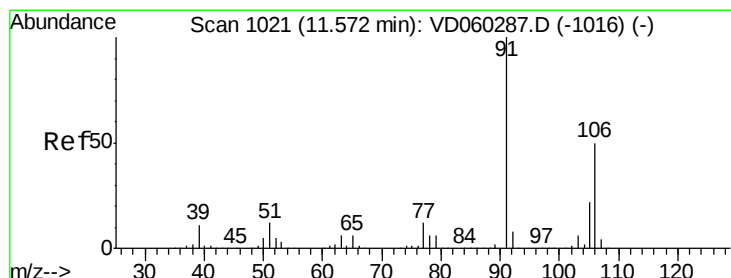
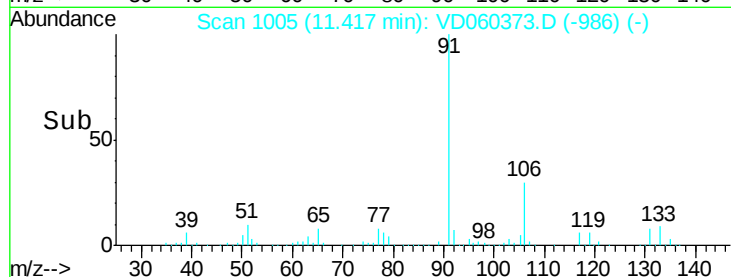
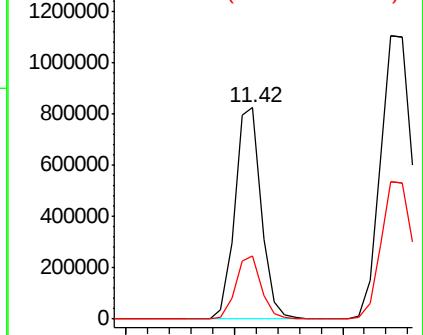
apatel

11/15/2018 1:02:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 43.88 ug/l

RT: 11.54 min Scan# 1018

Delta R.T. -0.03 min

Lab File: VD060373.D

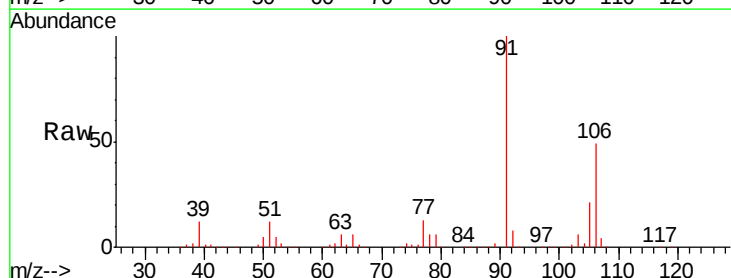
Acq: 14 Nov 2018 12:20

Tgt Ion: 106 Resp: 1078148

Ion Ratio Lower Upper

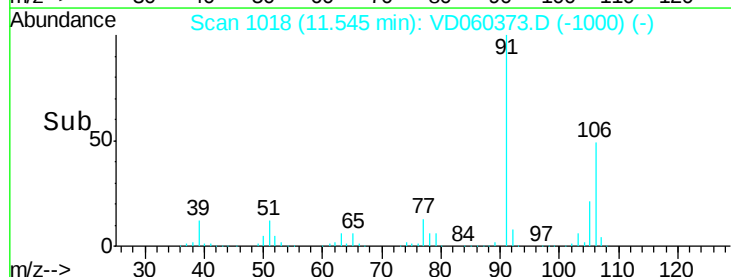
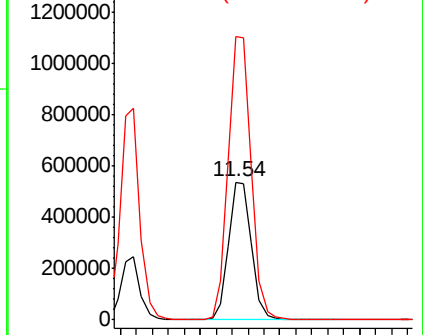
106 100

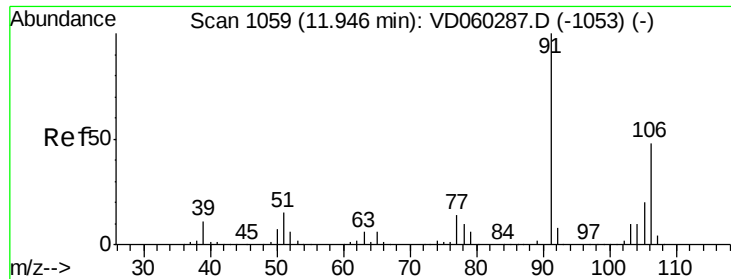
91 205.7 159.4 239.2



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC





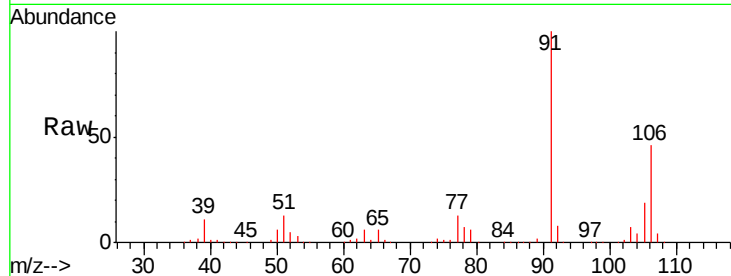
#69
o-Xylene
Concen: 21.07 ug/l
RT: 11.92 min Scan# 1056
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

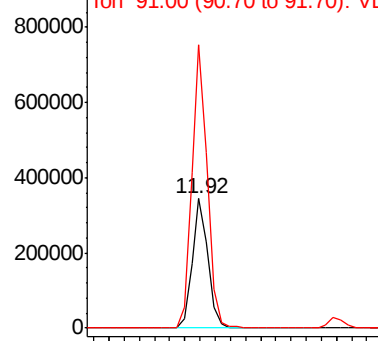
Tgt Ion:106 Resp: 500272
Ion Ratio Lower Upper
106 100
91 218.6 109.2 327.6

Manual Integrations
APPROVED

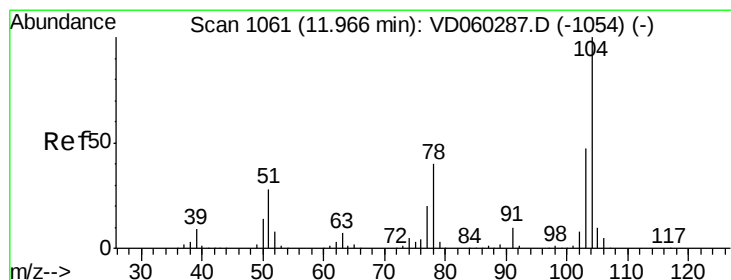
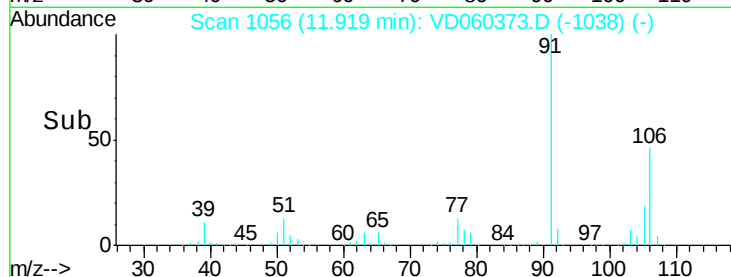
apatel
11/15/2018 1:02:26 PM



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

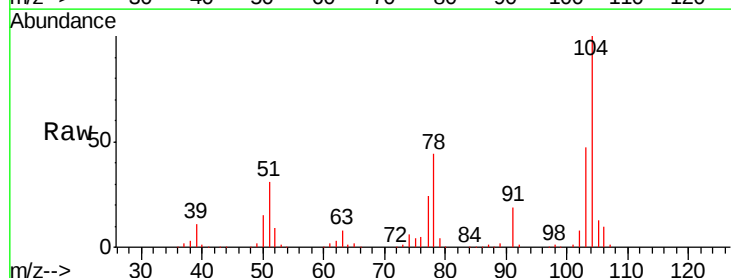


Time-->

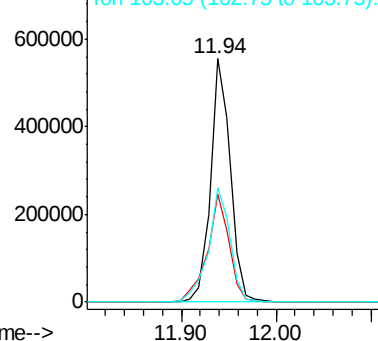


#70
Styrene
Concen: 20.91 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

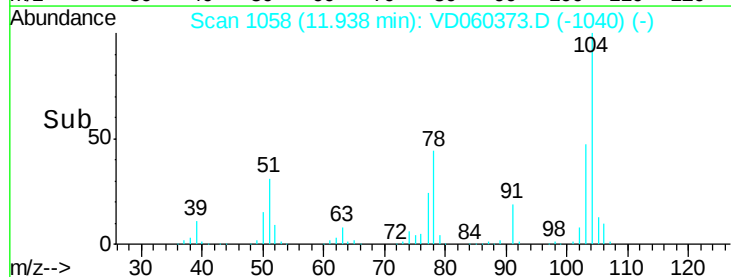
Tgt Ion:104 Resp: 802251
Ion Ratio Lower Upper
104 100
78 44.1 31.6 47.4
103 47.0 37.0 55.6

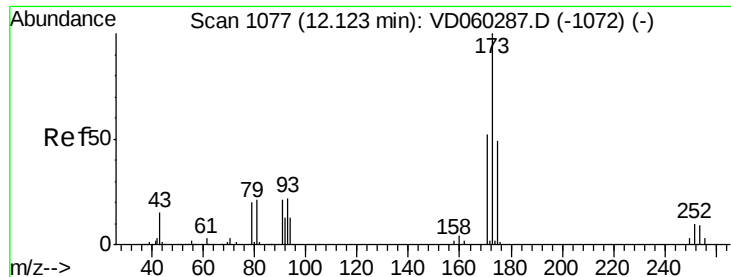


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





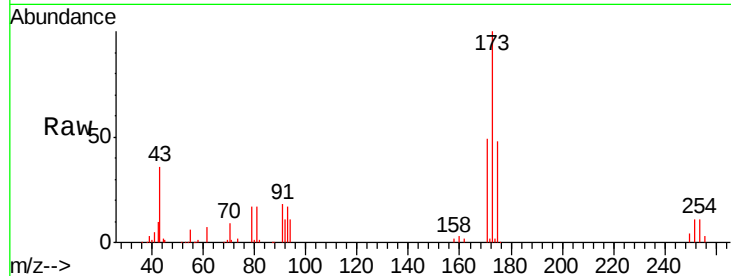
#71
Bromoform
Concen: 20.49 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

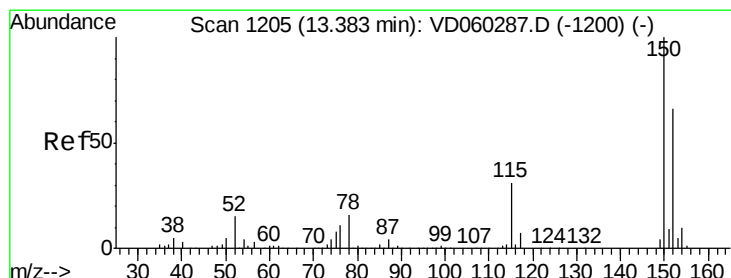
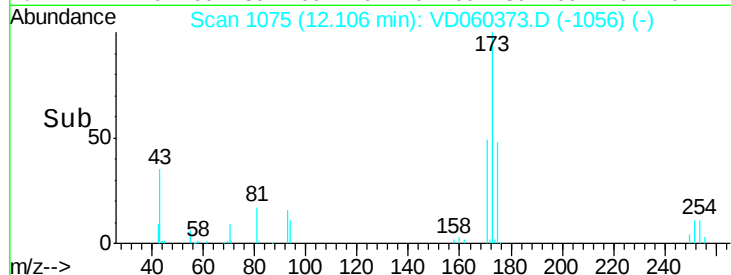
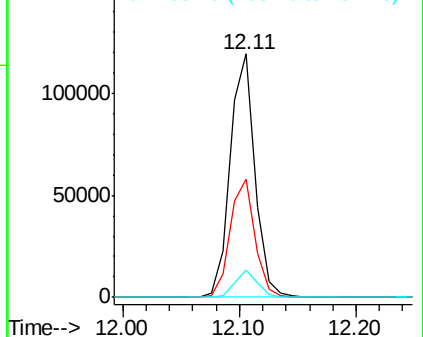
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	11.5	8.3	12.5

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM

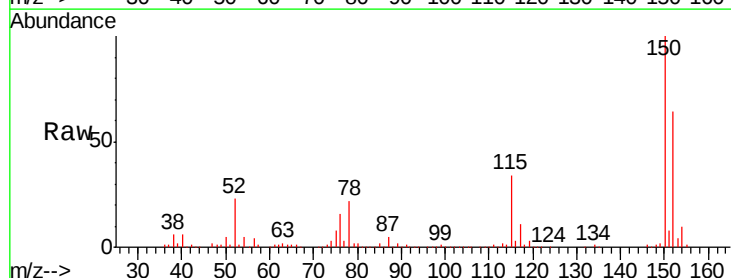


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

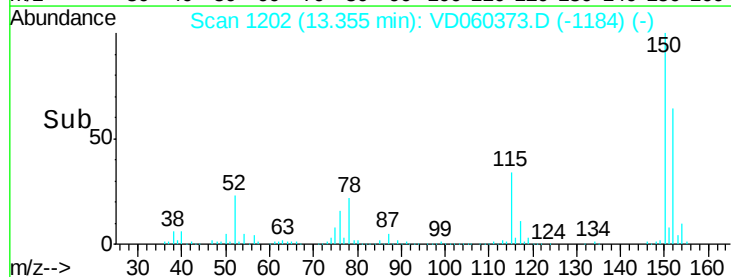
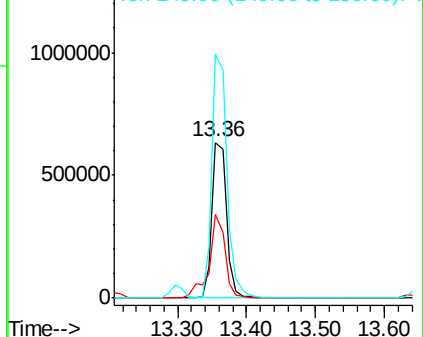


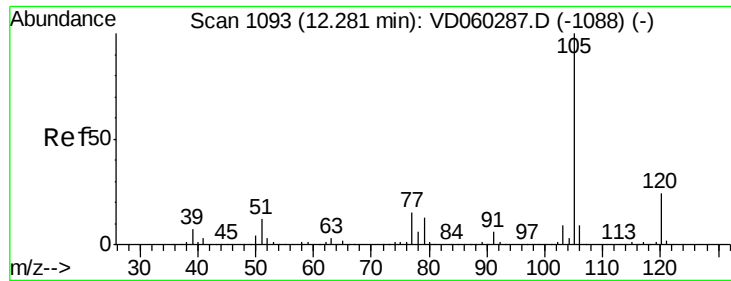
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	24.1	72.3
150	156.4	0.0	310.6



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: 21.03 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 105 Resp: 1429676

Ion Ratio Lower Upper

105 100

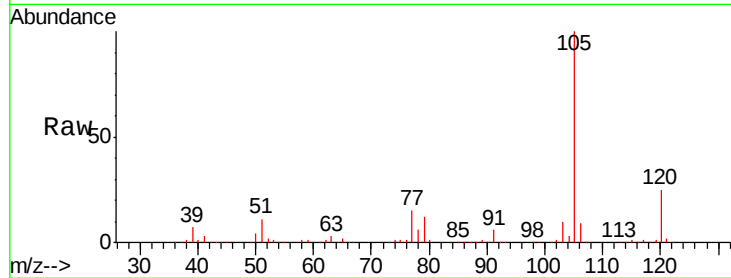
120 25.0 12.1 36.3

Manual Integrations

APPROVED

apatel

11/15/2018 1:02:26 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

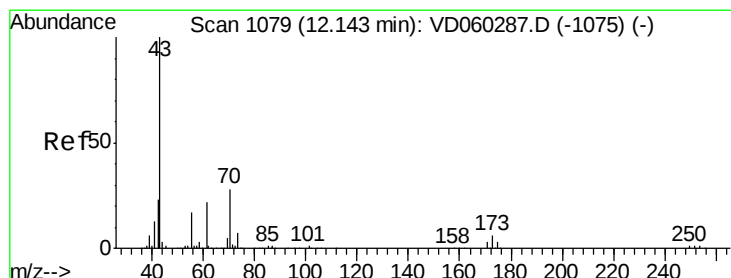
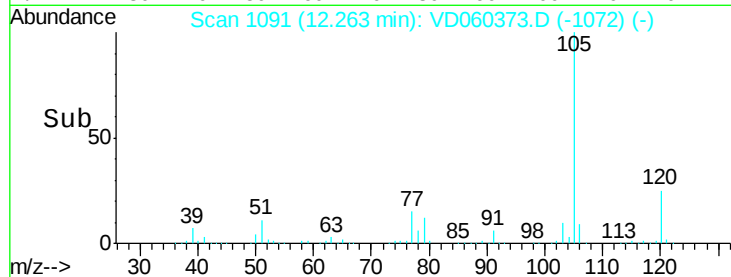
400000

200000

0

12.20 12.26 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 20.52 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion: 43 Resp: 357642

Ion Ratio Lower Upper

43 100

70 29.0 23.0 34.4

55 17.8 14.2 21.4

61 23.0 17.8 26.8

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

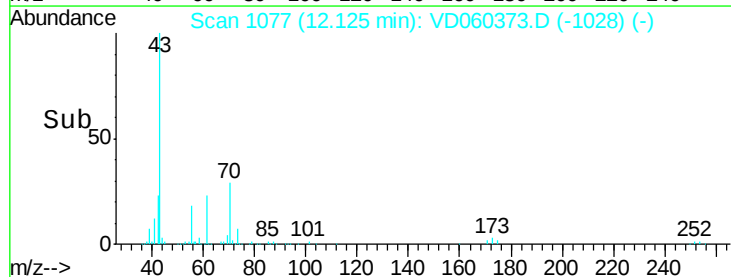
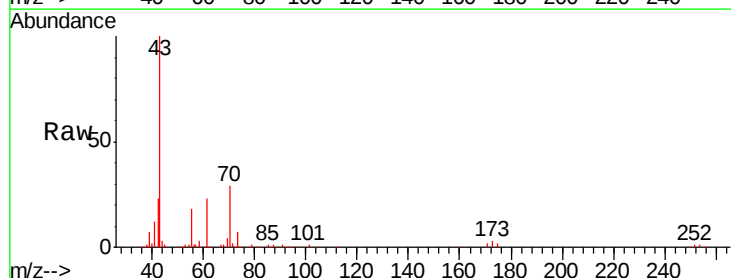
200000

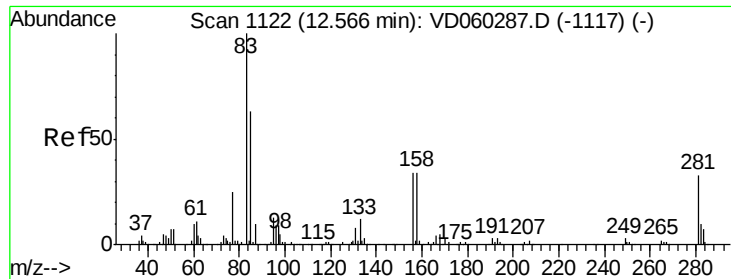
100000

0

12.10 12.13 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.66 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 83 Resp: 229654
Ion Ratio Lower Upper

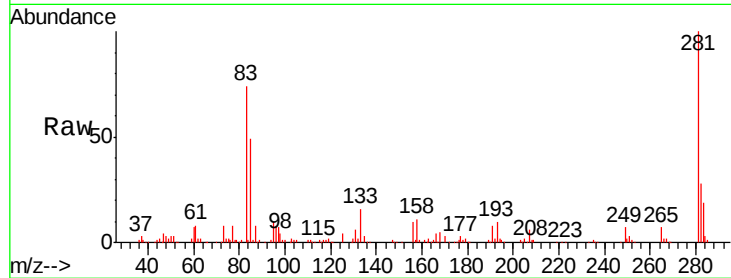
83 100

131 8.4 3.9 11.5

85 66.8 32.0 96.0

Manual Integrations
APPROVED

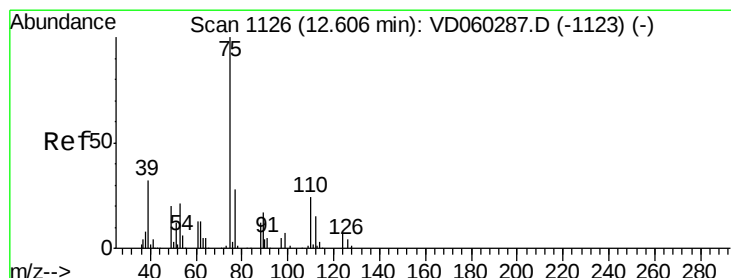
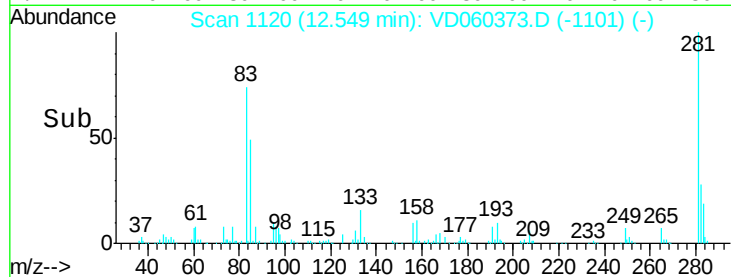
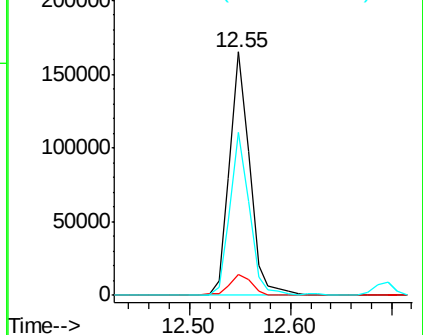
apatel
11/15/2018 1:02:26 PM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.47 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.02 min

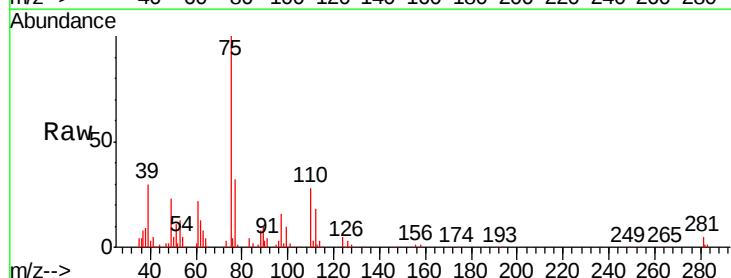
Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion: 75 Resp: 228494
Ion Ratio Lower Upper

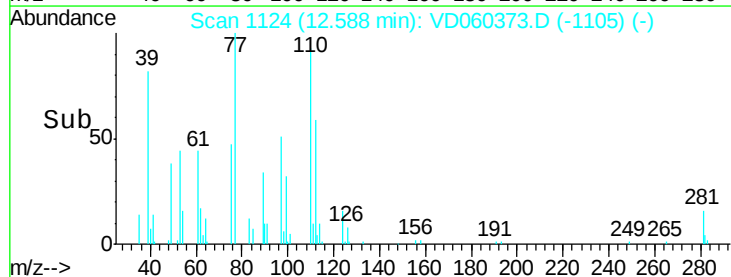
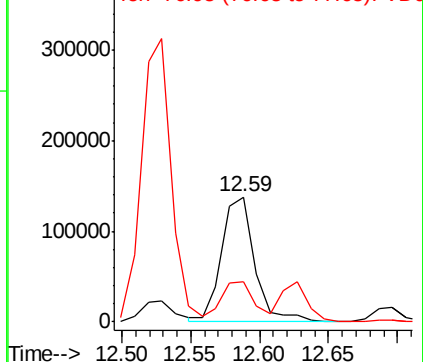
75 100

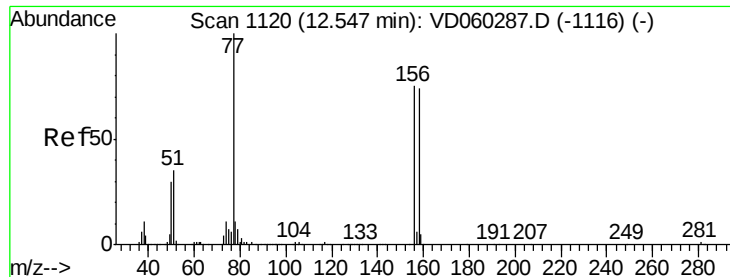
77 32.0 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.00 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

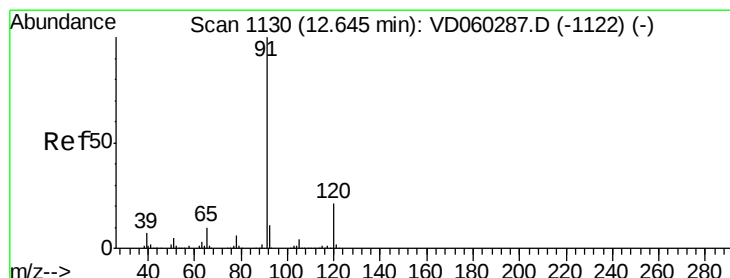
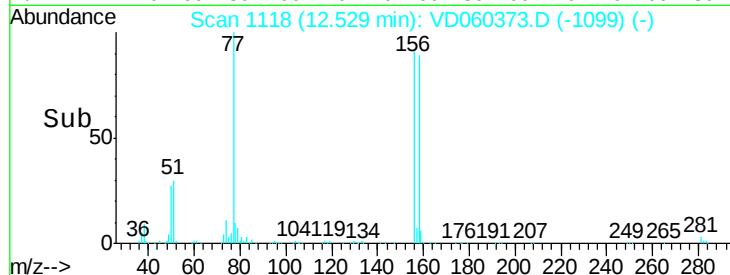
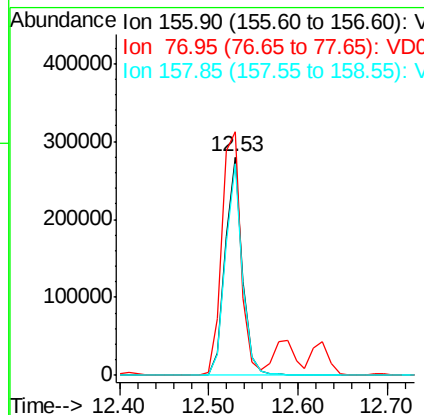
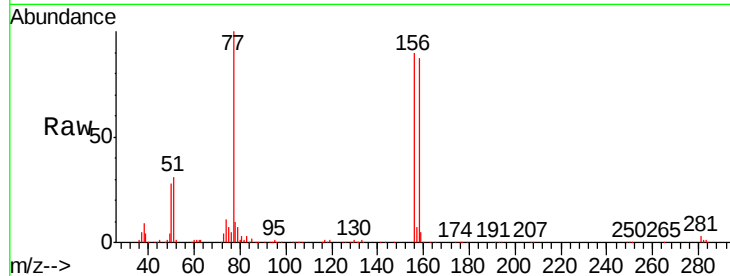
ClientSampleId :

VD1114SBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	111.5	61.2	183.6
158	97.1	49.2	147.6

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#78

n-propylbenzene

Concen: 20.70 ug/l

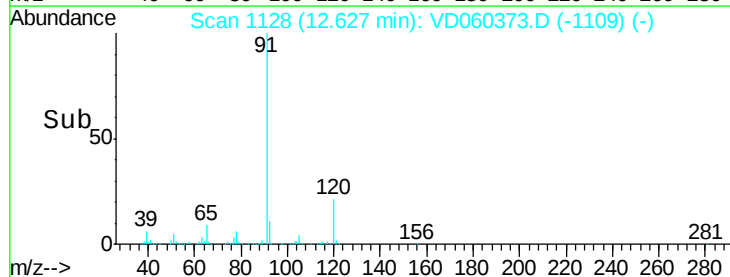
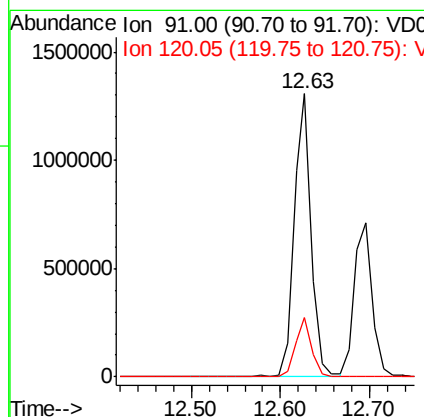
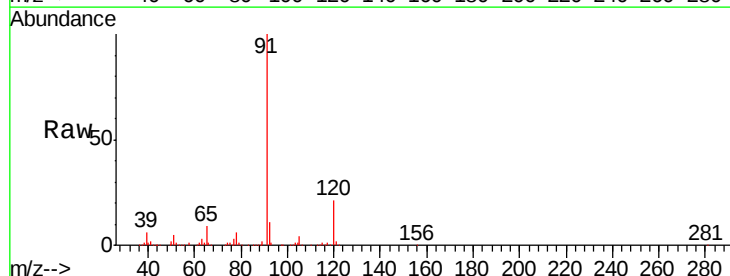
RT: 12.63 min Scan# 1128

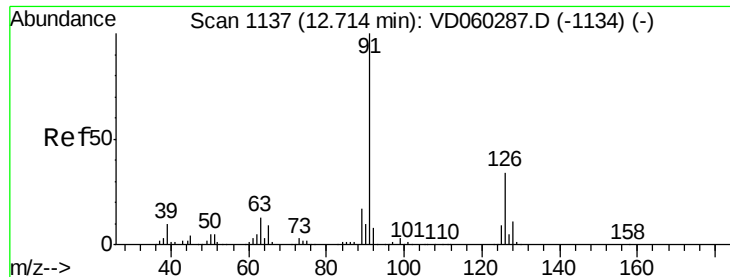
Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.4	31.4





#79

2-Chlorotoluene

Concen: 21.56 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBSD01

Tgt Ion: 91 Resp: 1002138

Ion Ratio Lower Upper

91 100

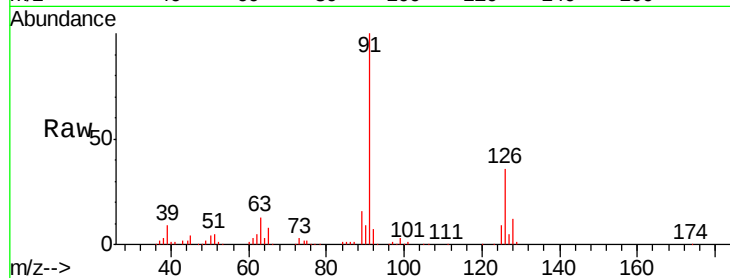
126 35.7 17.4 52.2

Manual Integrations

APPROVED

apatel

11/15/2018 1:02:26 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

1500000

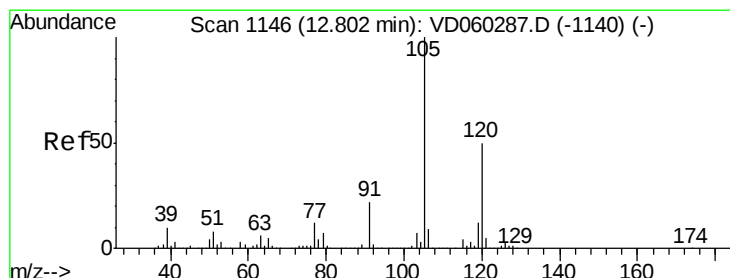
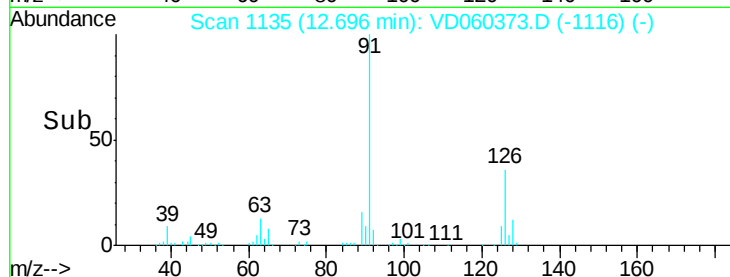
1000000

500000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.95 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060373.D

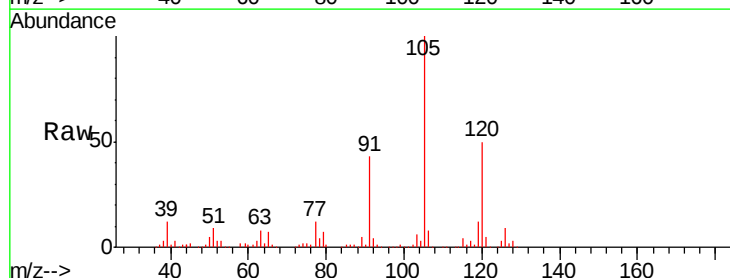
Acq: 14 Nov 2018 12:20

Tgt Ion: 105 Resp: 1106802

Ion Ratio Lower Upper

105 100

120 50.3 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

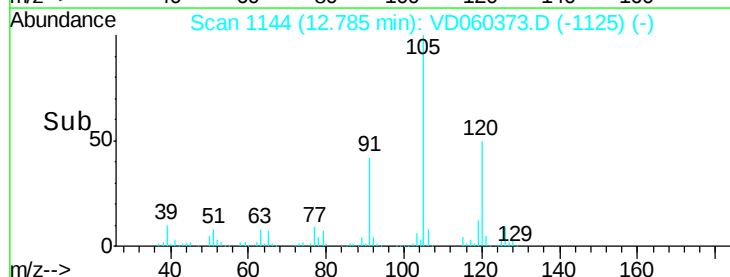
400000

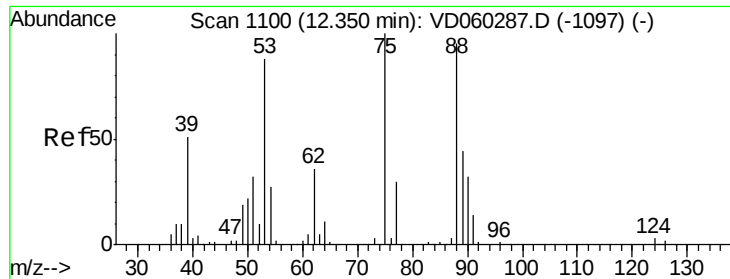
200000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.49 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD060373.D

Acq: 14 Nov 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

VD1114SBS01

Tgt Ion: 75 Resp: 61935

Ion Ratio Lower Upper

75 100

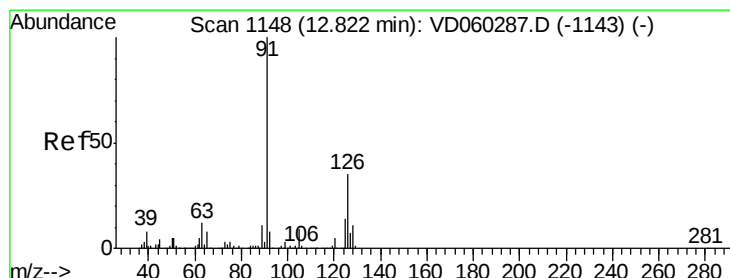
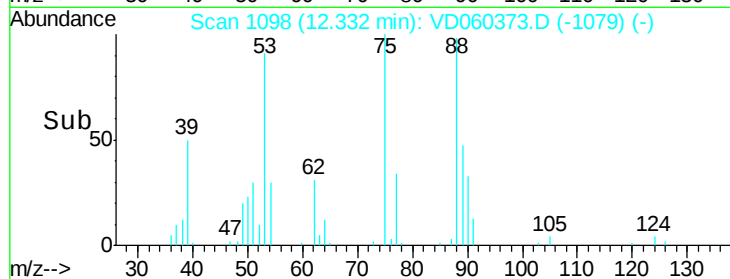
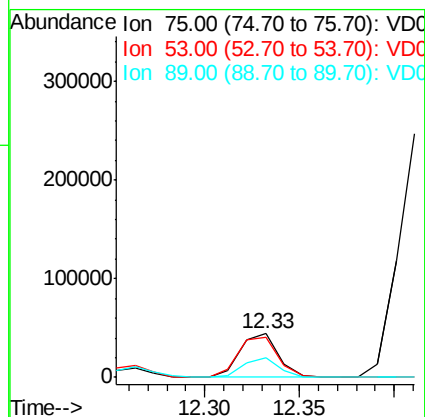
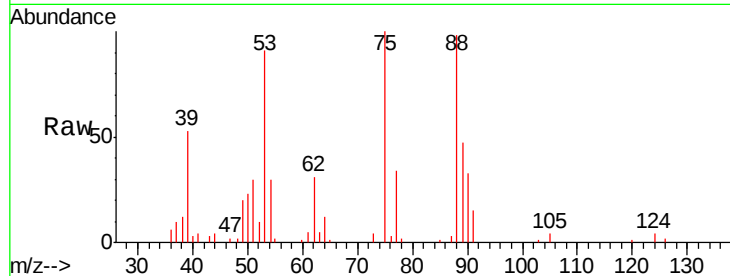
53 91.3 68.6 103.0

89 46.6 34.1 51.1

Manual Integrations
APPROVED

apatel

11/15/2018 1:02:26 PM



#82

4-Chlorotoluene

Concen: 21.15 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.03 min

Lab File: VD060373.D

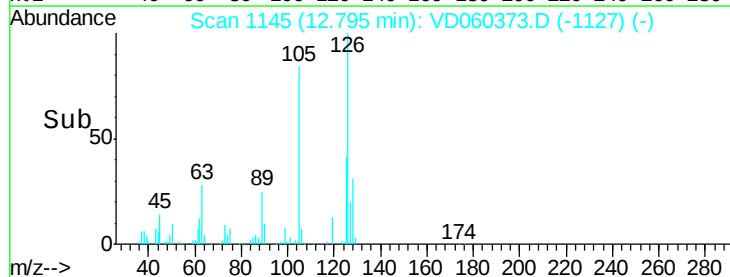
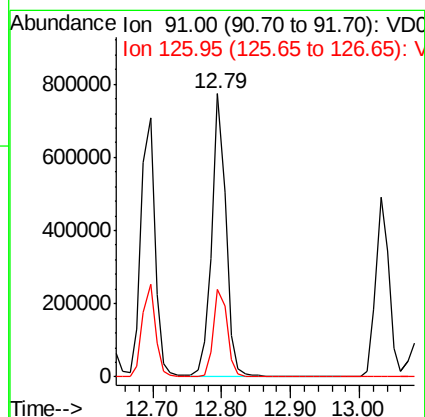
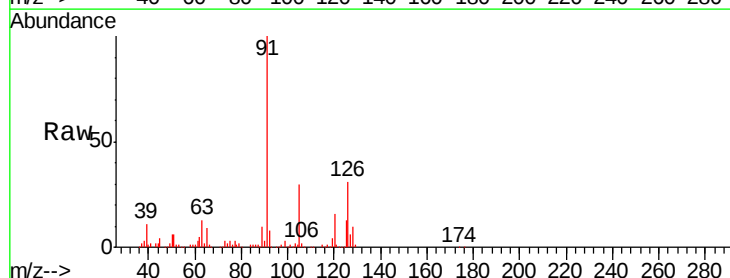
Acq: 14 Nov 2018 12:20

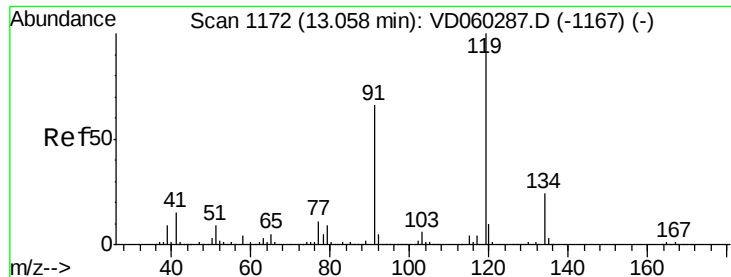
Tgt Ion: 91 Resp: 1104090

Ion Ratio Lower Upper

91 100

126 30.8 14.8 44.4





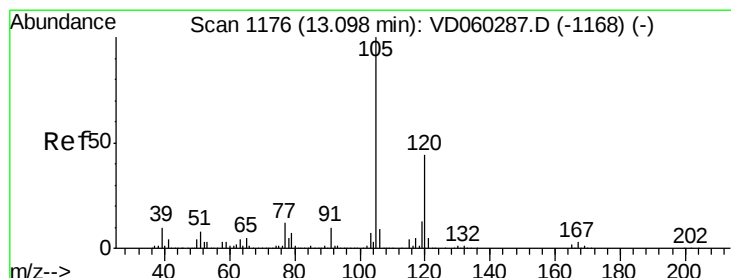
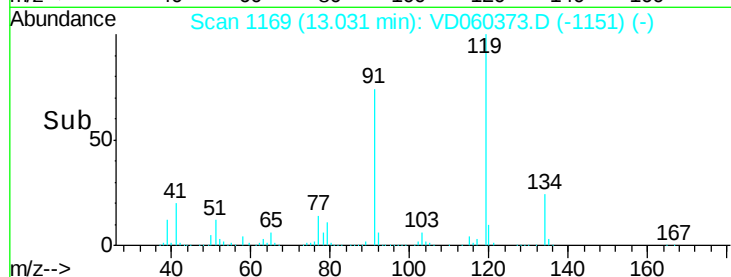
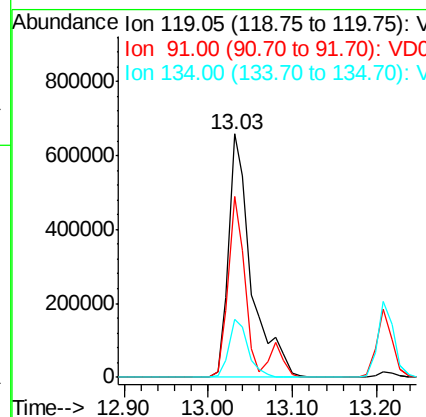
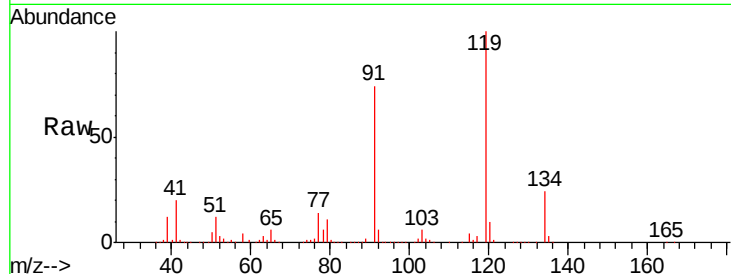
#83
tert-Butylbenzene
Concen: 21.24 ug/l
RT: 13.03 min Scan# 1169
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion:119 Resp: 1245746
Ion Ratio Lower Upper
119 100
91 74.4 32.7 98.1
134 24.0 12.1 36.3

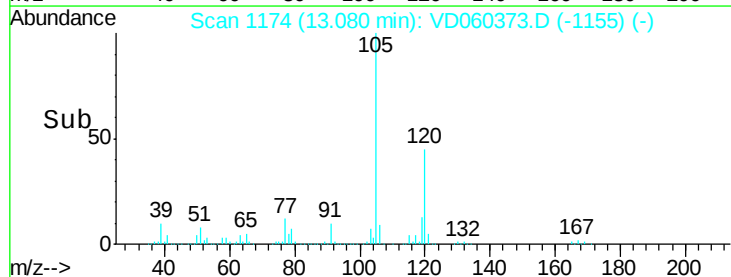
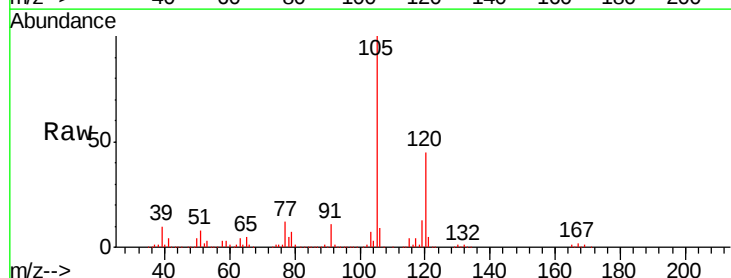
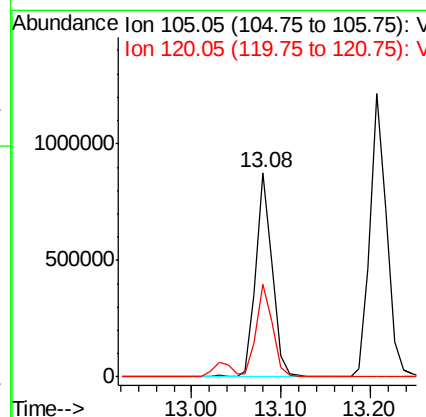
Manual Integrations
APPROVED

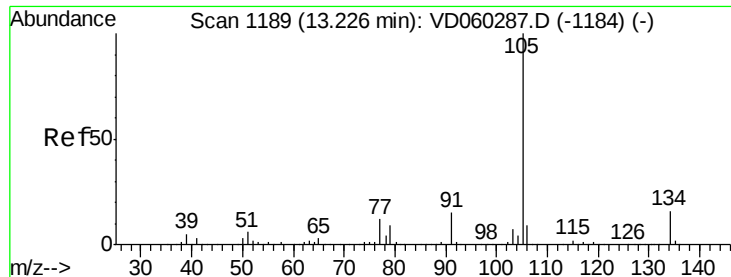
apatel
11/15/2018 1:02:26 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.08 ug/l
RT: 13.08 min Scan# 1174
Delta R.T. -0.02 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion:105 Resp: 1112057
Ion Ratio Lower Upper
105 100
120 45.5 21.9 65.8





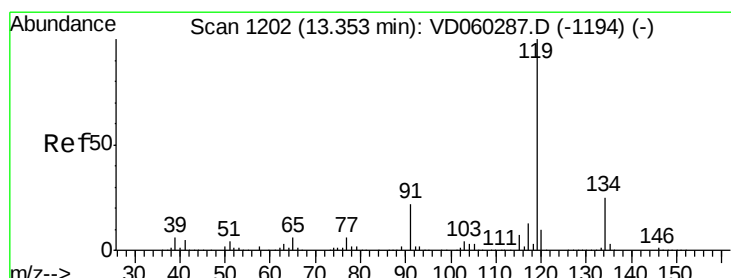
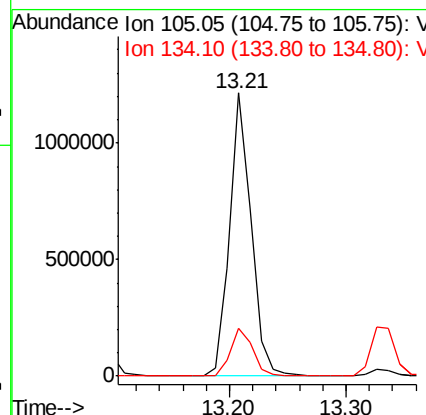
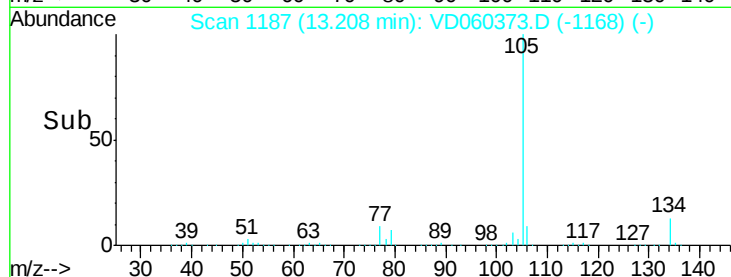
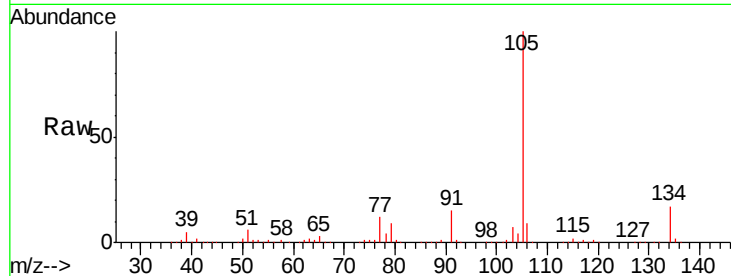
#85
 sec-Butylbenzene
 Concen: 21.61 ug/l
 RT: 13.21 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tgt Ion:105 Resp: 1555375
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.0 24.0

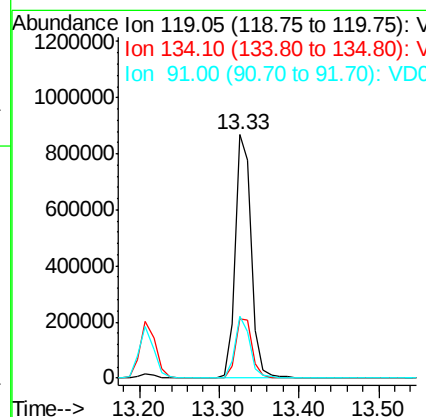
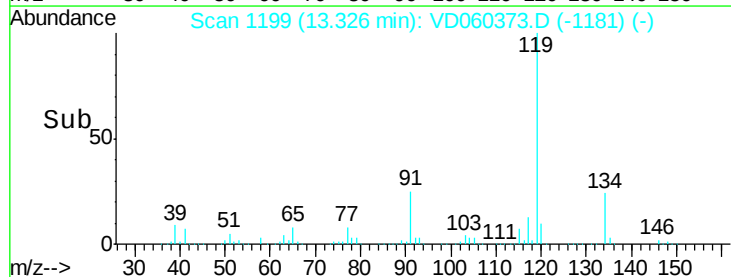
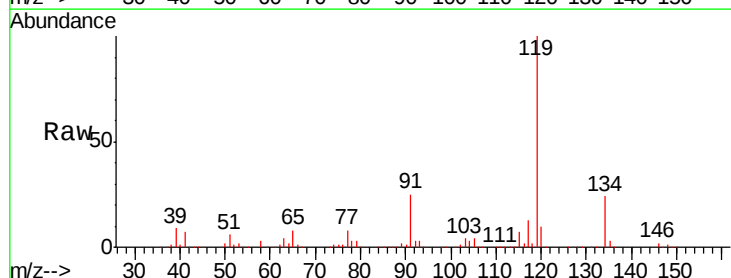
Manual Integrations
 APPROVED

apatel
 11/15/2018 1:02:26 PM



#86
 p-Isopropyltoluene
 Concen: 21.13 ug/l
 RT: 13.33 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion:119 Resp: 1224810
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.9 38.6
 91 25.2 11.3 33.8





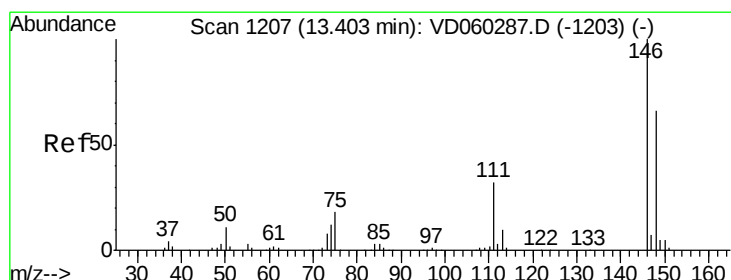
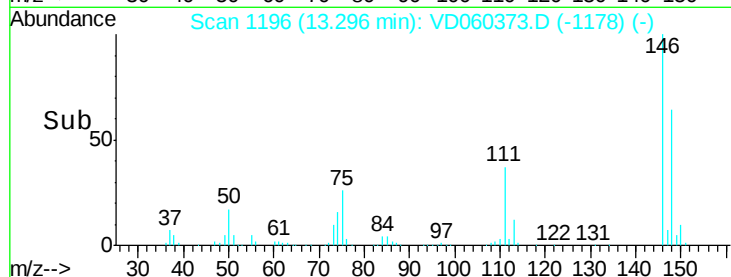
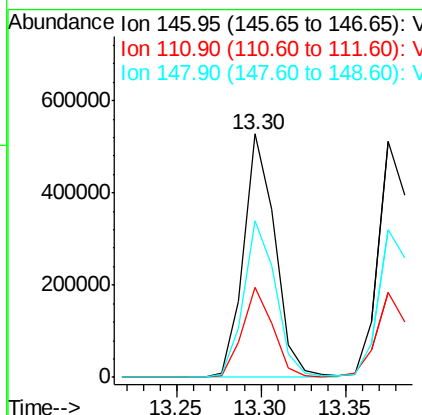
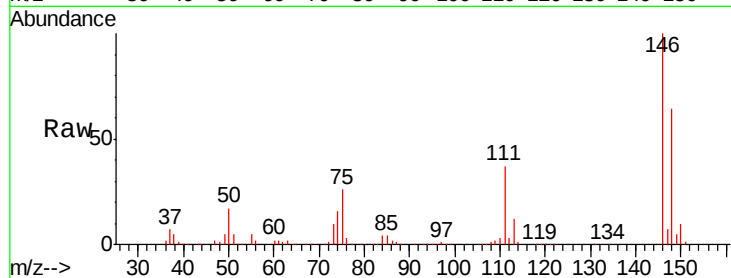
#87
 1,3-Dichlorobenzene
 Concen: 21.34 ug/l
 RT: 13.30 min Scan# 1196
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.2	60.5
148	64.4	32.0	96.0

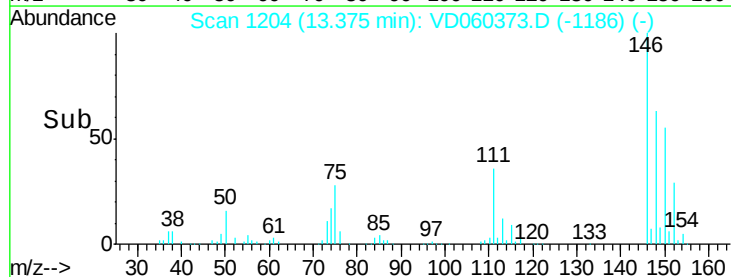
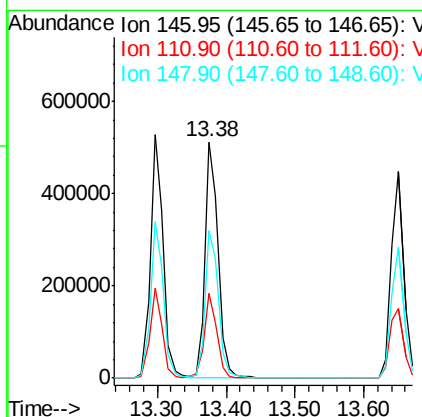
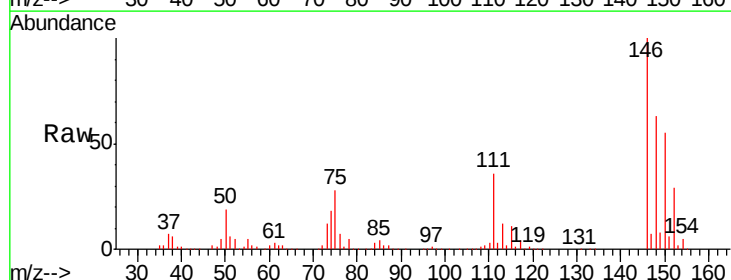
Manual Integrations
 APPROVED

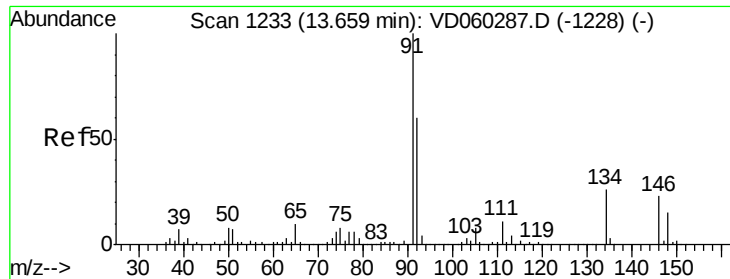
apatel
 11/15/2018 1:02:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.87 ug/l
 RT: 13.38 min Scan# 1204
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	16.0	47.9
148	62.6	32.9	98.7





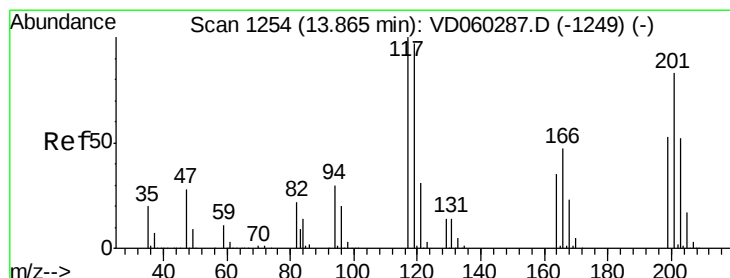
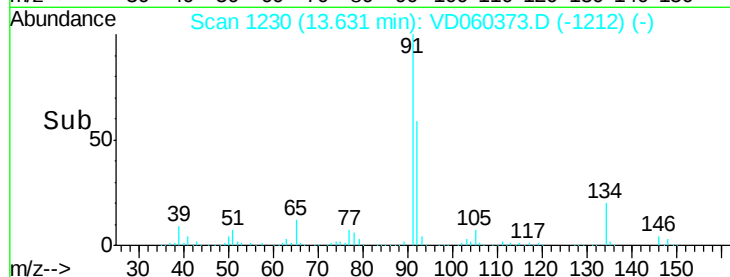
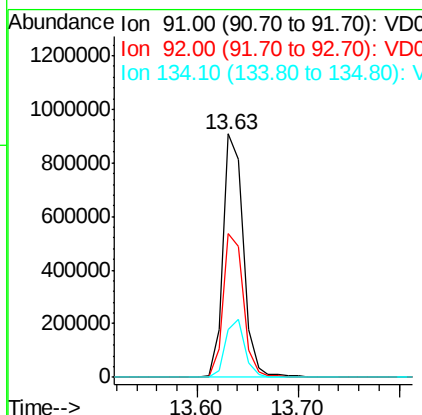
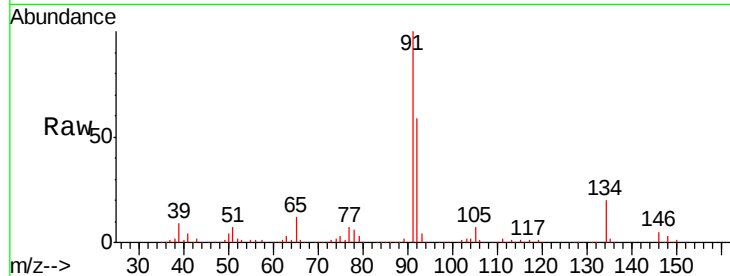
#89
n-Butylbenzene
Concen: 19.94 ug/l
RT: 13.63 min Scan# 1230
Delta R.T. -0.03 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBS01

Tgt Ion: 91 Resp: 1271199
Ion Ratio Lower Upper
91 100
92 59.3 30.3 90.9
134 19.8 13.0 38.9

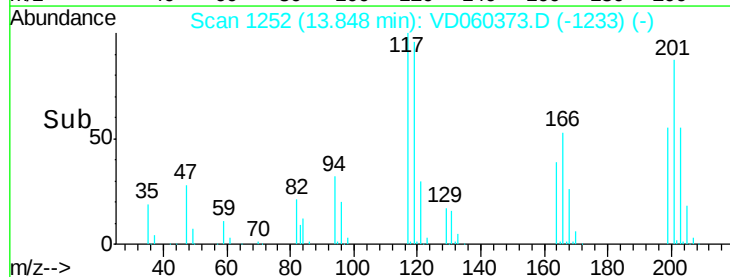
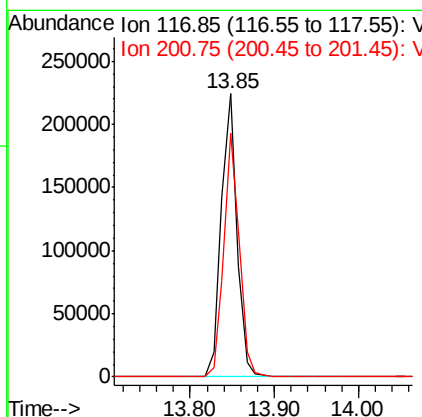
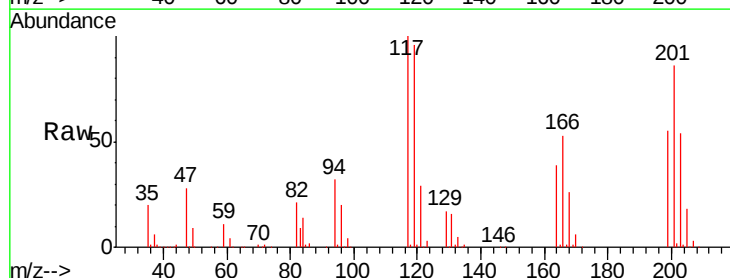
Manual Integrations
APPROVED

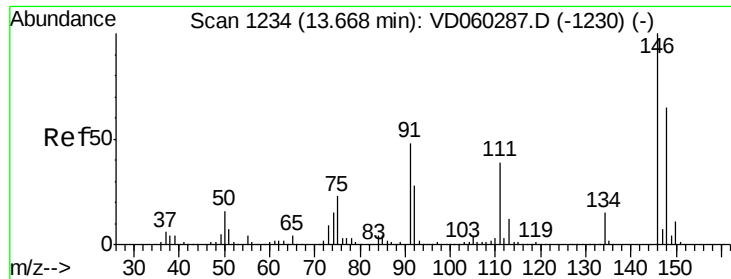
apatel
11/15/2018 1:02:26 PM



#90
Hexachloroethane
Concen: 21.22 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.02 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion: 117 Resp: 291586
Ion Ratio Lower Upper
117 100
201 86.3 40.1 120.3





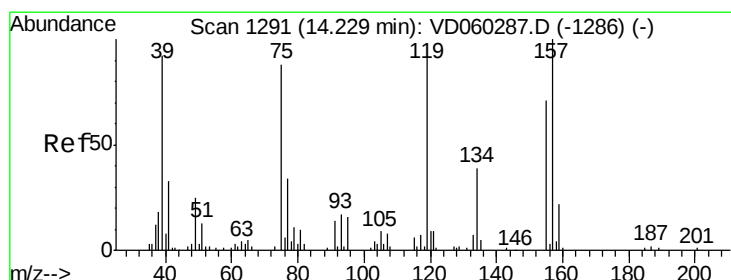
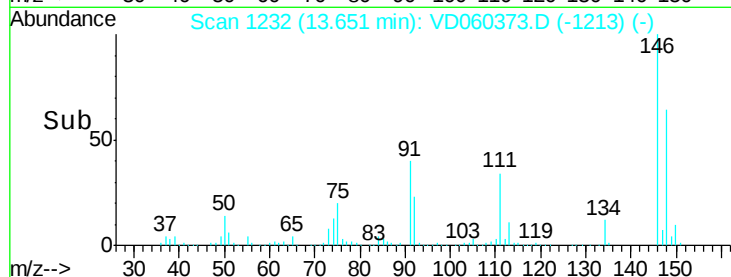
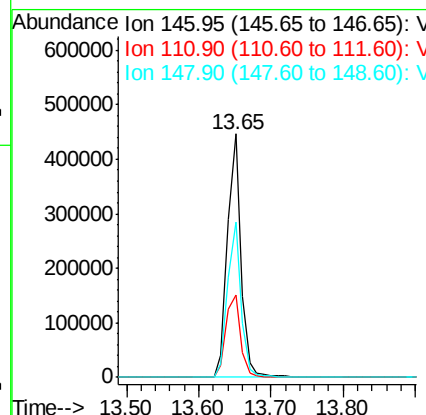
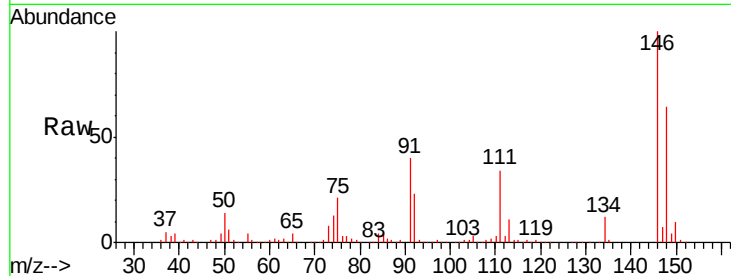
#91
 1,2-Dichlorobenzene
 Concen: 21.80 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.02 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	18.9	56.9
148	63.7	31.6	94.8

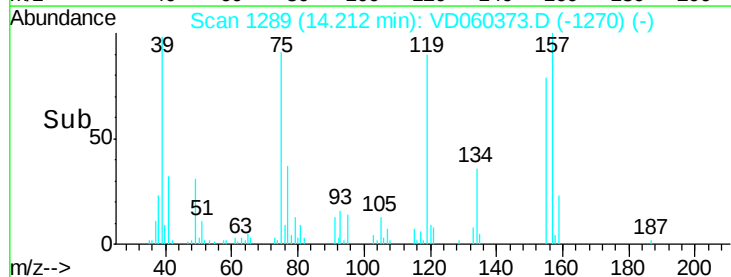
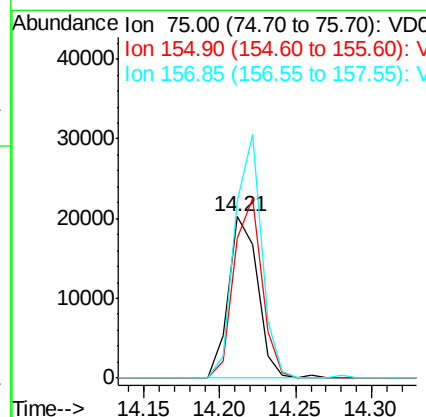
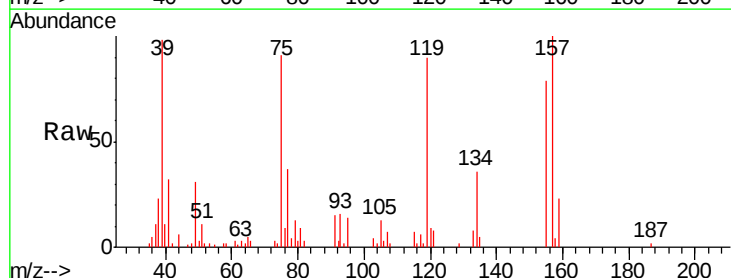
Manual Integrations
 APPROVED

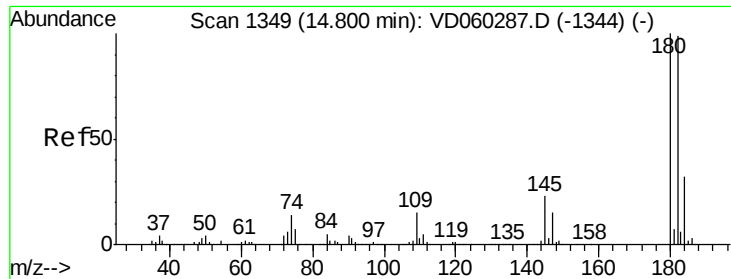
apatel
 11/15/2018 1:02:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.25 ug/l
 RT: 14.21 min Scan# 1289
 Delta R.T. -0.02 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	64.3	192.9
157	109.5	81.0	243.1





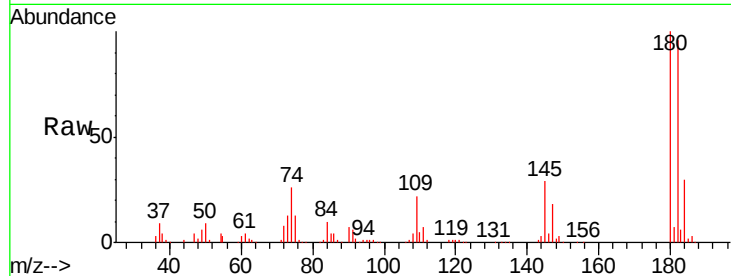
#93
 1,2,4-Trichlorobenzene
 Concen: 20.87 ug/l
 RT: 14.77 min Scan# 1346
 Delta R.T. -0.03 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1114SBS01

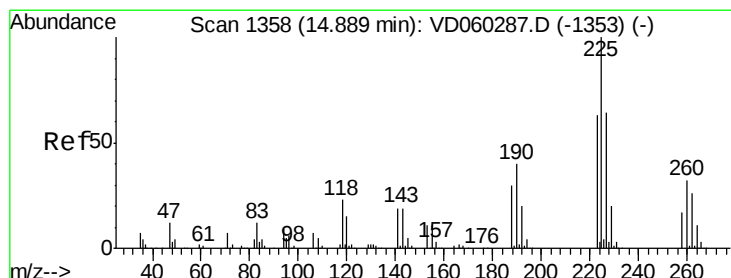
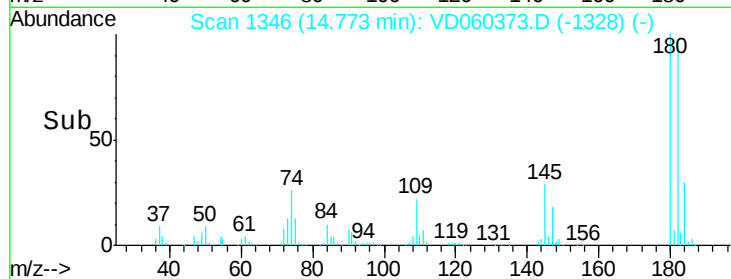
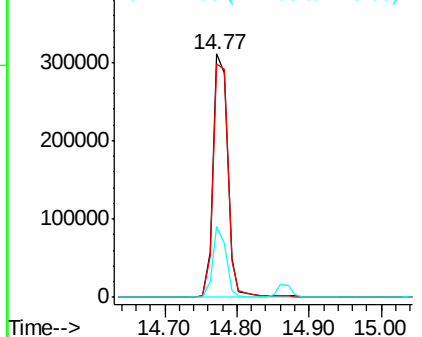
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.1	144.4
145	29.0	11.5	34.4

Manual Integrations
 APPROVED

apatel
 11/15/2018 1:02:26 PM

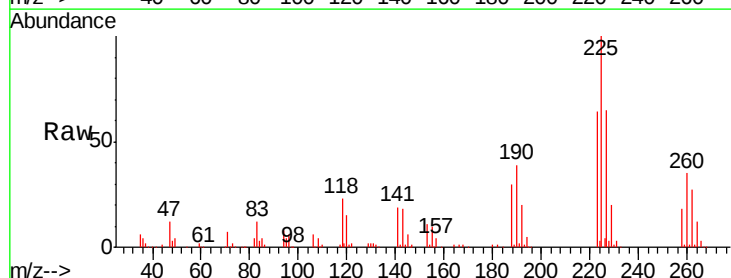


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

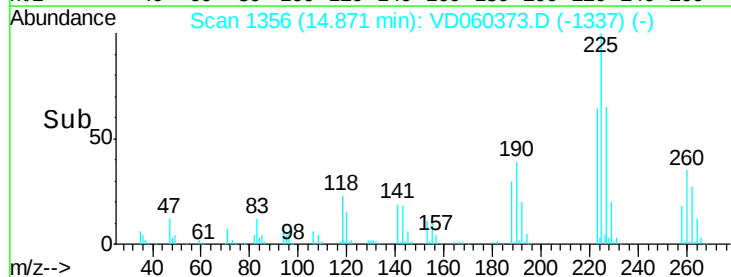
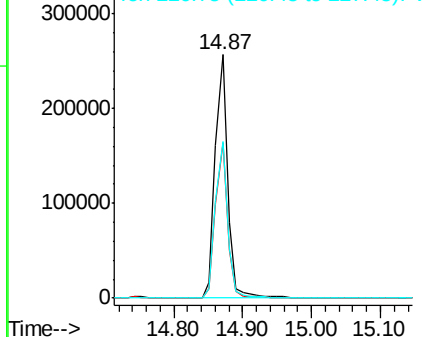


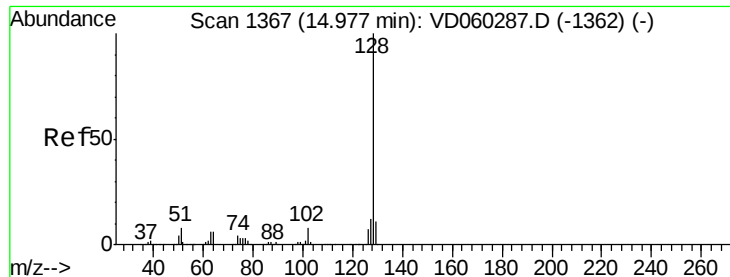
#94
 Hexachlorobutadiene
 Concen: 20.84 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.02 min
 Lab File: VD060373.D
 Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.6	94.8
227	64.6	32.3	96.9



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





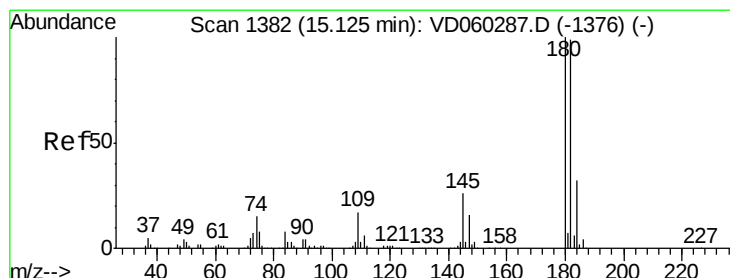
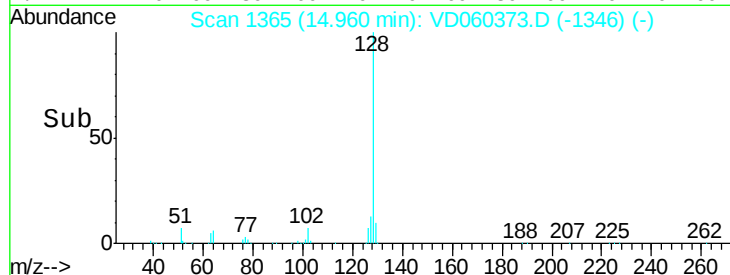
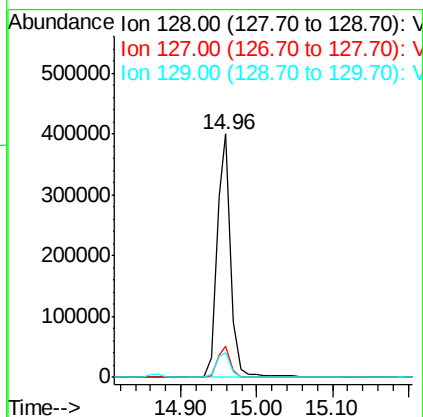
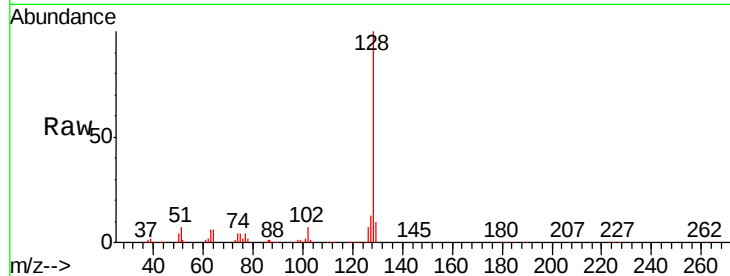
#95
Naphthalene
Concen: 19.89 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :
VD1114SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.6	14.4
129	10.4	8.6	12.8

Manual Integrations
APPROVED

apatel
11/15/2018 1:02:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.71 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD060373.D
Acq: 14 Nov 2018 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.9	146.7
145	23.8	12.9	38.6

