

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007063.D
 Acq On : 26 Nov 2018 23:38
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:03:09 PM

Quant Time: Nov 27 07:26:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	163111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	57343	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	7.88	113	51847	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
50) Toluene-d8	10.32	98	223001	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.62	95	88753	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49946	47.05	ug/l	98
3) Chloromethane	2.21	50	42911	48.51	ug/l	99
4) Vinyl Chloride	2.35	62	43226	49.66	ug/l	100
5) Bromomethane	2.77	94	23918	51.49	ug/l	95
6) Chloroethane	2.91	64	24318	50.68	ug/l	97
7) Trichlorofluoromethane	3.26	101	86864	50.75	ug/l	98
8) Diethyl Ether	3.68	74	28917	52.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53193	47.94	ug/l	99
10) Methyl Iodide	4.27	142	68007	53.54	ug/l	99
11) Tert butyl alcohol	5.20	59	20611	300.80	ug/l	98
12) 1,1-Dichloroethene	4.04	96	49398	50.76	ug/l	97
13) Acrolein	3.90	56	20575	292.39	ug/l	96
14) Allyl chloride	4.67	41	82496	51.11	ug/l	99
15) Acrylonitrile	5.37	53	62137	299.78	ug/l	100
16) Acetone	4.14	43	45571m	298.20	ug/l	
17) Carbon Disulfide	4.38	76	170088	54.06	ug/l	99
18) Methyl Acetate	4.68	43	30833	56.66	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	145789	57.38	ug/l	100
20) Methylene Chloride	4.92	84	60798	49.91	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	56996	50.28	ug/l	99
22) Diisopropyl ether	6.31	45	166335	52.95	ug/l	99
23) Vinyl Acetate	6.26	43	492012	294.91	ug/l	99
24) 1,1-Dichloroethane	6.21	63	97982	51.27	ug/l	97
25) 2-Butanone	7.17	43	74789	285.74	ug/l	99
26) 2,2-Dichloropropane	7.17	77	82963	48.27	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	63306	52.44	ug/l	98
28) Bromochloromethane	7.51	49	41454	58.03	ug/l	99
29) Tetrahydrofuran	7.54	42	49212	290.31	ug/l	98
30) Chloroform	7.68	83	103183	50.82	ug/l	98
31) Cyclohexane	7.96	56	92390	45.58	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	95591	52.27	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83312	49.58	ug/l	99
37) Ethyl Acetate	7.26	43	35813	58.81	ug/l	97
38) Carbon Tetrachloride	8.07	117	82541	51.30	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007063.D
 Acq On : 26 Nov 2018 23:38
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2018 3:03:09 PM

Quant Time: Nov 27 07:26:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102480	48.74	ug/l	98
40) Benzene	8.32	78	235376	51.89	ug/l	98
41) Methacrylonitrile	7.49	41	20527m	54.28	ug/l	
42) 1,2-Dichloroethane	8.40	62	68739	52.20	ug/l	98
43) Isopropyl Acetate	8.43	43	70656m	60.89	ug/l	
44) Trichloroethene	9.09	130	66983	52.68	ug/l	96
45) 1,2-Dichloropropane	9.37	63	57966	51.84	ug/l	100
46) Dibromomethane	9.46	93	30913	55.21	ug/l	100
47) Bromodichloromethane	9.65	83	77005	52.20	ug/l	96
48) Methyl methacrylate	9.44	41	34331	61.36	ug/l	97
49) 1,4-Dioxane	9.48	88	9552	1147.76	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	173226	295.40	ug/l	99
52) Toluene	10.39	92	160511	52.00	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	80534	56.35	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	93404	54.10	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45866	55.68	ug/l	97
56) Ethyl methacrylate	10.65	69	59340	62.05	ug/l	97
57) 1,3-Dichloropropane	10.93	76	76535	55.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	135074	270.31	ug/l	99
59) 2-Hexanone	10.97	43	120046	298.95	ug/l	100
60) Dibromochloromethane	11.13	129	54565	58.13	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43880	58.23	ug/l	98
64) Tetrachloroethene	10.86	164	56945	54.27	ug/l	97
65) Chlorobenzene	11.66	112	177335	52.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57305	55.64	ug/l	99
67) Ethyl Benzene	11.73	91	319315	51.06	ug/l	98
68) m/p-Xylenes	11.84	106	249825	101.82	ug/l	99
69) o-Xylene	12.17	106	118298	51.13	ug/l	99
70) Styrene	12.18	104	196782	53.44	ug/l	99
71) Bromoform	12.35	173	30195	62.24	ug/l #	99
73) Isopropylbenzene	12.47	105	320910	50.11	ug/l	100
74) N-amyl acetate	12.27	43	66157	61.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	50327	59.05	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	29338m	45.31	ug/l	
77) Bromobenzene	12.75	156	72375	52.62	ug/l	98
78) n-propylbenzene	12.81	91	382250	49.28	ug/l	99
79) 2-Chlorotoluene	12.90	91	224274	50.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	279338	50.44	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	15348	59.51	ug/l	97
82) 4-Chlorotoluene	12.99	91	234020	49.86	ug/l	100
83) tert-Butylbenzene	13.21	119	239588	49.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	278655	50.51	ug/l	99
85) sec-Butylbenzene	13.39	105	331574	48.95	ug/l	99
86) p-Isopropyltoluene	13.50	119	295454	49.45	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	142847	50.87	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	143876	51.39	ug/l	99
89) n-Butylbenzene	13.83	91	275817	49.05	ug/l	99
90) Hexachloroethane	14.10	117	45543	52.21	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	130285	52.95	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9039	62.80	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
Data File : VW007063.D
Acq On : 26 Nov 2018 23:38
Operator : VAY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

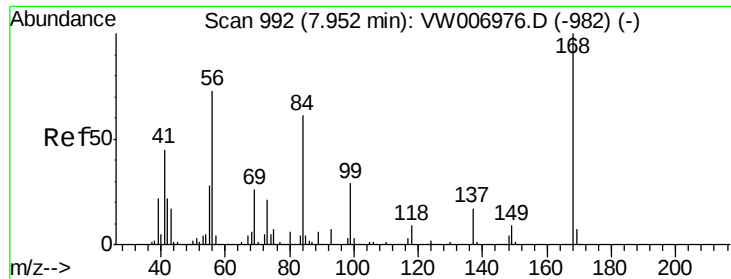
Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM

Quant Time: Nov 27 07:26:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	84303	51.96	ug/l	99
94) Hexachlorobutadiene	15.24	225	43648	49.49	ug/l	98
95) Naphthalene	15.37	128	172000	58.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	71495	53.12	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 107513

Ion Ratio Lower Upper

168 100

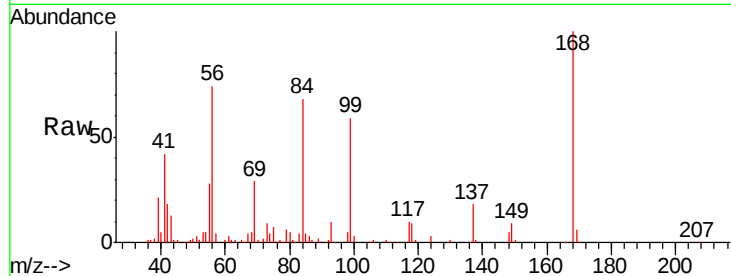
99 58.6 48.2 72.4

Manual Integrations

APPROVED

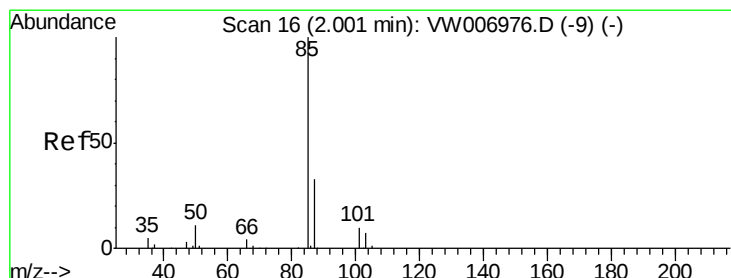
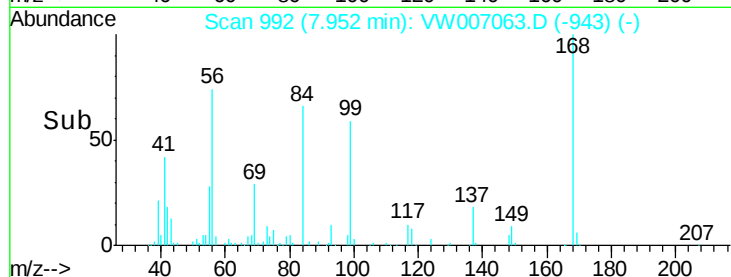
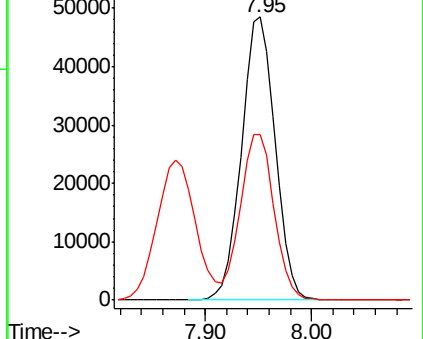
apatel

11/27/2018 3:03:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.05 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW007063.D

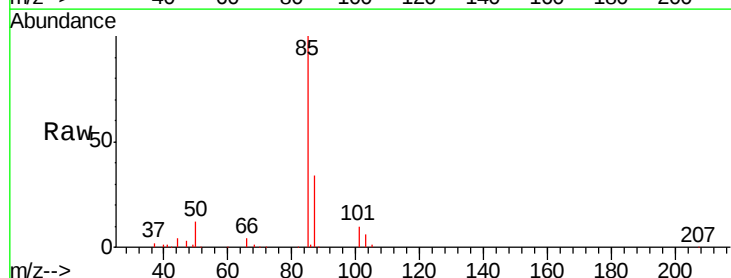
Acq: 26 Nov 2018 23:38

Tgt Ion: 85 Resp: 49946

Ion Ratio Lower Upper

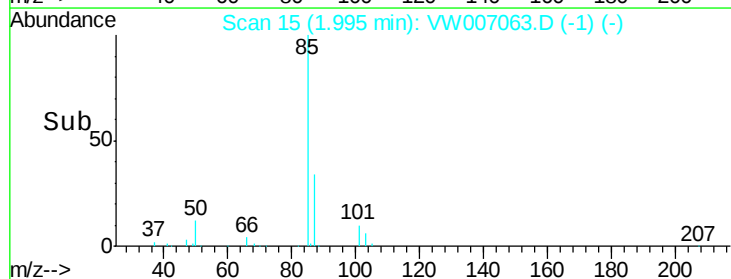
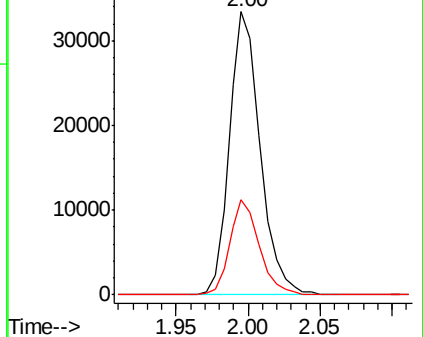
85 100

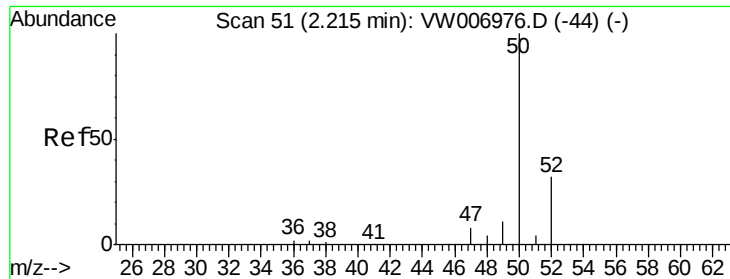
87 33.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.51 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 42911

Ion Ratio Lower Upper

50 100

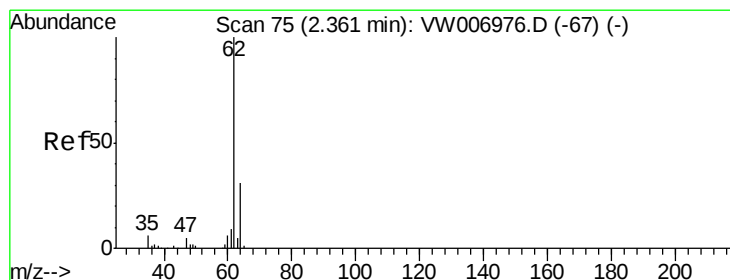
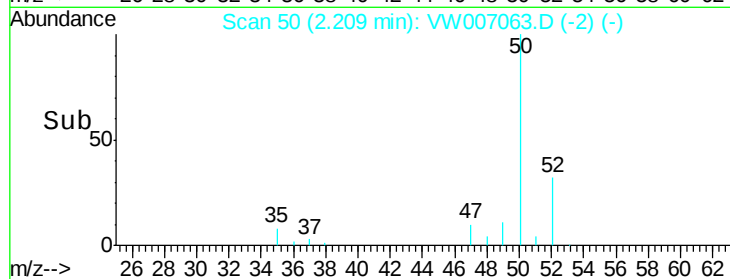
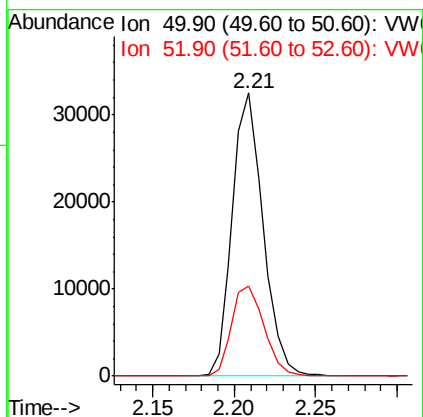
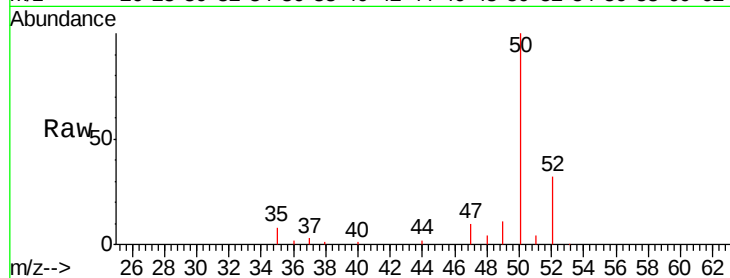
52 31.8 25.7 38.5

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#4

Vinyl Chloride

Concen: 49.66 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW007063.D

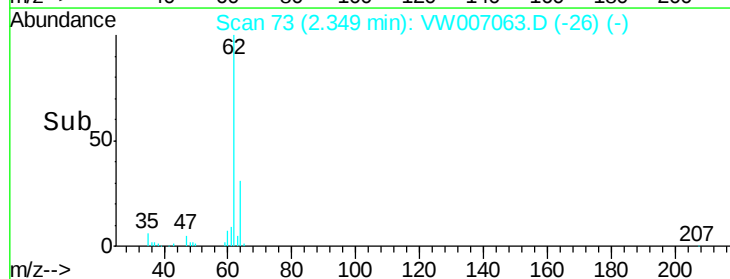
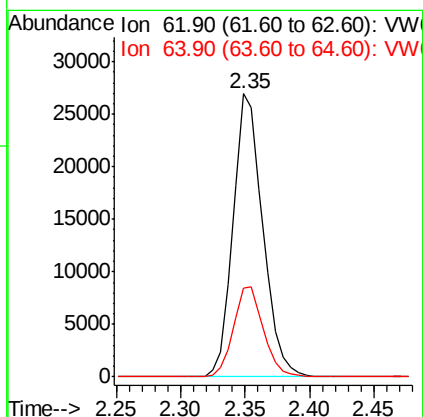
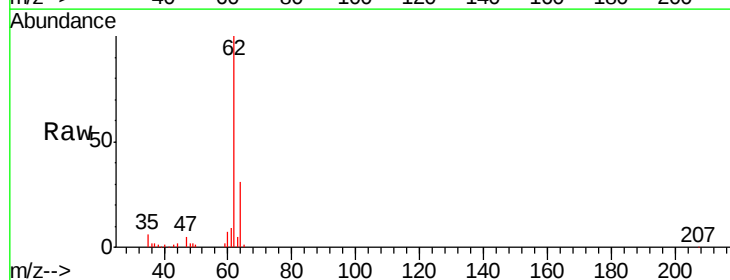
Acq: 26 Nov 2018 23:38

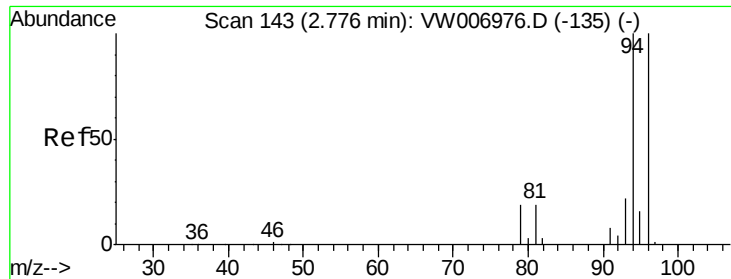
Tgt Ion: 62 Resp: 43226

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 51.49 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 23918

Ion Ratio Lower Upper

94 100

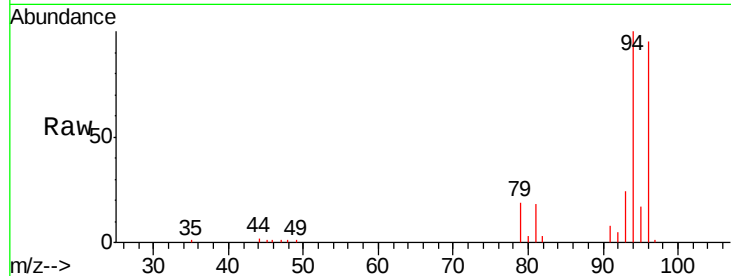
96 95.2 80.2 120.2

Manual Integrations

APPROVED

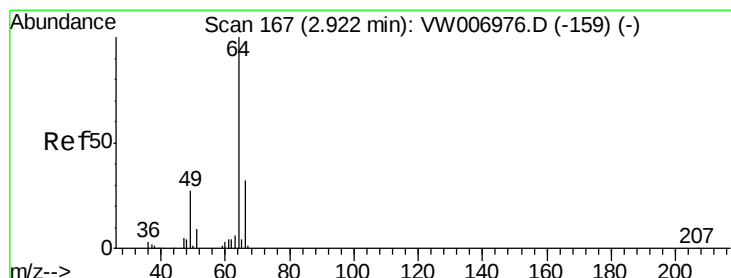
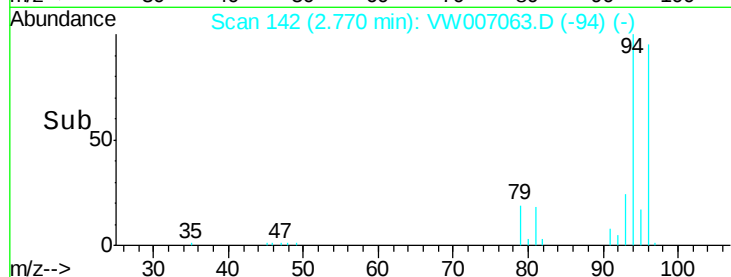
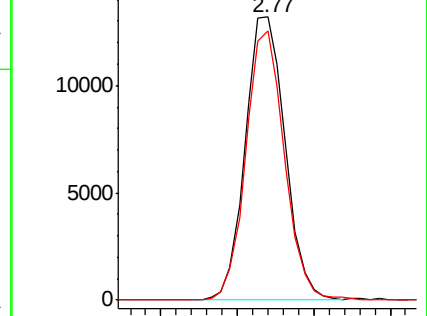
apatel

11/27/2018 3:03:09 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.68 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007063.D

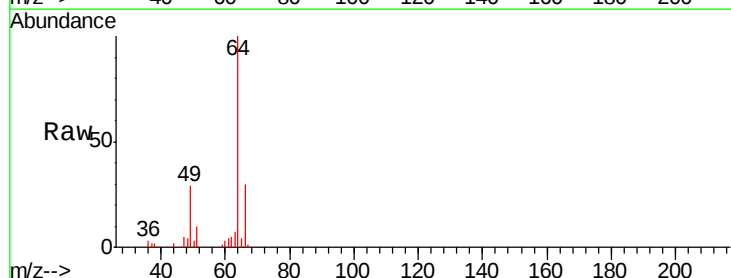
Acq: 26 Nov 2018 23:38

Tgt Ion: 64 Resp: 24318

Ion Ratio Lower Upper

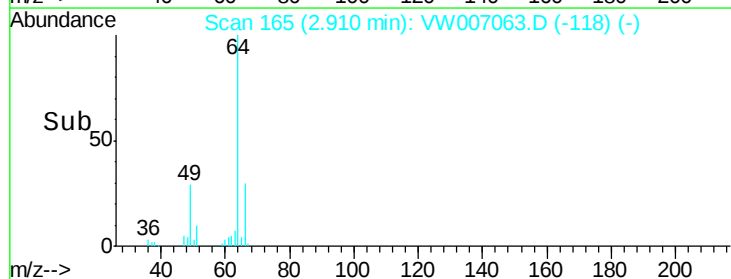
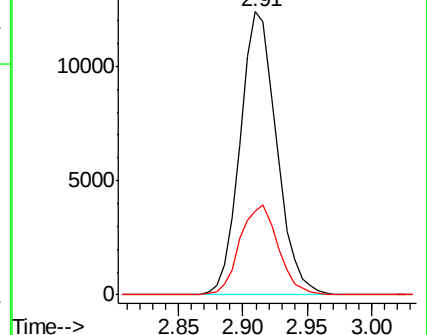
64 100

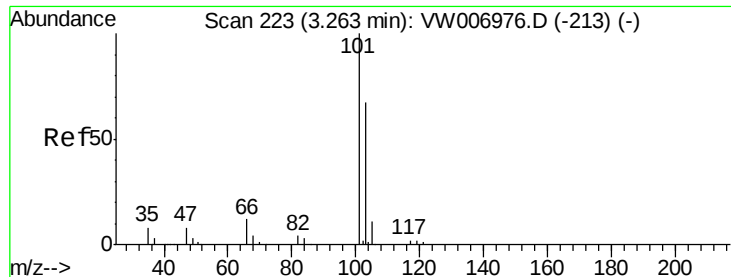
66 29.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

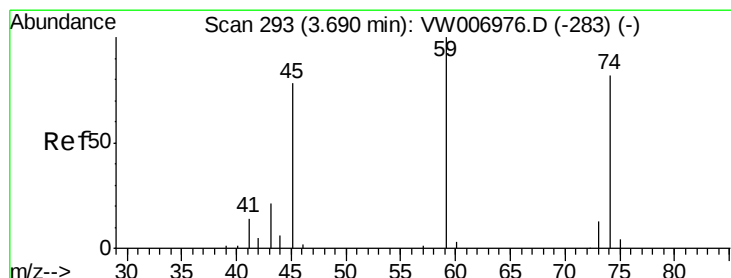
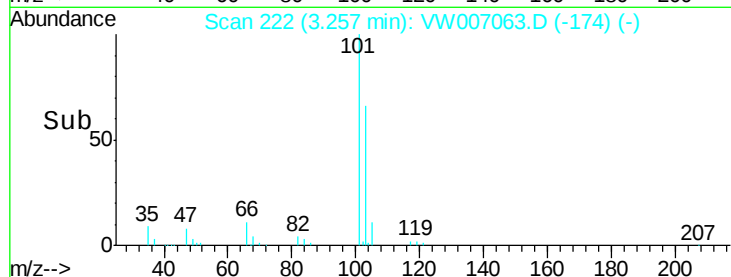
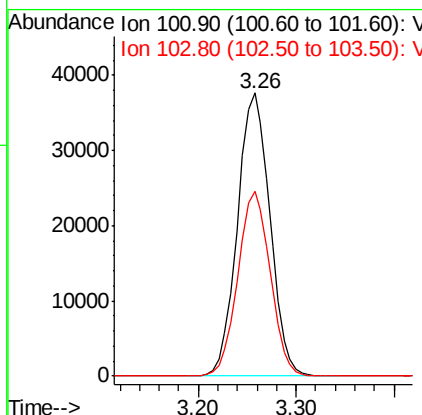
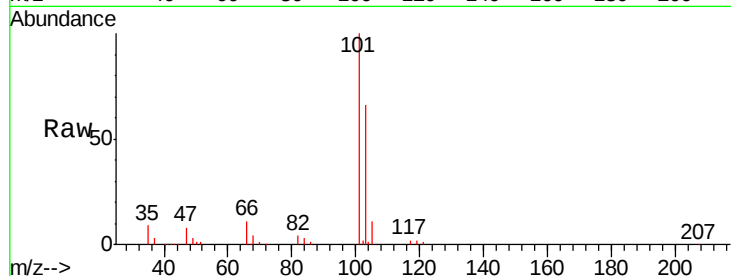
Trichlorofluoromethane
 Concen: 50.75 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.5	53.4	80.2

Manual Integrations
 APPROVED

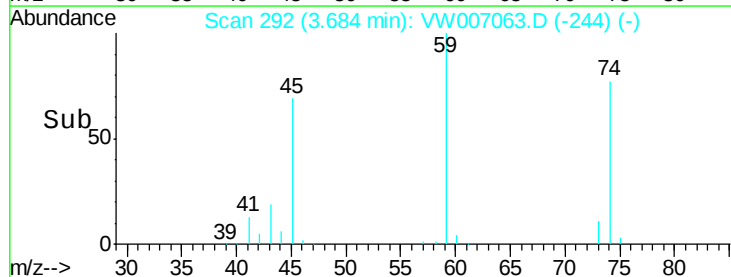
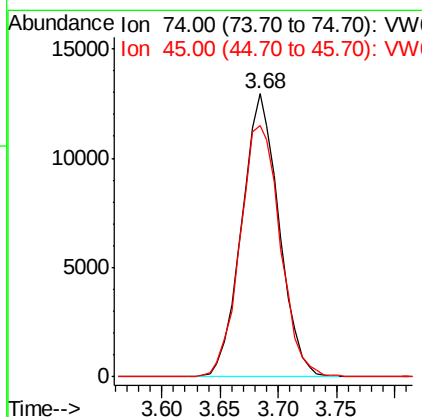
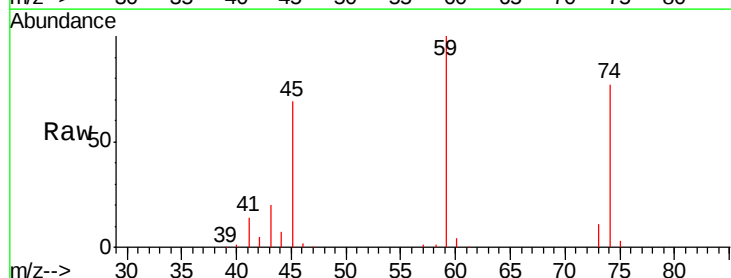
apatel
 11/27/2018 3:03:09 PM



#8

Diethyl Ether
 Concen: 52.44 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.94 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

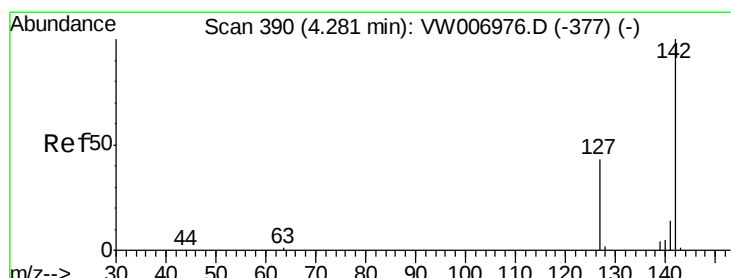
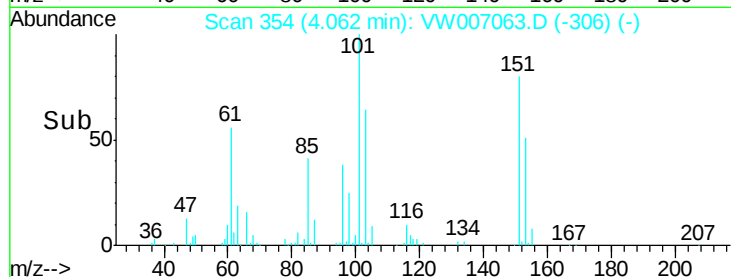
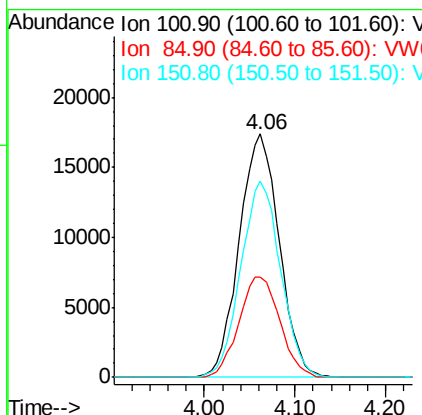
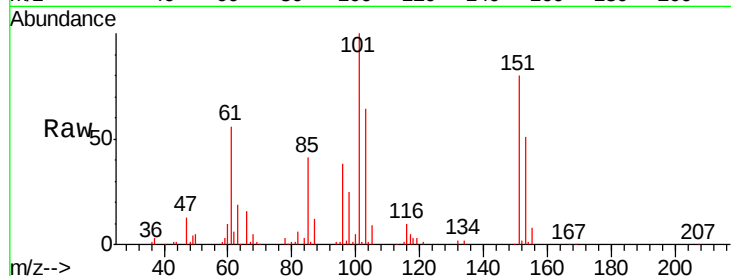
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	53193
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.3	51.5
151	80.2	63.4	95.2

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#10

Methyl Iodide

Concen: 53.54 ug/l

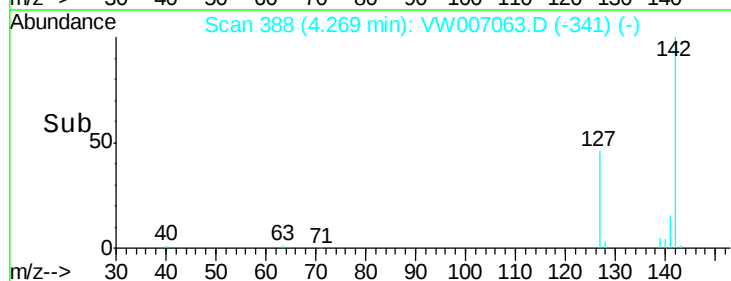
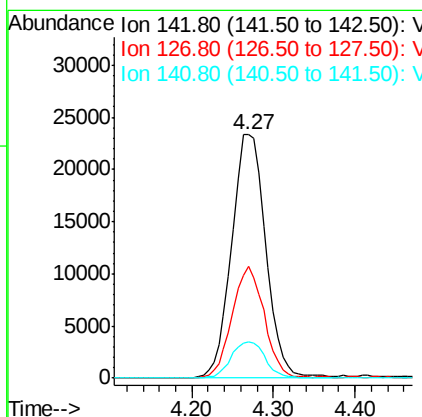
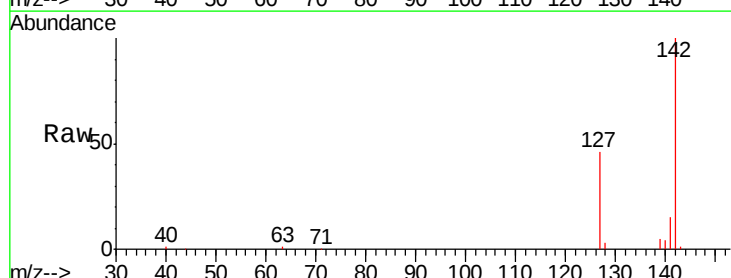
RT: 4.27 min Scan# 388

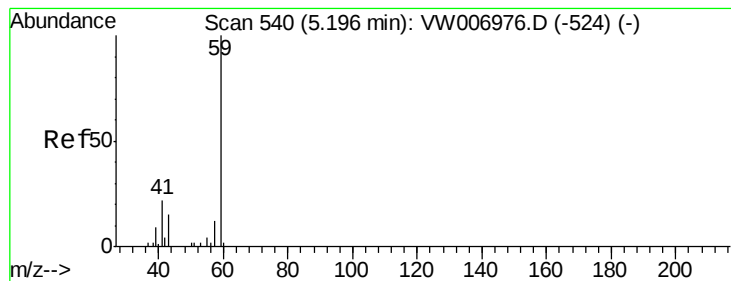
Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	142	Resp:	68007
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.3	52.9
141	14.6	11.7	17.5





#11

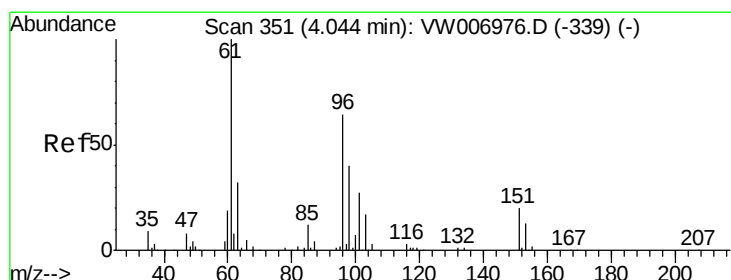
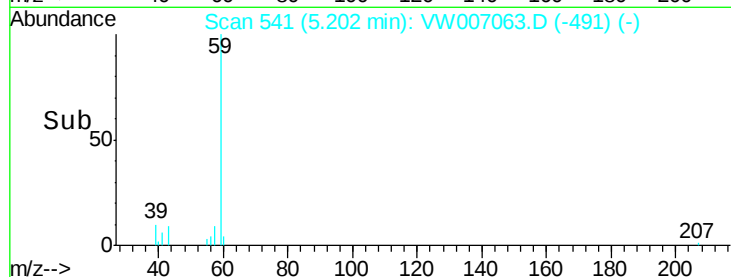
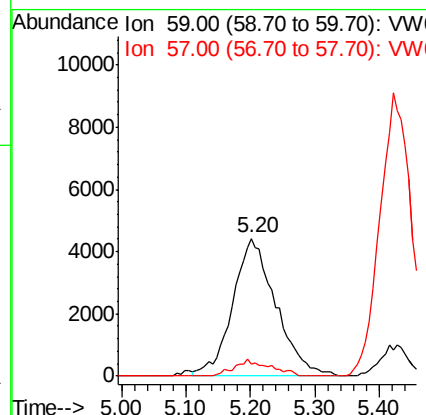
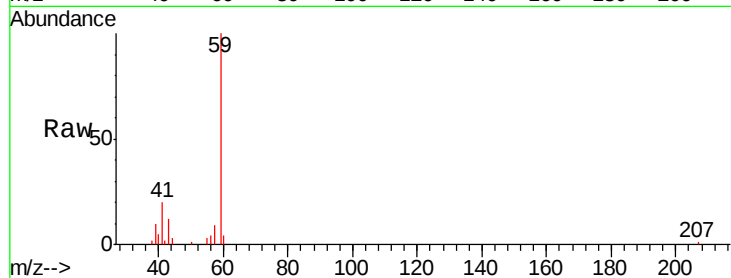
Tert butyl alcohol
Concen: 300.80 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	13.0

Manual Integrations
APPROVED

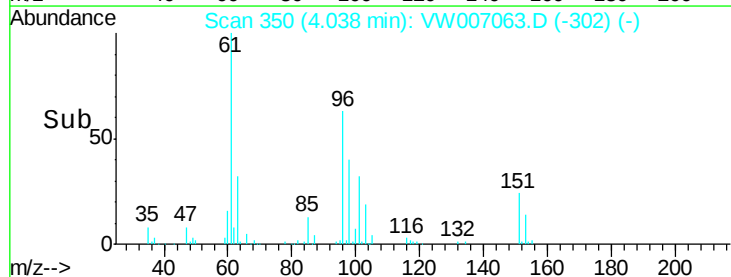
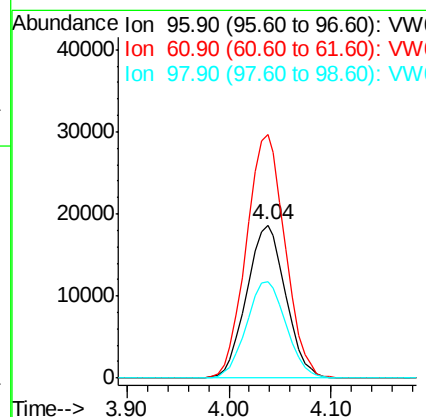
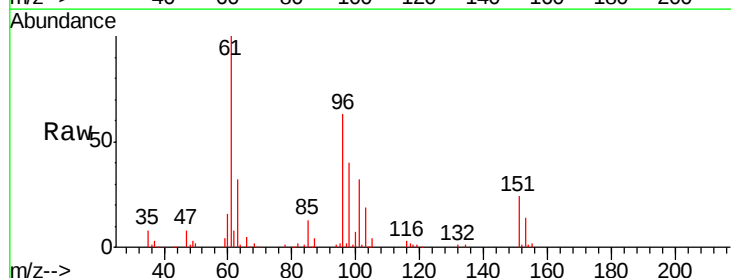
apatel
11/27/2018 3:03:09 PM

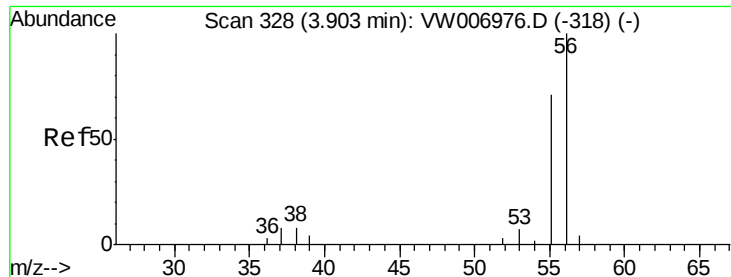


#12

1,1-Dichloroethene
Concen: 50.76 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	124.3	186.5
98	63.2	49.4	74.2





#13

Acrolein

Concen: 292.39 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 20575

Ion Ratio Lower Upper

56 100

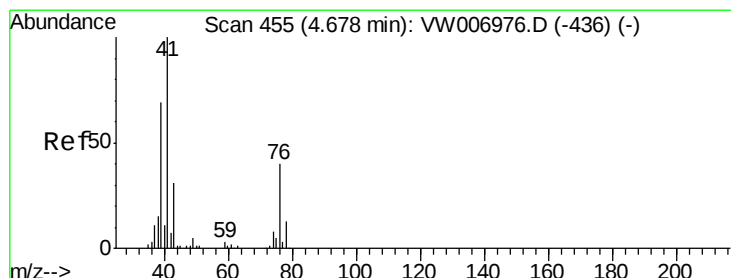
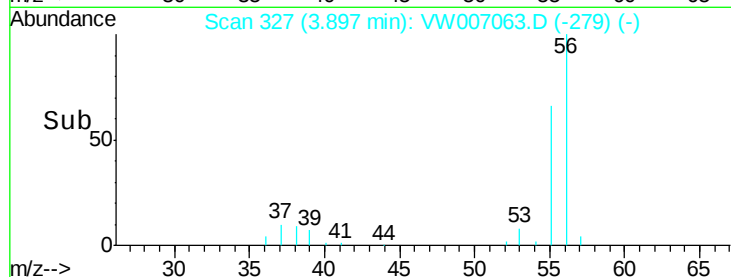
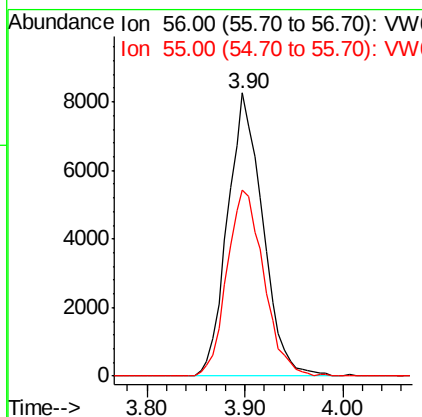
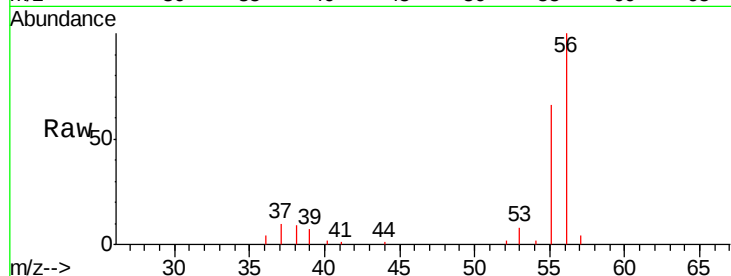
55 68.7 57.5 86.3

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#14

Allyl chloride

Concen: 51.11 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

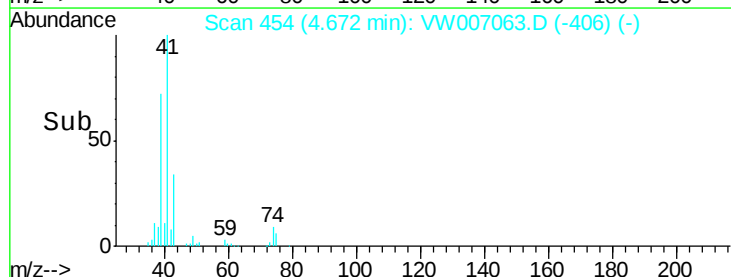
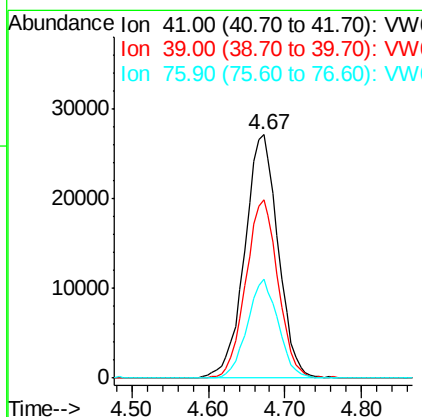
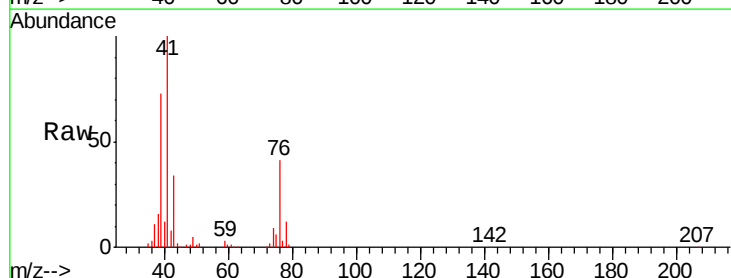
Tgt Ion: 41 Resp: 82496

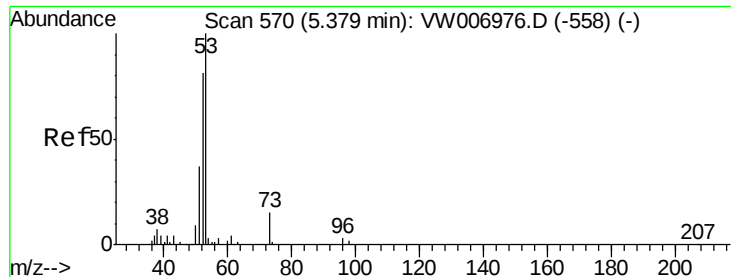
Ion Ratio Lower Upper

41 100

39 70.7 55.4 83.2

76 37.5 29.6 44.4





#15

Acrylonitrile

Concen: 299.78 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

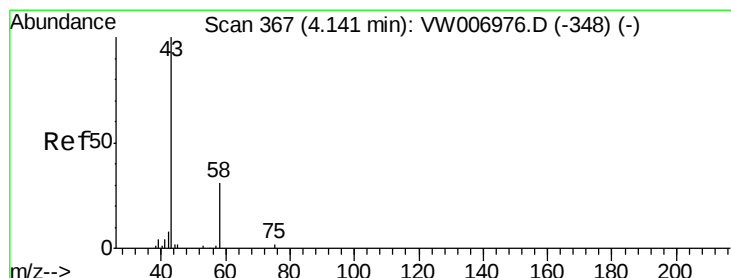
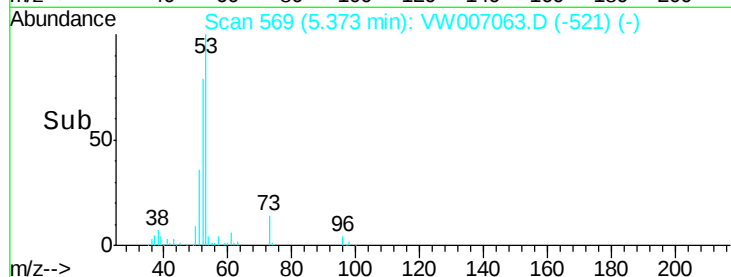
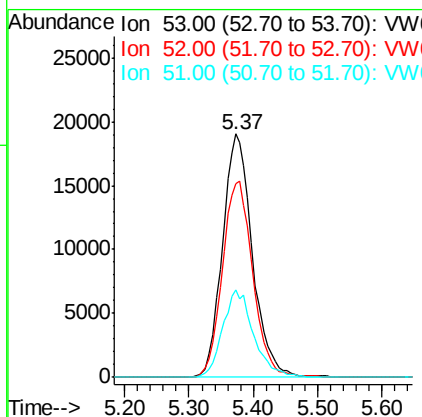
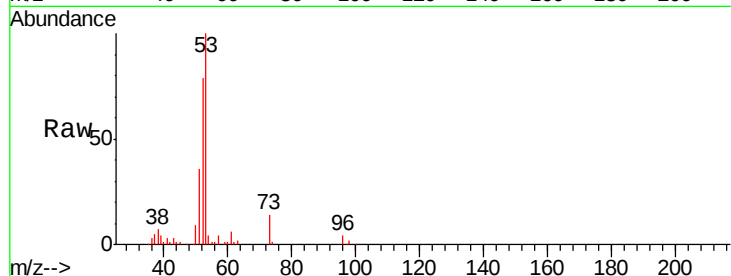
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	62137
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	37.0	29.9	44.9

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#16

Acetone

Concen: 298.20 ug/l m

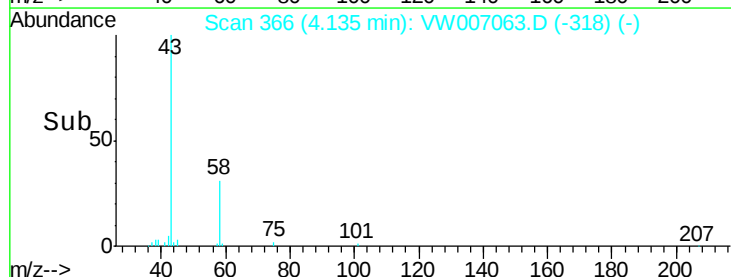
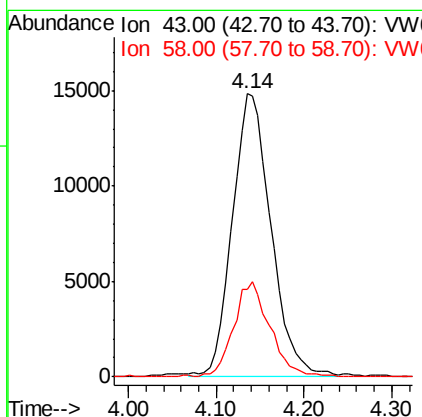
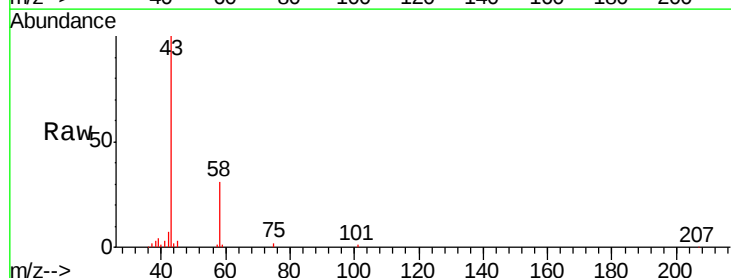
RT: 4.14 min Scan# 366

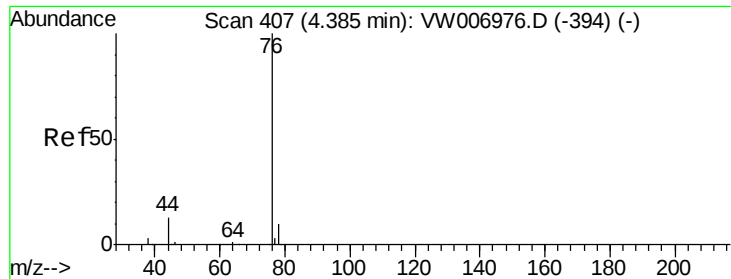
Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	43	Resp:	45571
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.8	37.2





#17

Carbon Disulfide

Concen: 54.06 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 170088

Ion Ratio Lower Upper

76 100

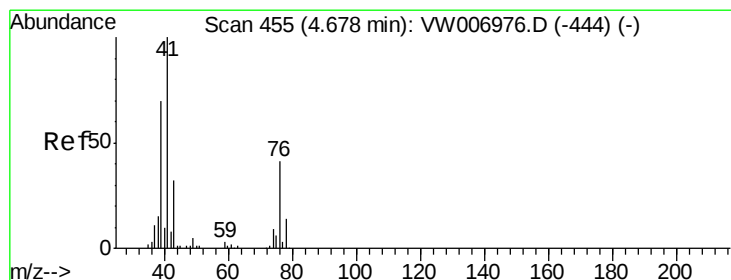
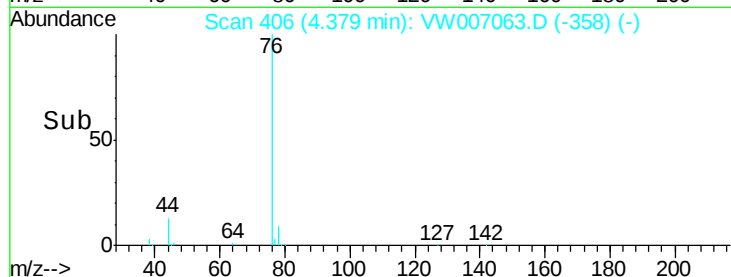
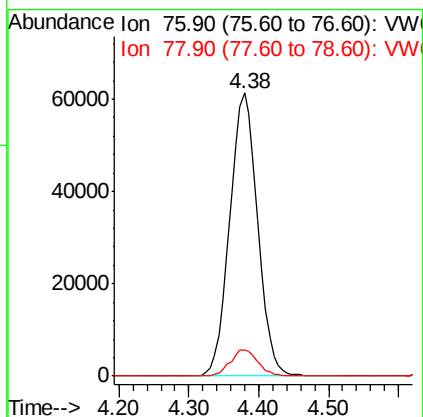
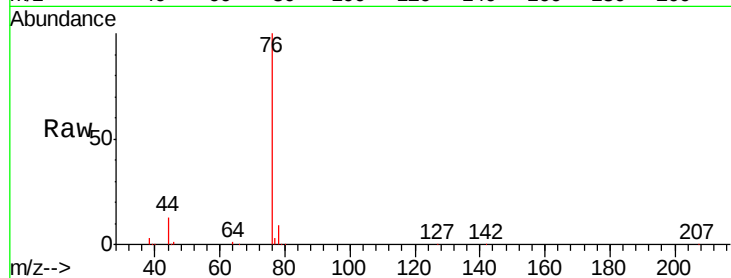
78 9.3 7.8 11.6

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#18

Methyl Acetate

Concen: 56.66 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW007063.D

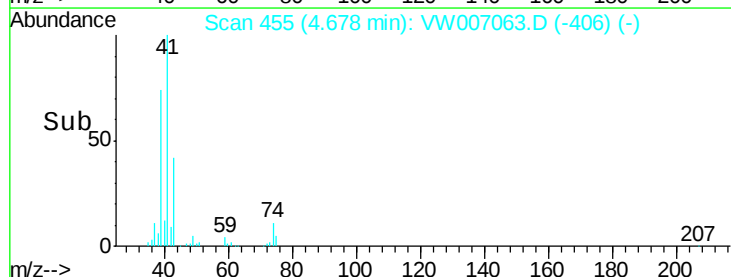
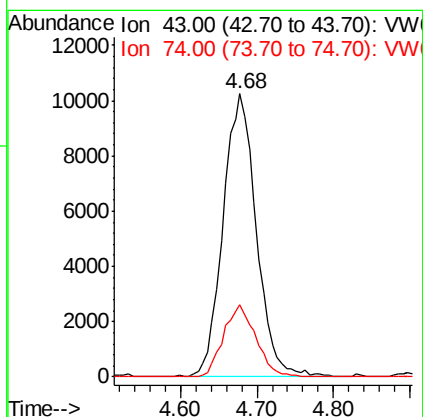
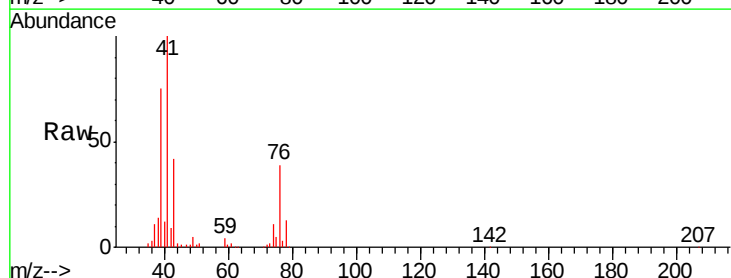
Acq: 26 Nov 2018 23:38

Tgt Ion: 43 Resp: 30833

Ion Ratio Lower Upper

43 100

74 24.7 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 57.38 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 145789

Ion Ratio Lower Upper

73 100

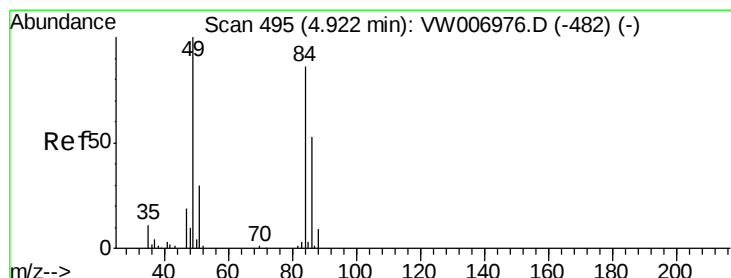
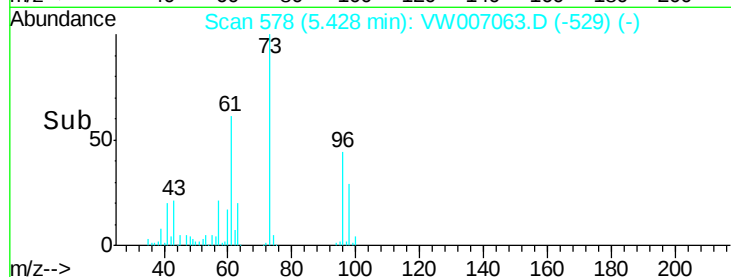
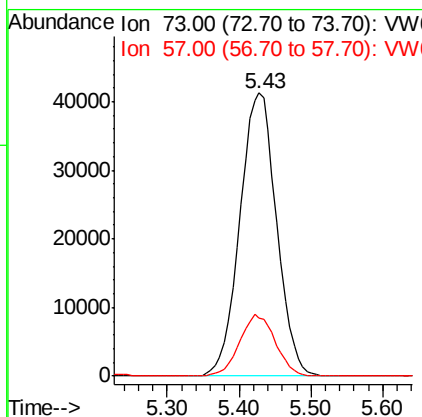
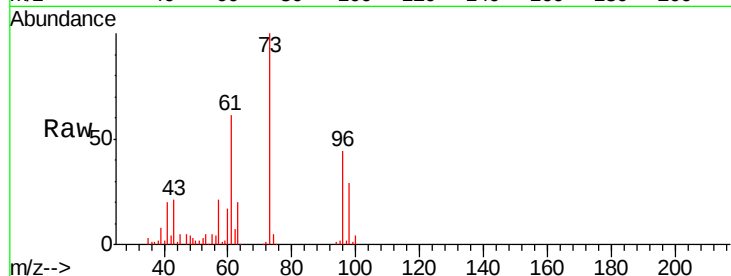
57 20.7 16.7 25.1

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#20

Methylene Chloride

Concen: 49.91 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion: 84 Resp: 60798

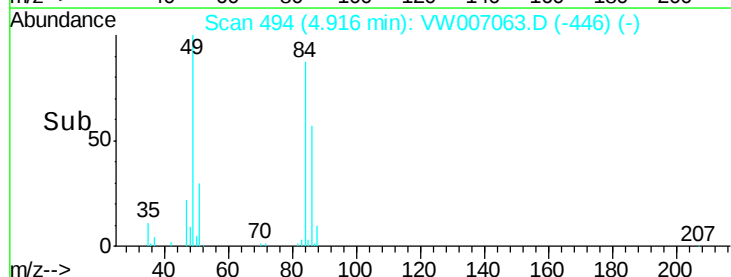
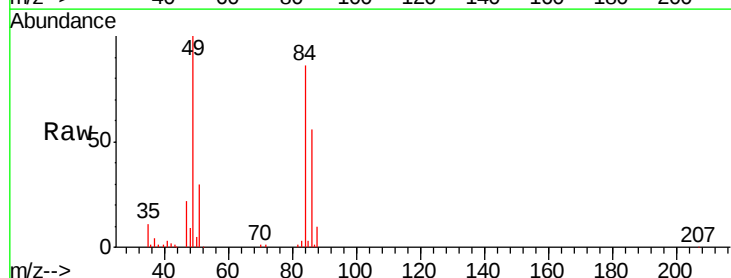
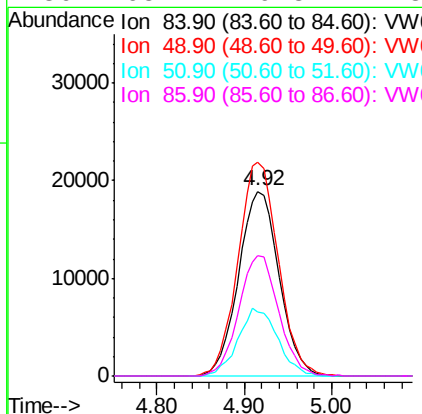
Ion Ratio Lower Upper

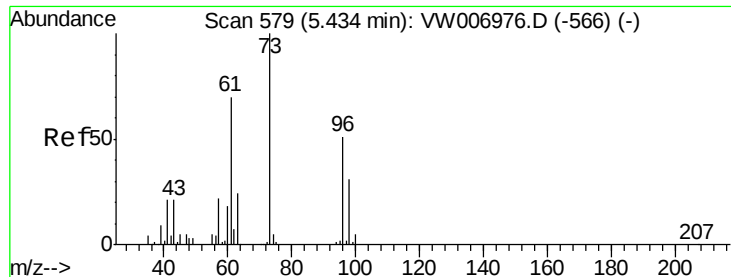
84 100

49 115.6 93.4 140.0

51 34.7 28.4 42.6

86 65.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.28 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

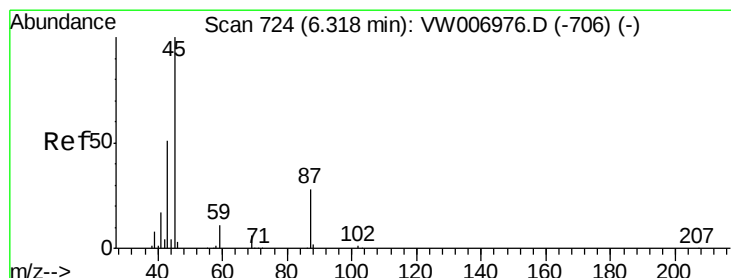
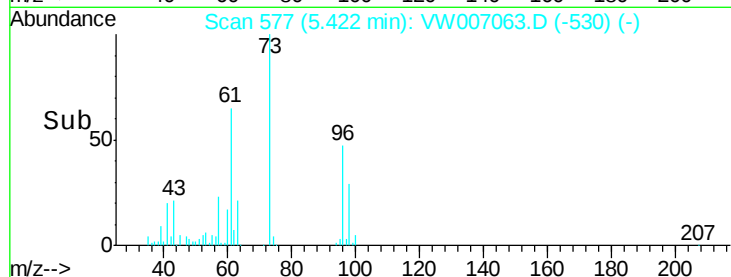
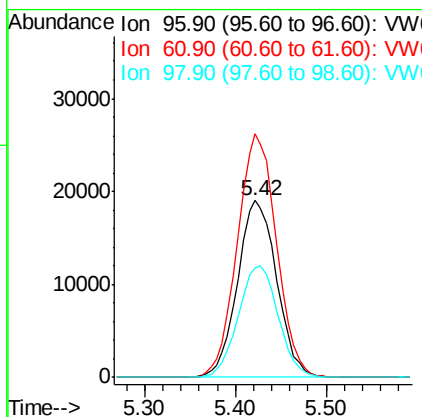
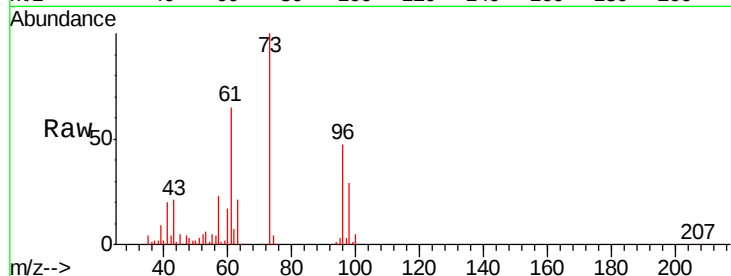
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	56996
Ion	Ratio	Lower	Upper
96	100		
61	137.7	109.4	164.0
98	62.0	48.3	72.5

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#22

Diisopropyl ether

Concen: 52.95 ug/l

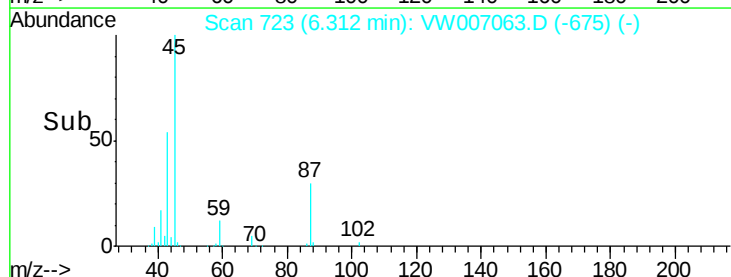
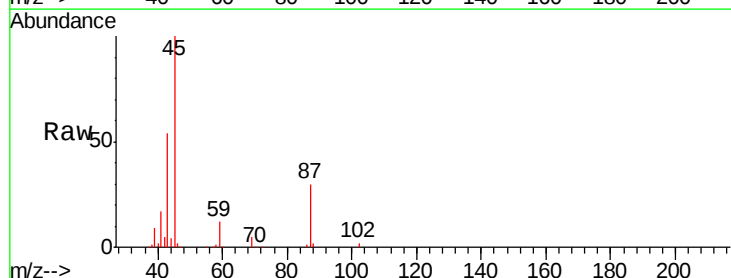
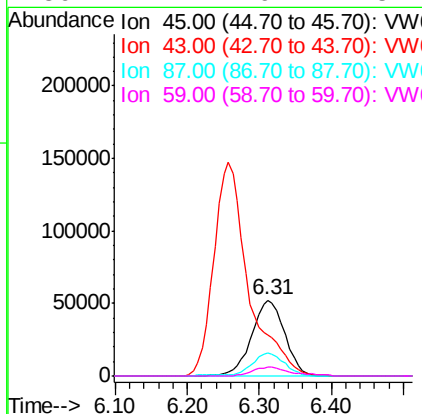
RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	45	Resp:	166335
Ion	Ratio	Lower	Upper
45	100		
43	53.7	42.5	63.7
87	29.7	22.8	34.2
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 294.91 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 492012

Ion Ratio Lower Upper

43 100

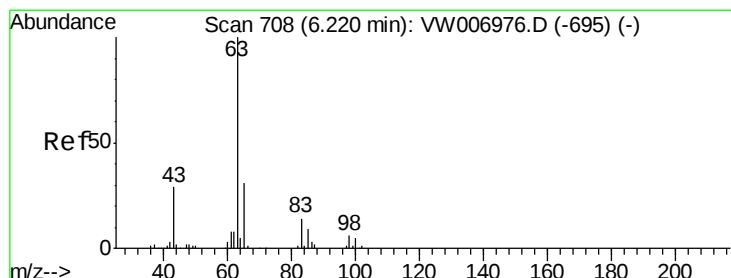
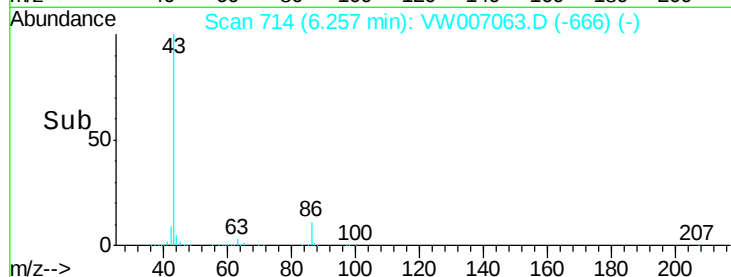
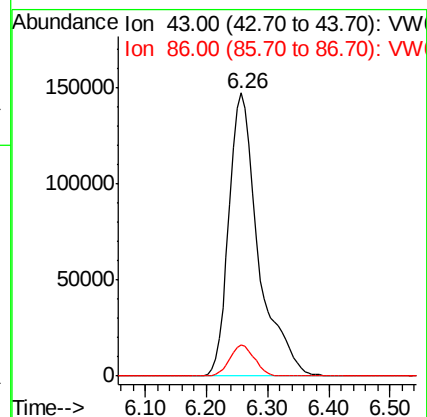
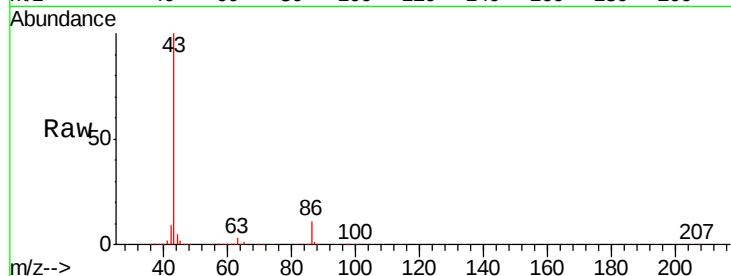
86 11.2 8.7 13.1

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#24

1,1-Dichloroethane

Concen: 51.27 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

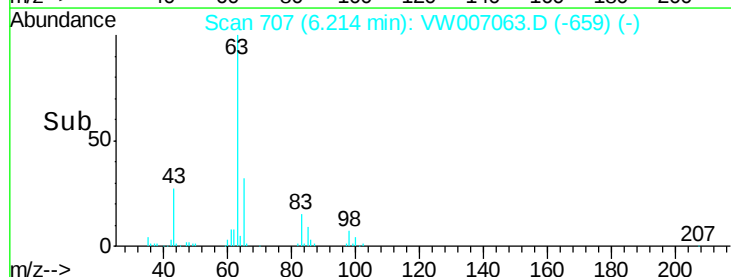
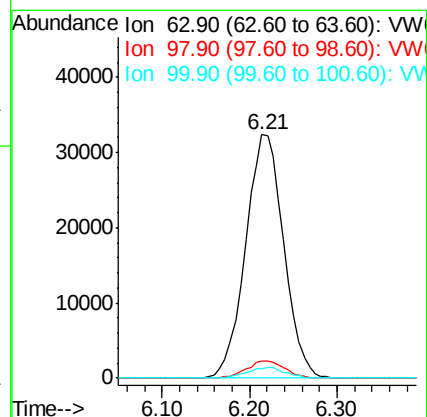
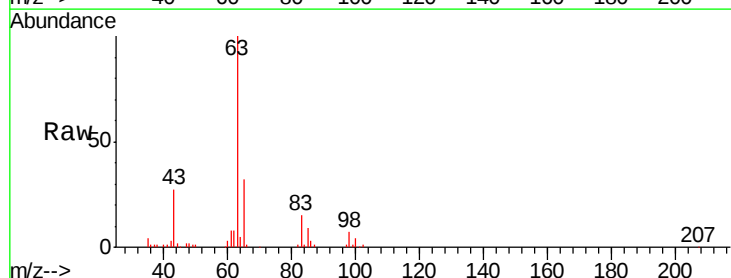
Tgt Ion: 63 Resp: 97982

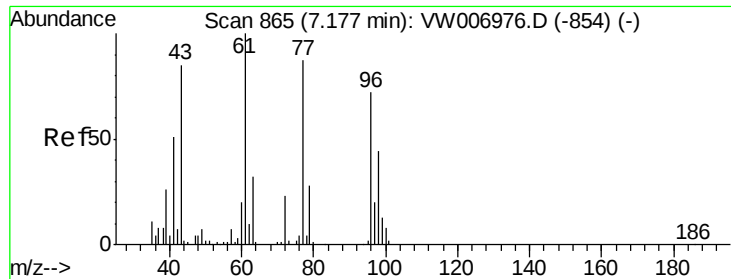
Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

100 3.8 2.3 6.9





#25

2-Butanone

Concen: 285.74 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 74789

Ion Ratio Lower Upper

43 100

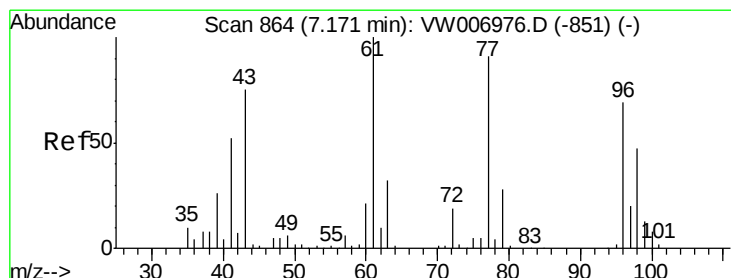
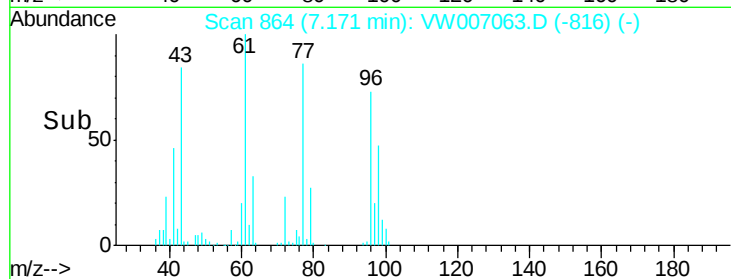
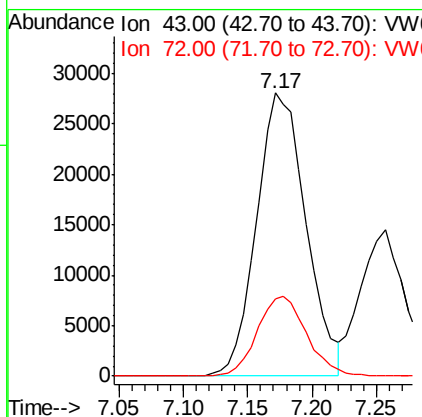
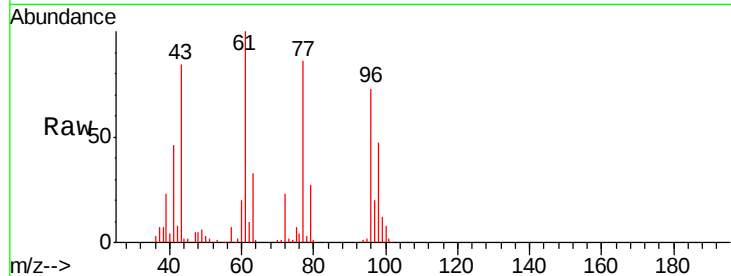
72 27.2 21.3 31.9

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#26

2,2-Dichloropropane

Concen: 48.27 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007063.D

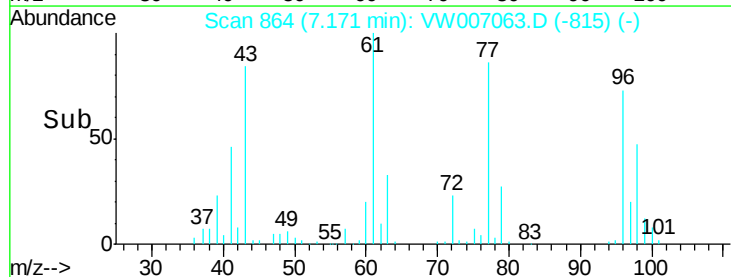
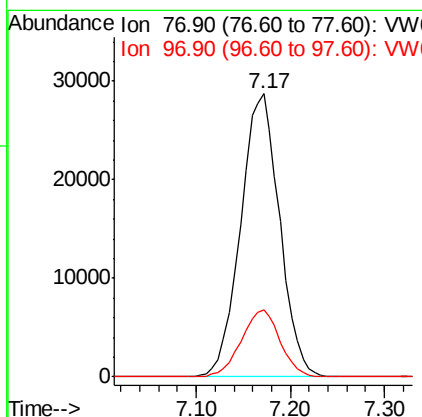
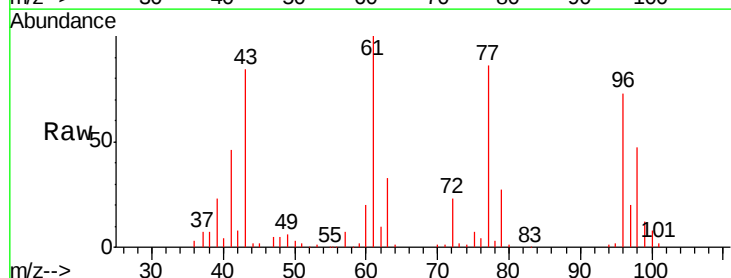
Acq: 26 Nov 2018 23:38

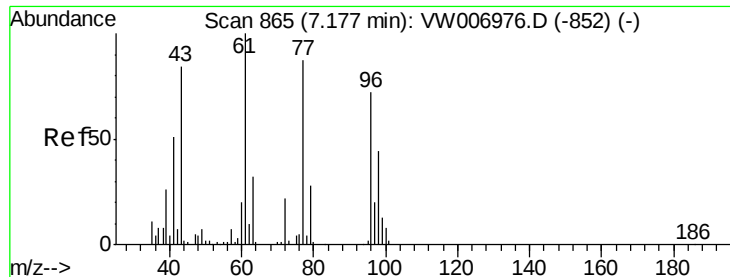
Tgt Ion: 77 Resp: 82963

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 52.44 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

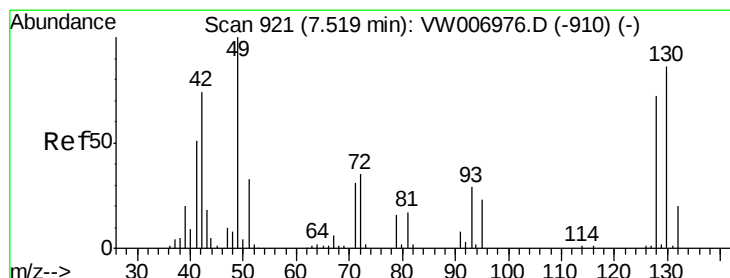
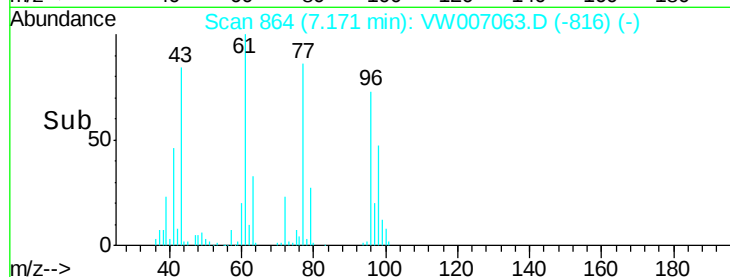
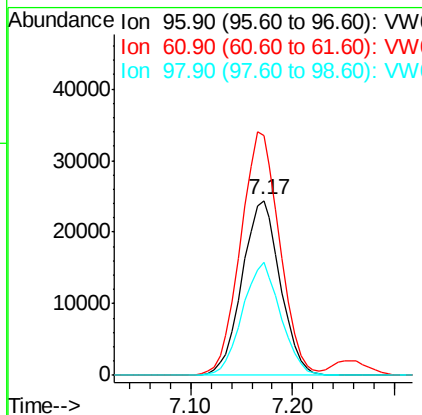
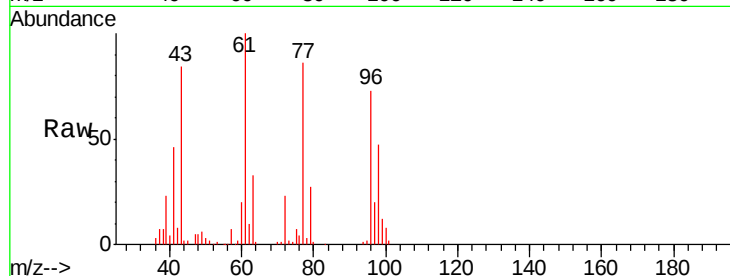
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	63306
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	292.6
98	64.7	0.0	129.8

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#28

Bromochloromethane

Concen: 58.03 ug/l

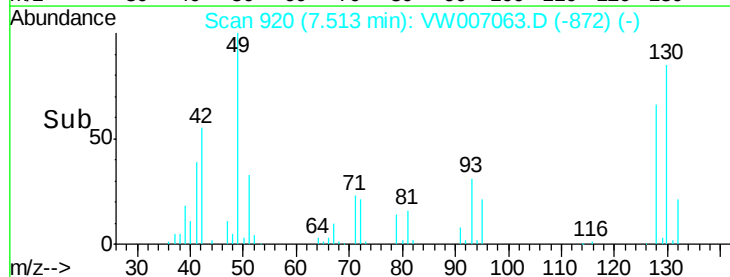
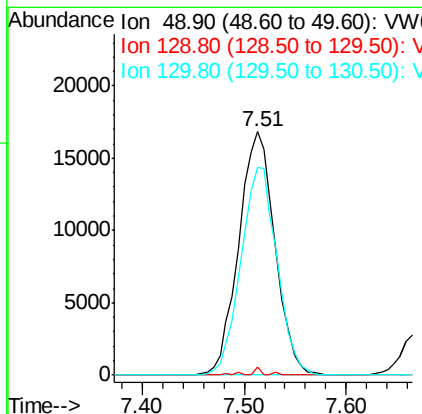
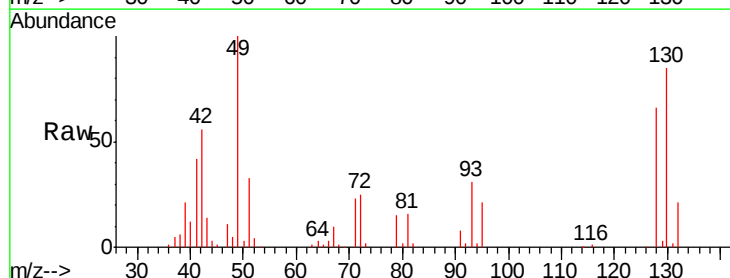
RT: 7.51 min Scan# 920

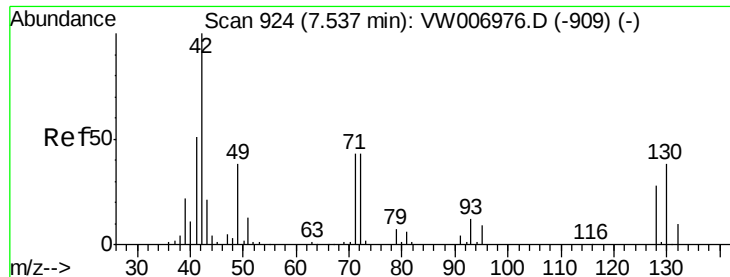
Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	49	Resp:	41454
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.0
130	85.3	69.0	103.4





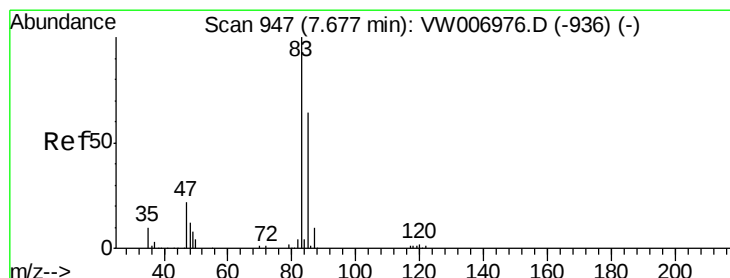
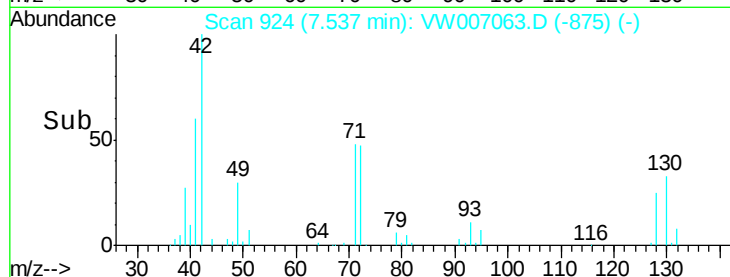
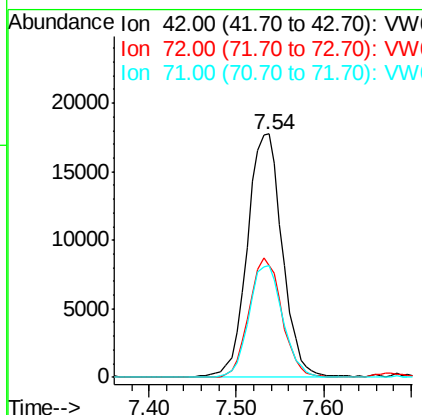
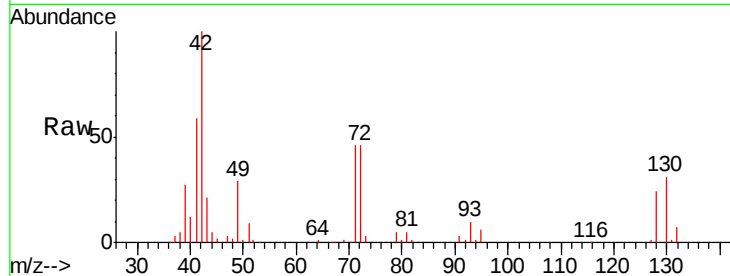
#29
Tetrahydrofuran
Concen: 290.31 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.2	54.4
71	44.4	33.8	50.8

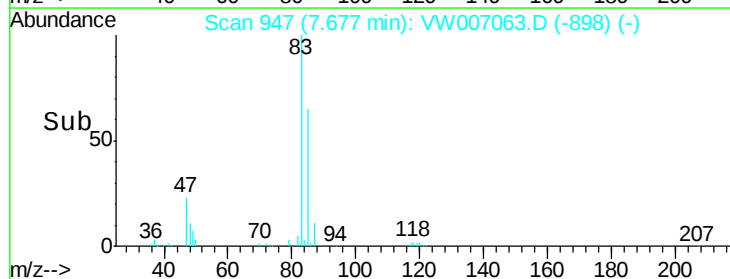
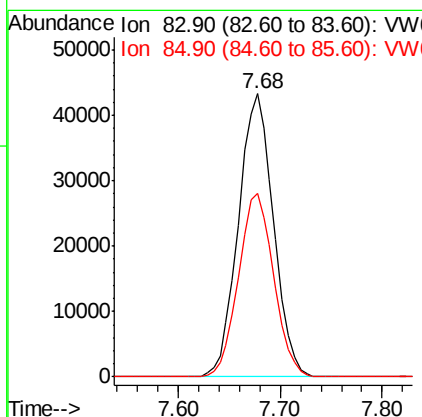
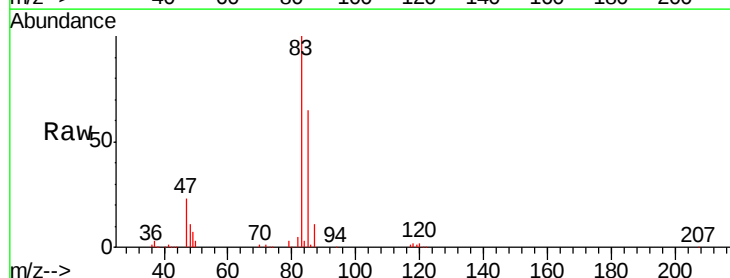
Manual Integrations
APPROVED

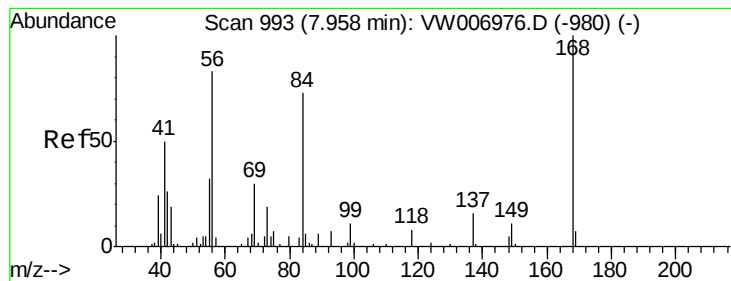
apatel
11/27/2018 3:03:09 PM



#30
Chloroform
Concen: 50.82 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3





#31

Cyclohexane

Concen: 45.58 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

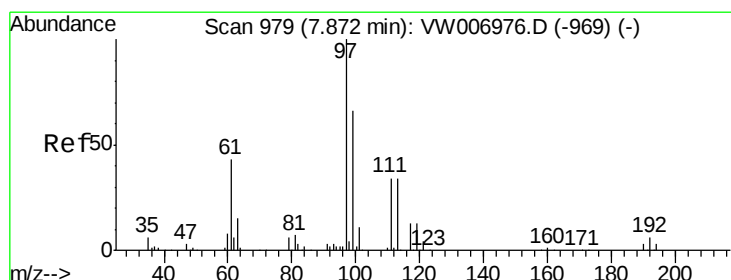
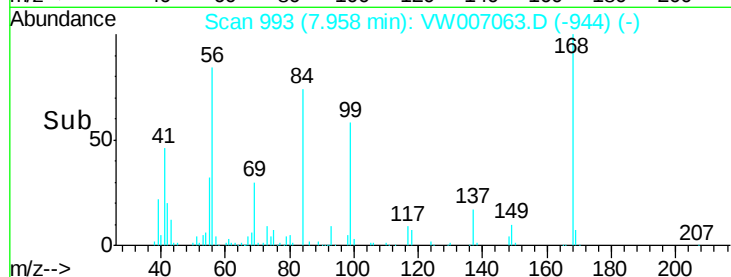
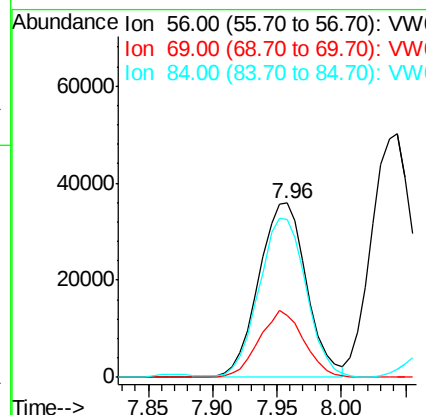
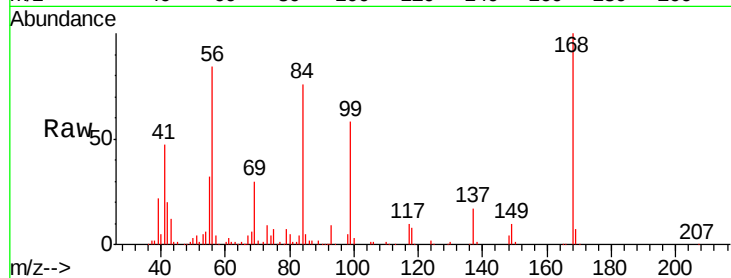
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	92390
Ion	Ratio	Lower	Upper
56	100		
69	35.6	29.1	43.7
84	89.3	70.6	105.8

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#32

1,1,1-Trichloroethane

Concen: 52.27 ug/l

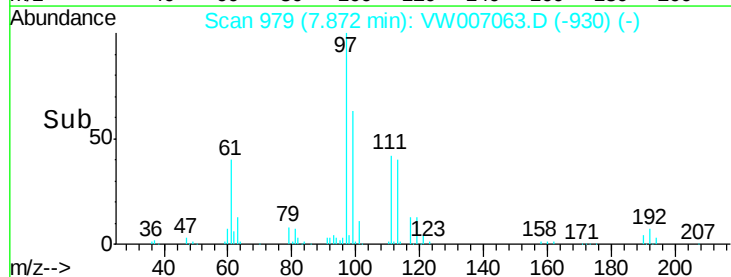
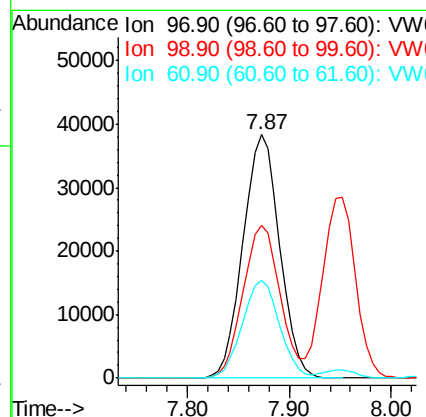
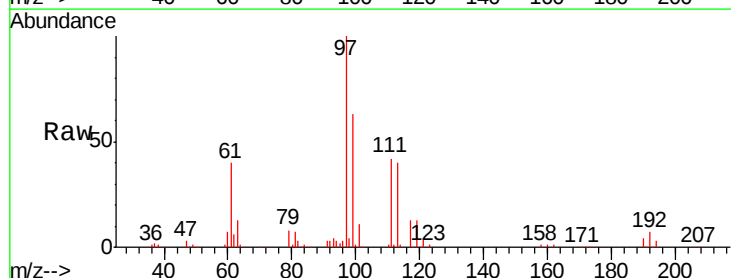
RT: 7.87 min Scan# 979

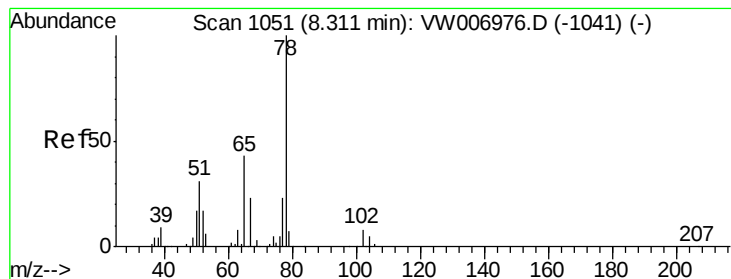
Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	97	Resp:	95591
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.9	77.9
61	40.7	33.4	50.2





#33

1,2-Dichloroethane-d4

Concen: 54.48 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 57343

Ion Ratio Lower Upper

65 100

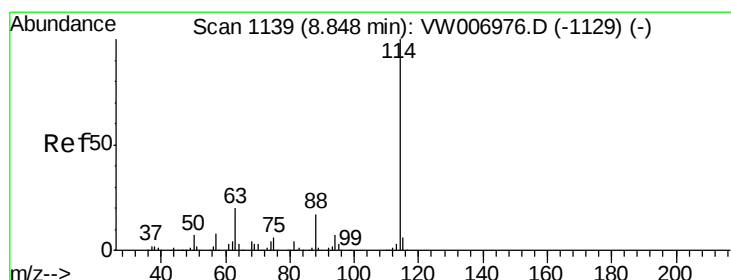
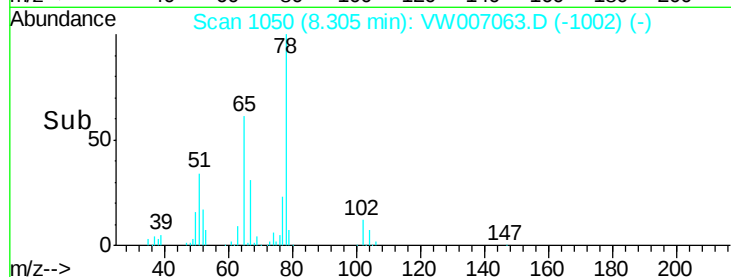
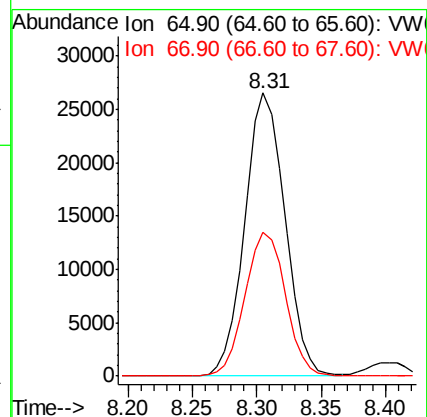
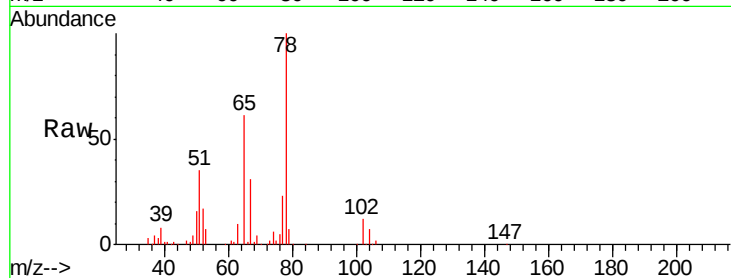
67 51.4 0.0 106.2

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

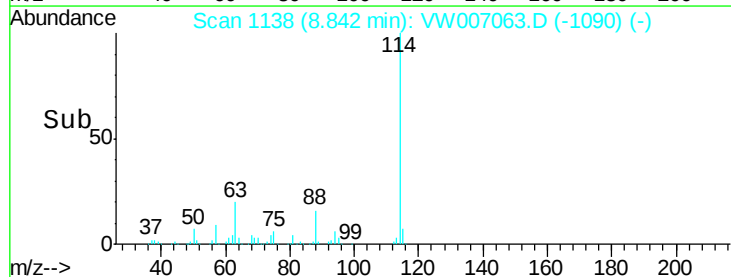
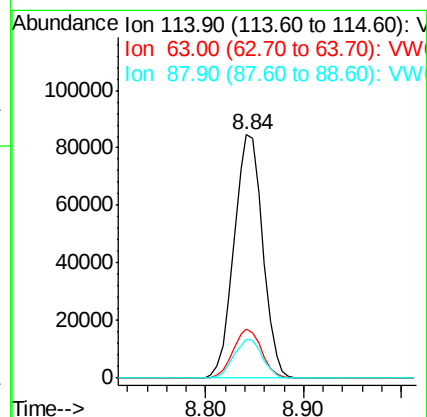
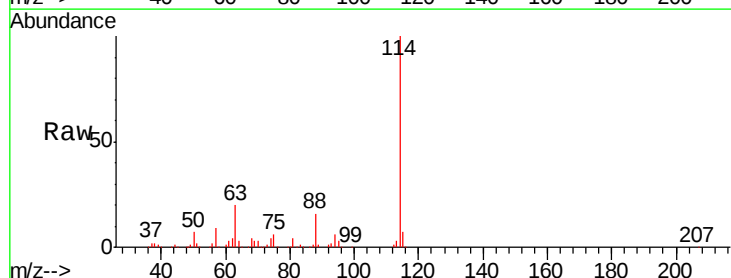
Tgt Ion: 114 Resp: 171953

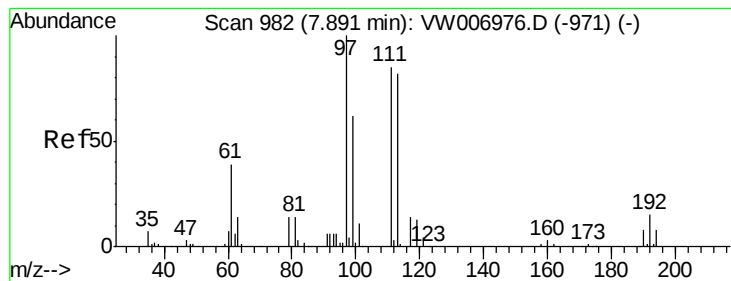
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

88 16.0 0.0 34.2





#35

Dibromofluoromethane

Concen: 53.39 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

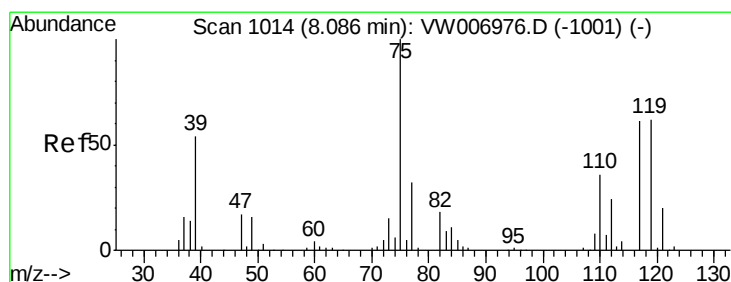
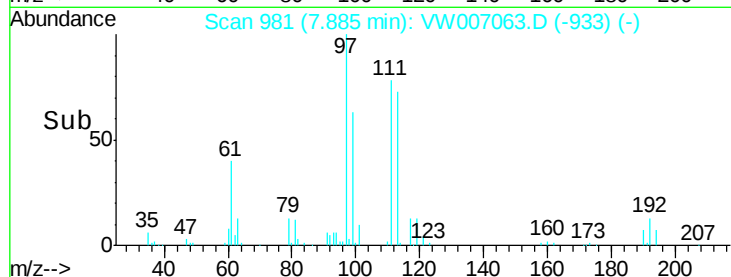
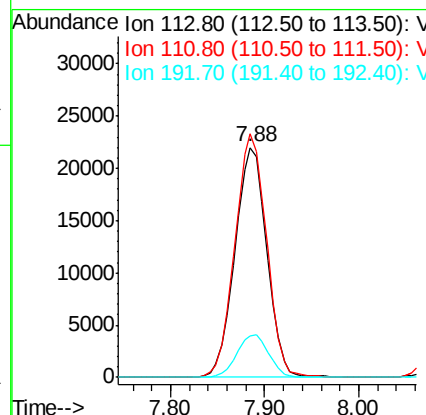
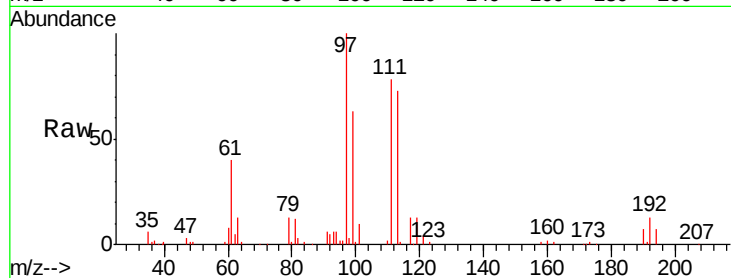
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	51847
Ion Ratio	Lower	Upper	
113	100		
111	105.1	81.0	121.6
192	18.4	15.0	22.6

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#36

1,1-Dichloropropene

Concen: 49.58 ug/l

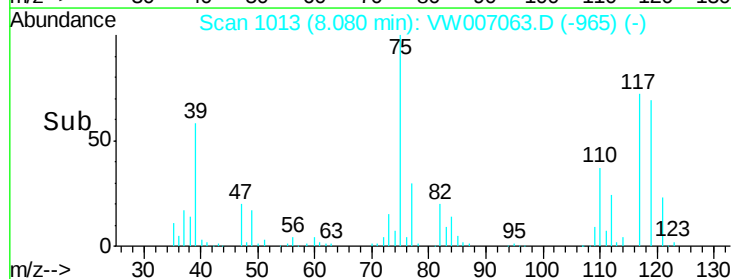
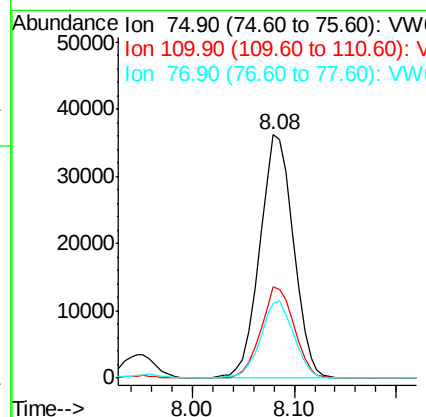
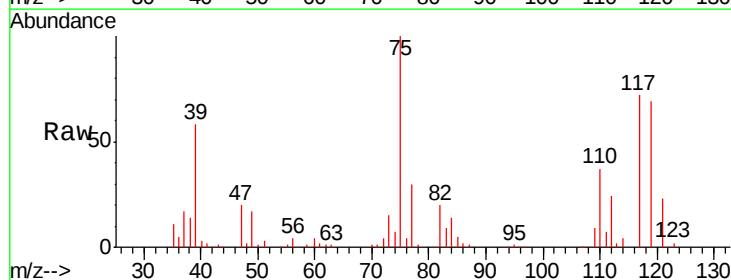
RT: 8.08 min Scan# 1013

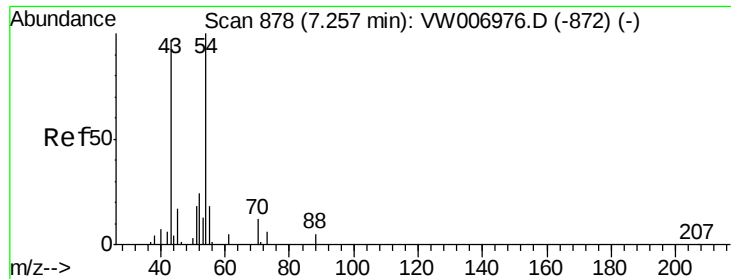
Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	75	Resp:	83312
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.0	54.0
77	31.1	24.9	37.3





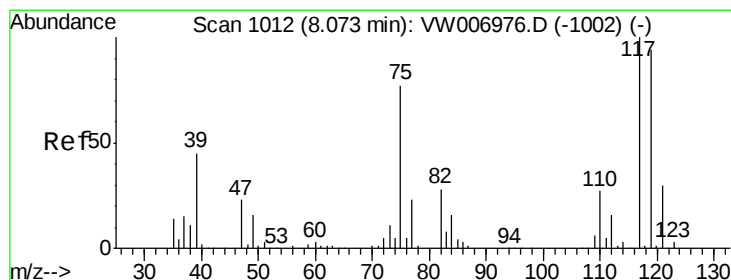
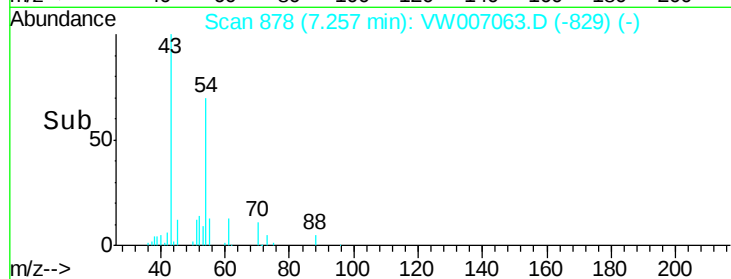
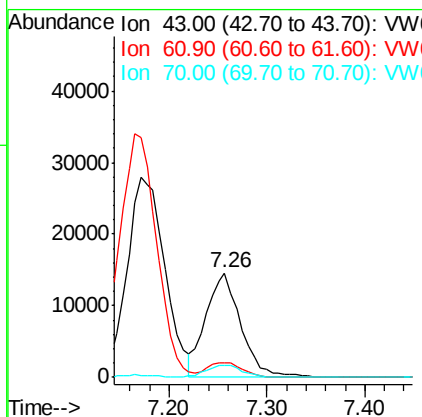
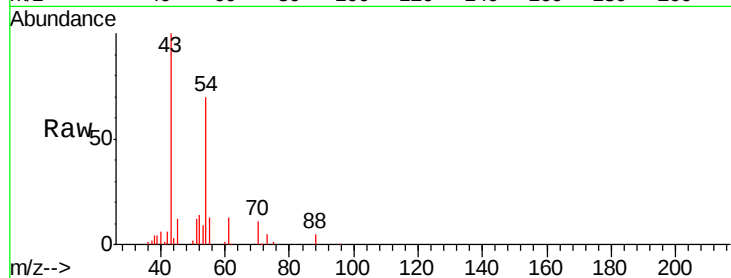
#37
Ethyl Acetate
Concen: 58.81 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 35813
Ion Ratio Lower Upper
43 100
61 14.2 10.4 15.6
70 11.9 8.8 13.2

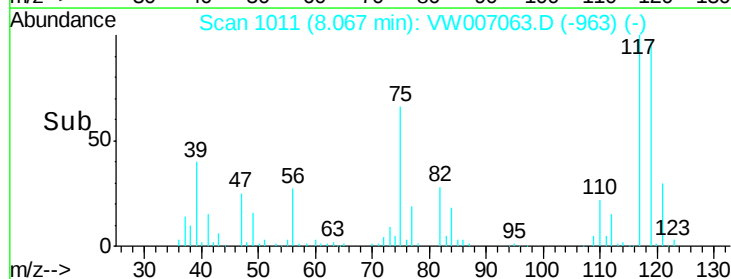
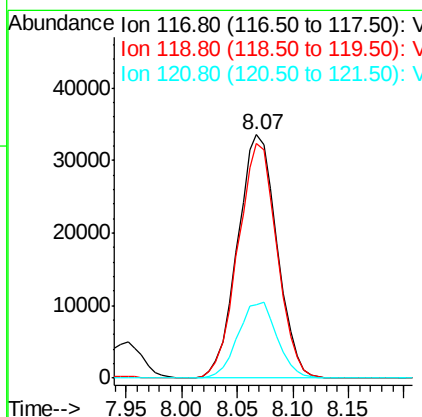
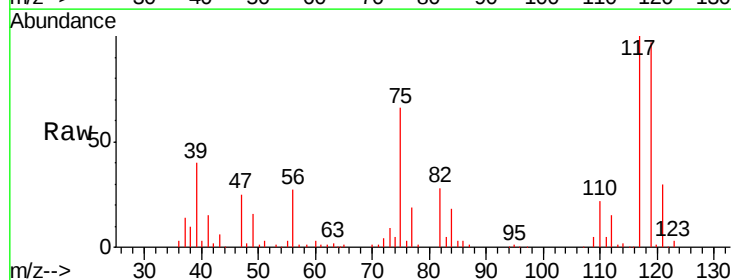
Manual Integrations
APPROVED

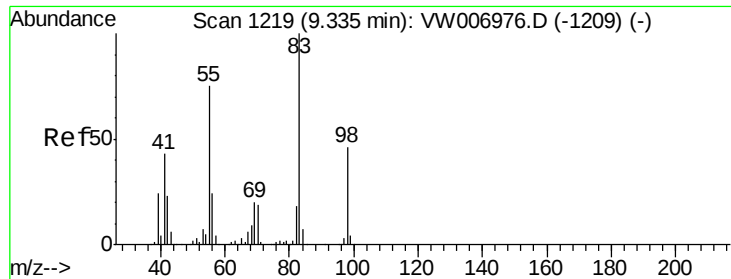
apatel
11/27/2018 3:03:09 PM



#38
Carbon Tetrachloride
Concen: 51.30 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion: 117 Resp: 82541
Ion Ratio Lower Upper
117 100
119 96.5 74.9 112.3
121 30.3 23.6 35.4





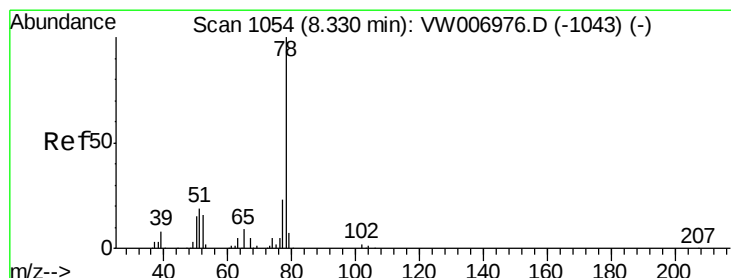
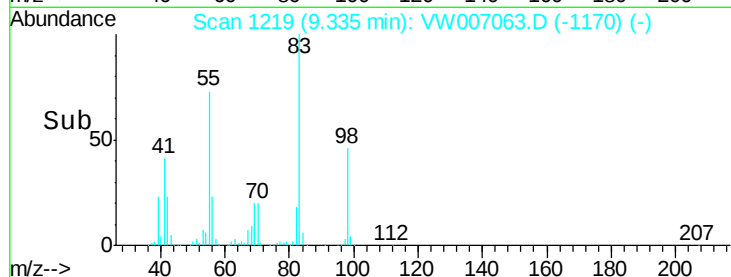
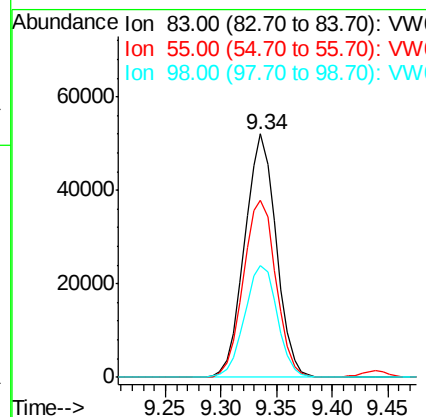
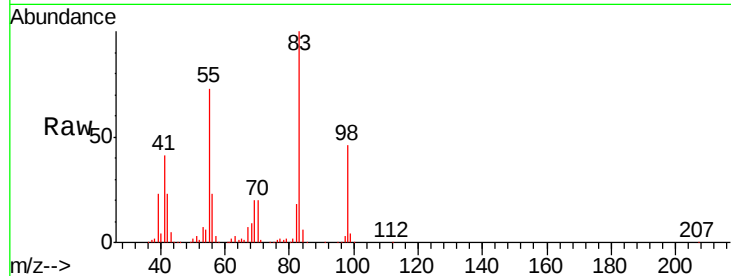
#39
Methylcyclohexane
Concen: 48.74 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.7	59.6	89.4
98	45.9	37.1	55.7

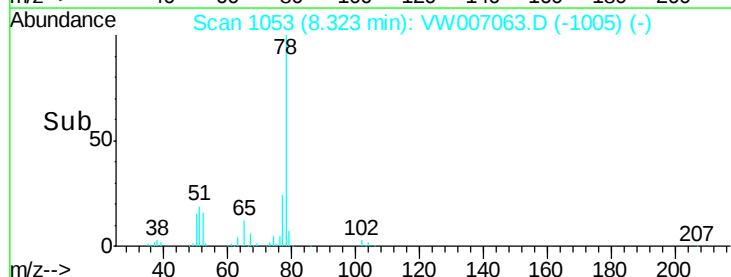
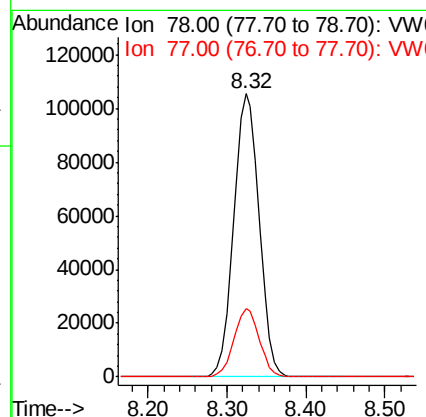
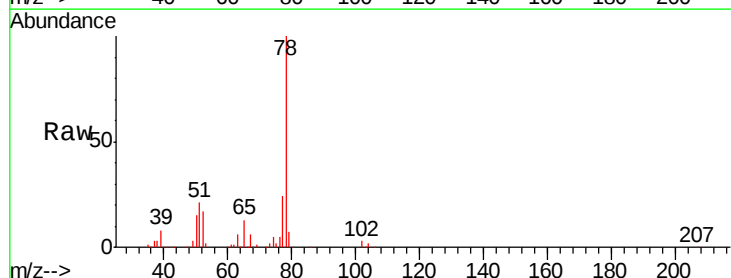
Manual Integrations
APPROVED

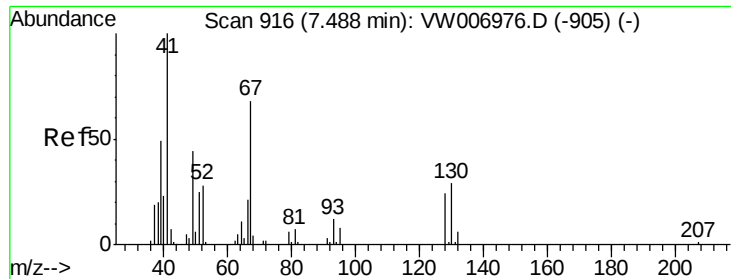
apatel
11/27/2018 3:03:09 PM



#40
Benzene
Concen: 51.89 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.6	28.0





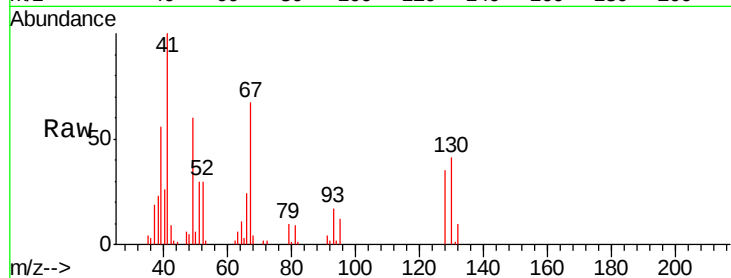
#41
Methacrylonitrile
Concen: 54.28 ug/l m
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

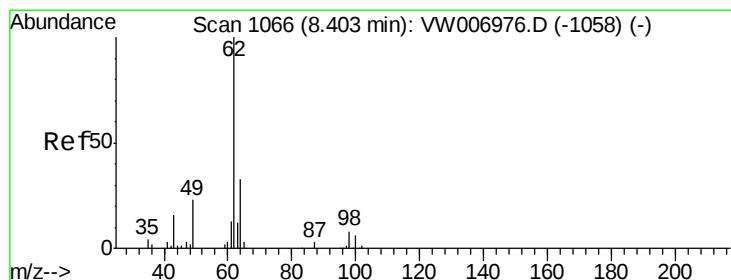
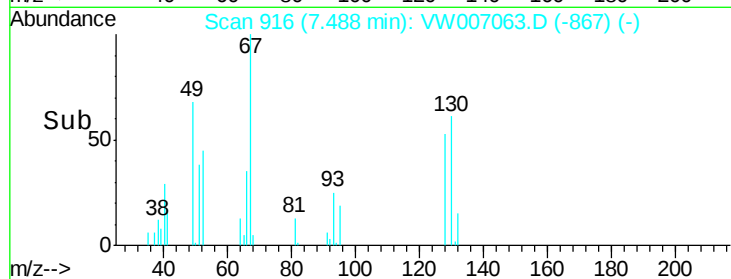
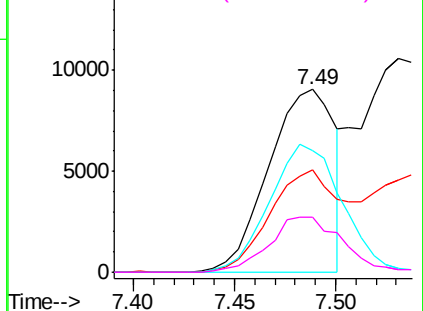
Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.9	48.6	73.0
67	77.4	59.8	89.8
52	33.6	24.8	37.2

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM

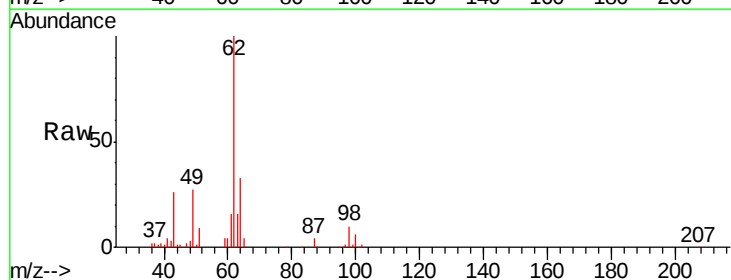


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

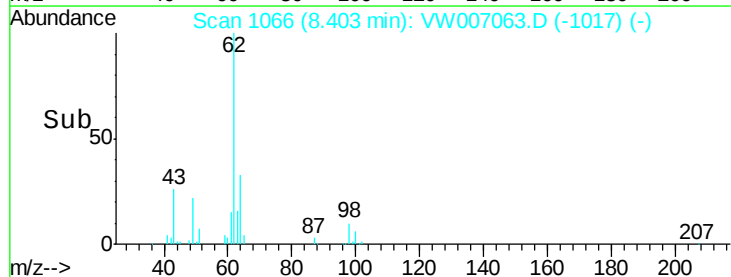
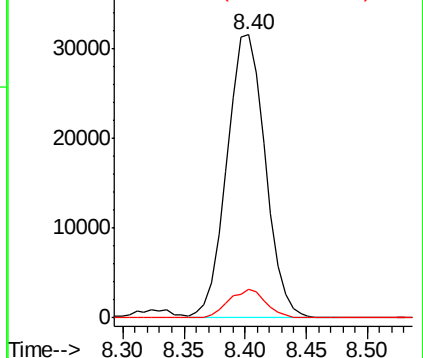


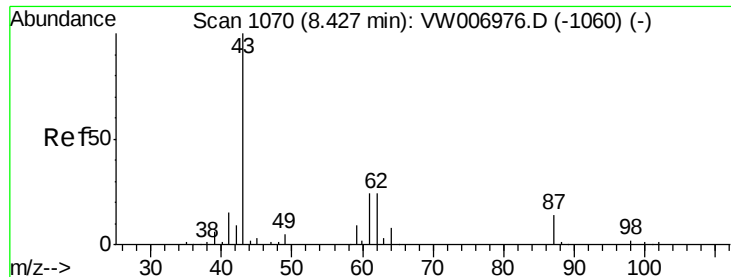
#42
1,2-Dichloroethane
Concen: 52.20 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 60.89 ug/l m

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

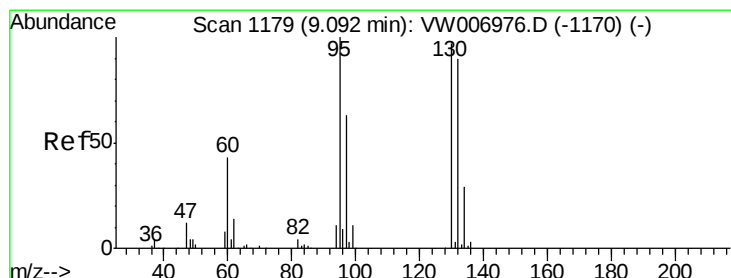
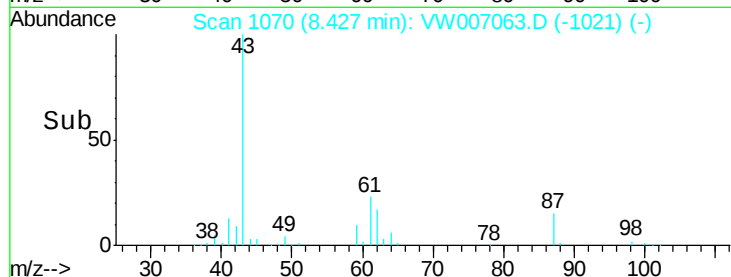
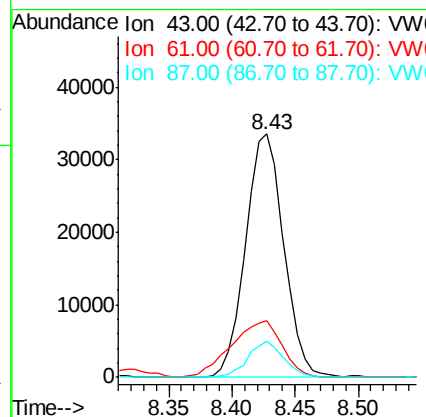
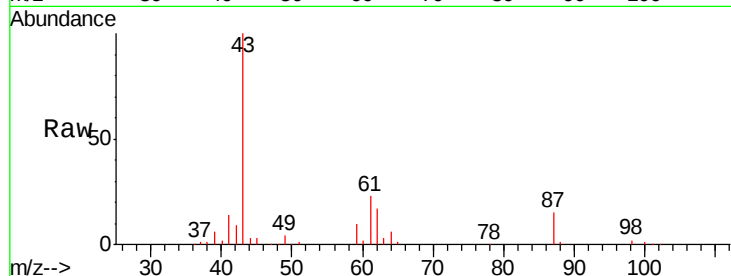
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	70656
Ion	Ratio	Lower	Upper
43	100		
61	30.8	26.1	39.1
87	13.8	11.2	16.8

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#44

Trichloroethene

Concen: 52.68 ug/l

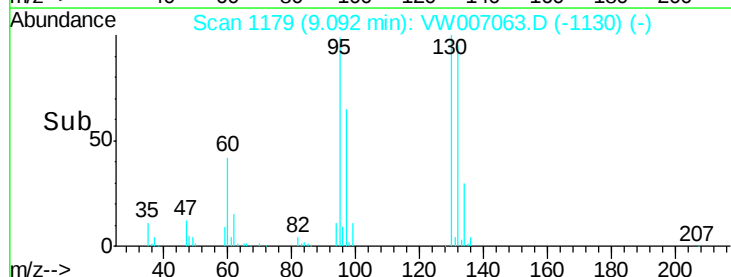
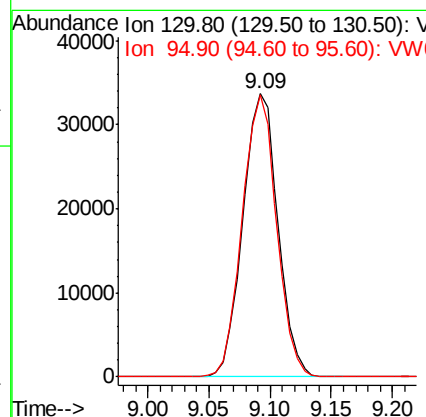
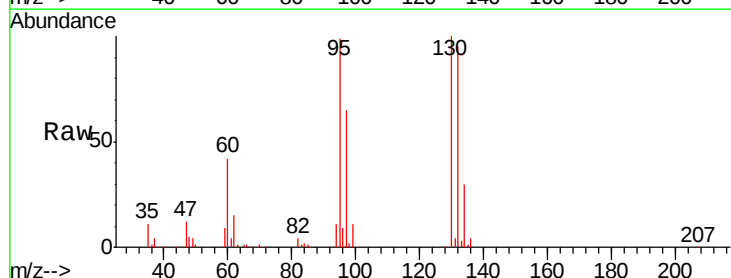
RT: 9.09 min Scan# 1179

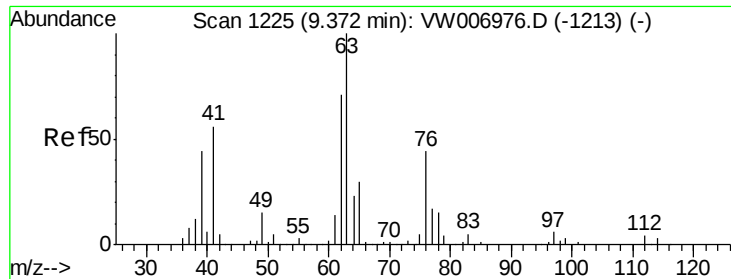
Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	130	Resp:	66983
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	206.4





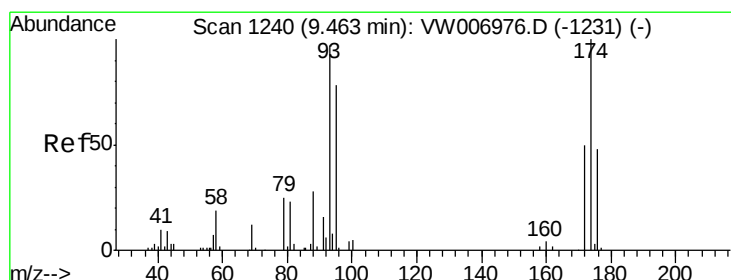
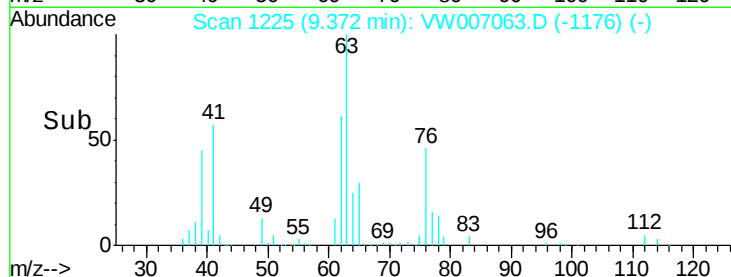
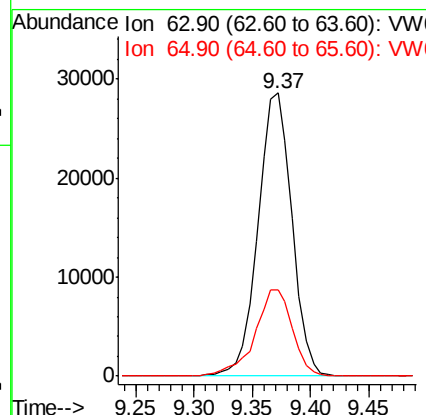
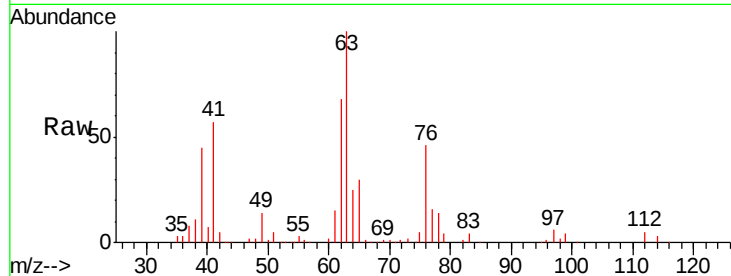
#45
 1,2-Dichloropropane
 Concen: 51.84 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 57966
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6

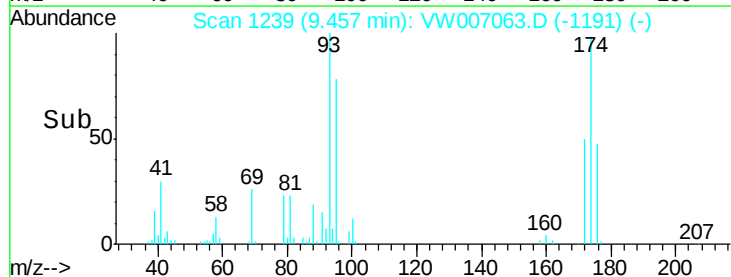
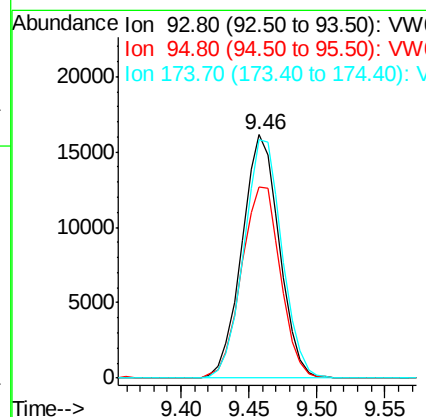
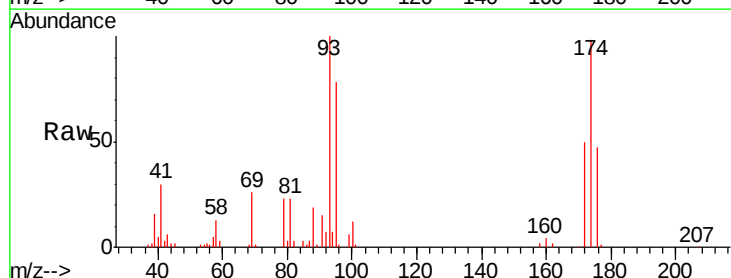
Manual Integrations
 APPROVED

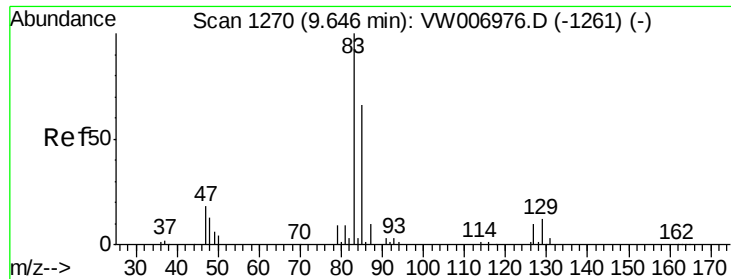
apatel
 11/27/2018 3:03:09 PM



#46
 Dibromomethane
 Concen: 55.21 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion: 93 Resp: 30913
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.1 99.1
 174 100.1 79.7 119.5





#47

Bromodichloromethane

Concen: 52.20 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

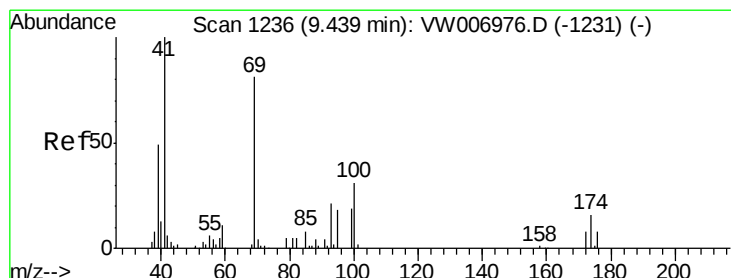
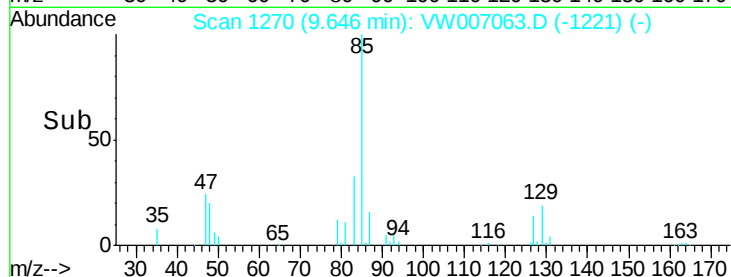
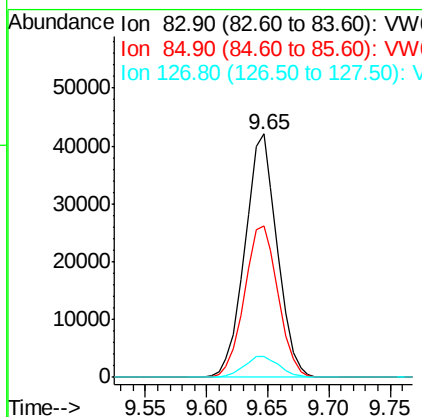
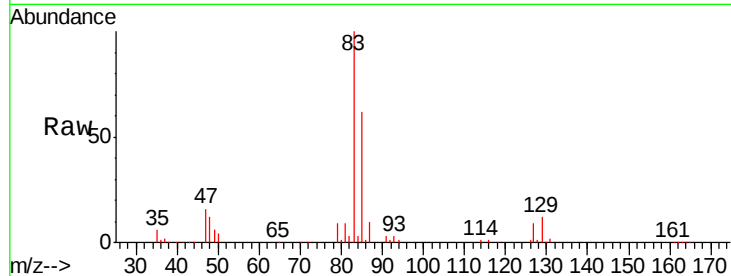
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	77005
Ion Ratio	Lower	Upper	
83	100		
85	62.4	52.9	79.3
127	8.5	7.8	11.6

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#48

Methyl methacrylate

Concen: 61.36 ug/l

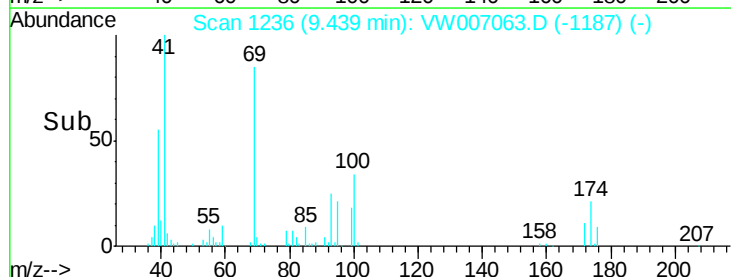
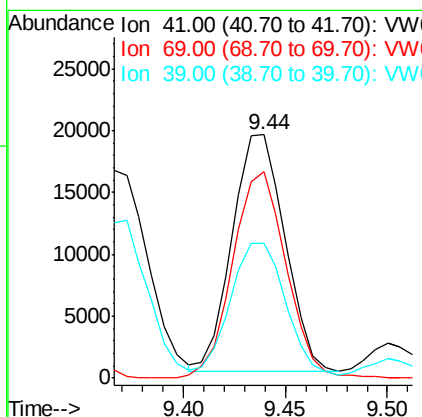
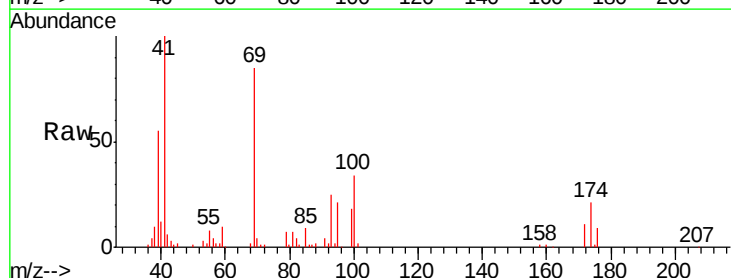
RT: 9.44 min Scan# 1236

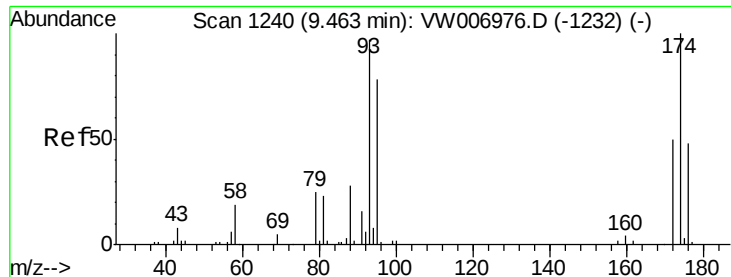
Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion:	41	Resp:	34331
Ion Ratio	Lower	Upper	
41	100		
69	89.1	71.4	107.0
39	61.5	44.8	67.2





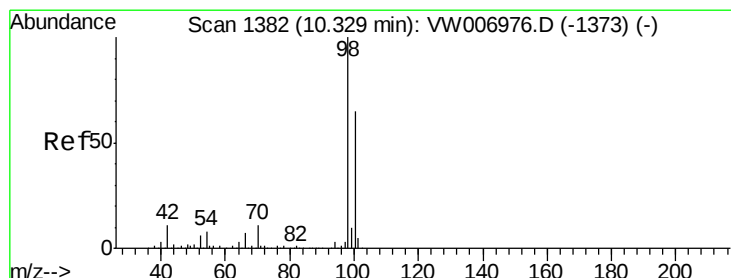
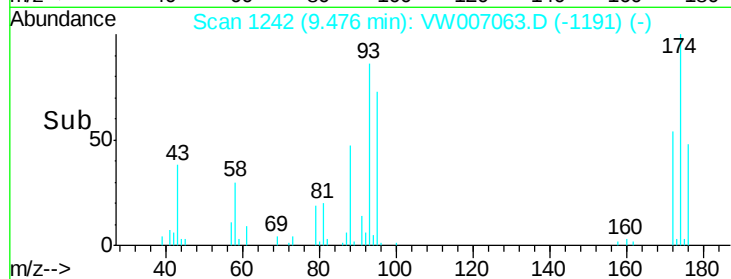
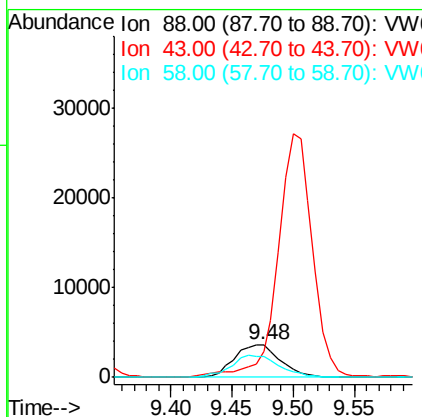
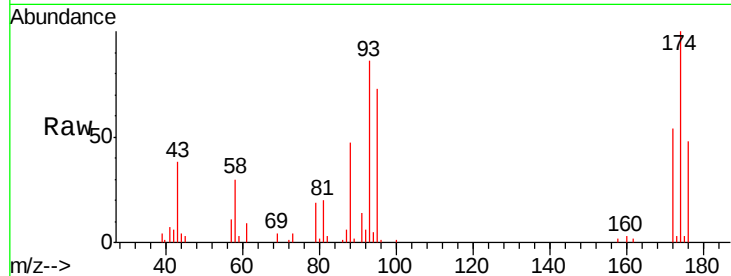
#49
1,4-Dioxane
Concen: 1147.76 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	9552		
43	0.0	0.0	0.0	0.0
58	70.6	59.0	88.6	

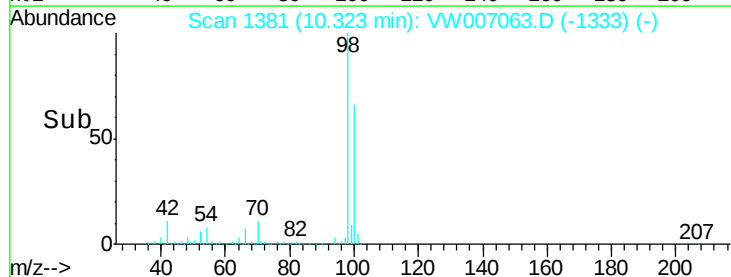
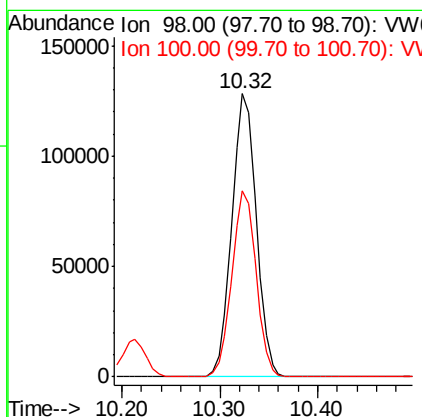
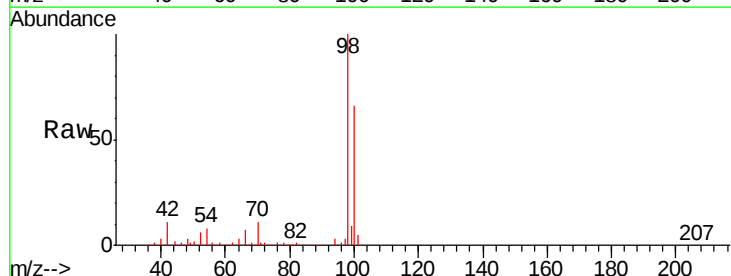
Manual Integrations
APPROVED

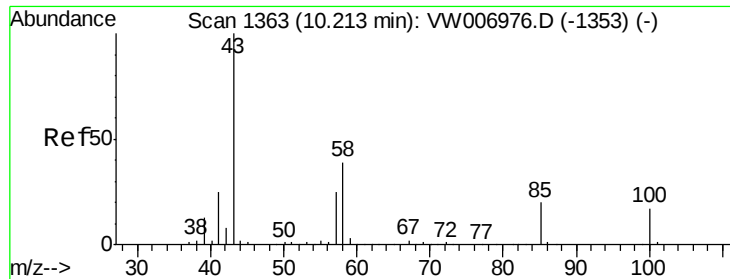
apatel
11/27/2018 3:03:09 PM



#50
Toluene-d8
Concen: 52.00 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	223001		
100	65.3	52.2	78.2	





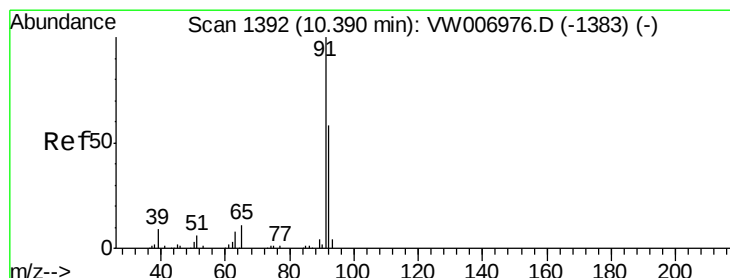
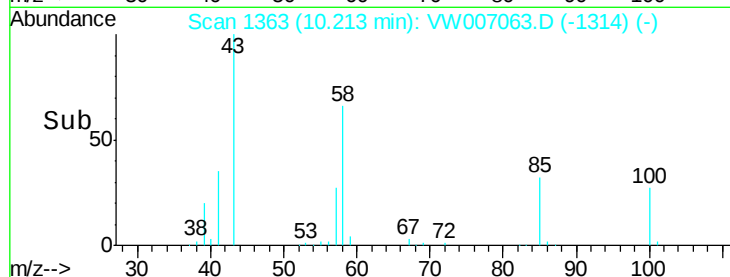
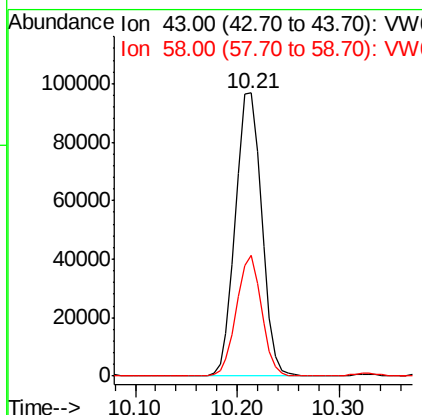
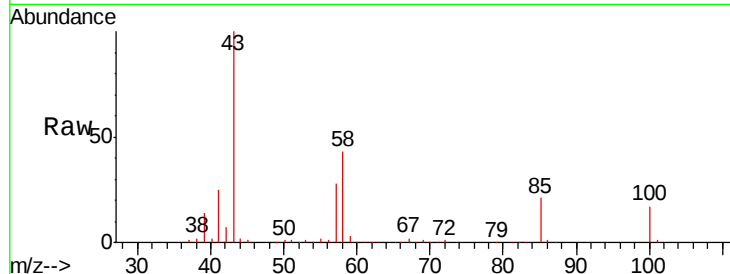
#51
 4-Methyl-2-Pentanone
 Concen: 295.40 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 173226
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.8 47.6

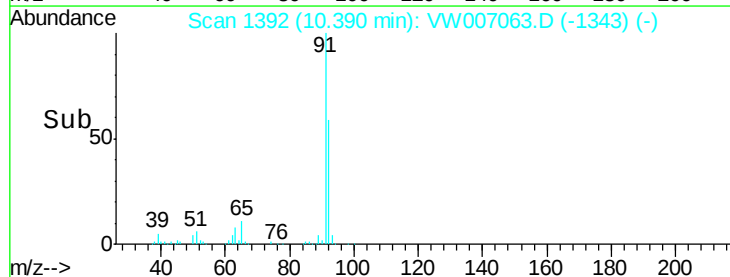
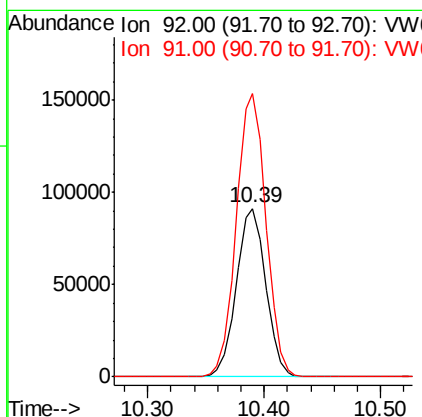
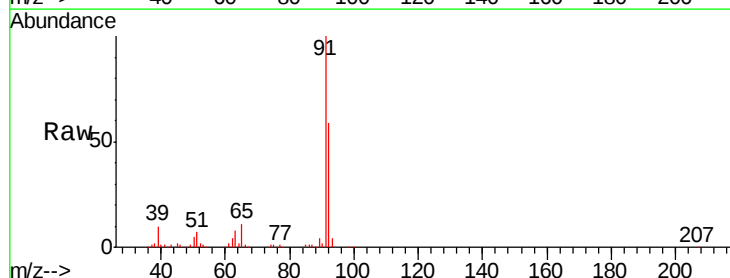
Manual Integrations
 APPROVED

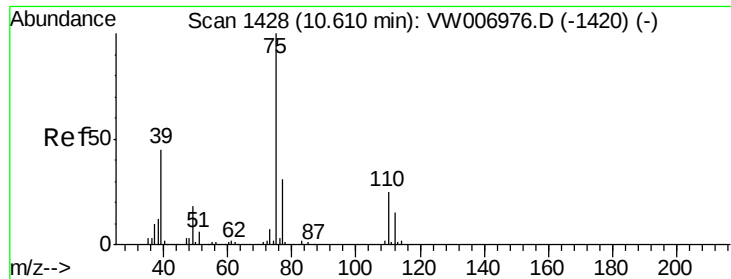
apatel
 11/27/2018 3:03:09 PM



#52
 Toluene
 Concen: 52.00 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion: 92 Resp: 160511
 Ion Ratio Lower Upper
 92 100
 91 169.5 137.3 205.9





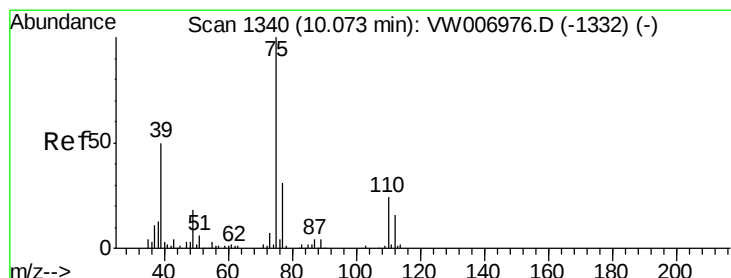
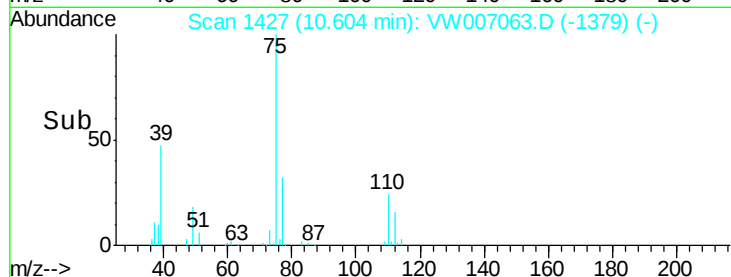
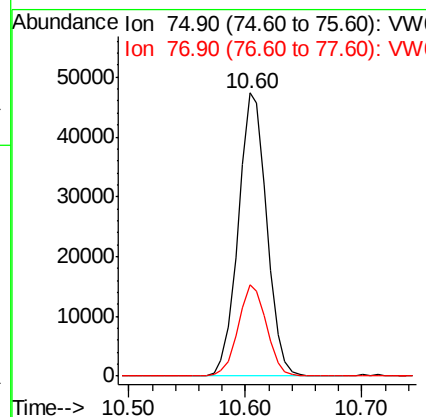
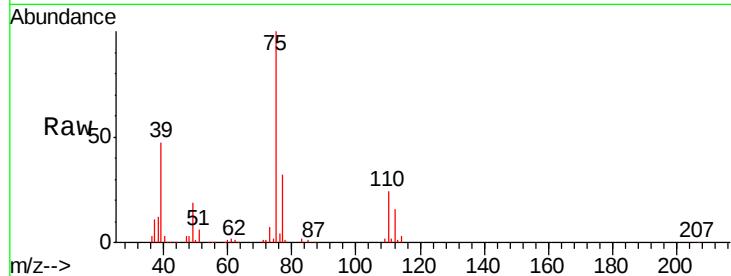
#53
 t-1,3-Dichloropropene
 Concen: 56.35 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 80534
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.7 37.1

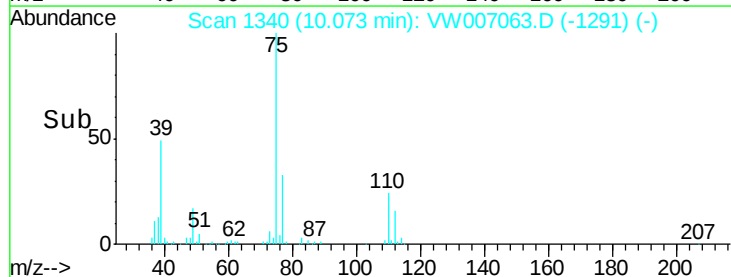
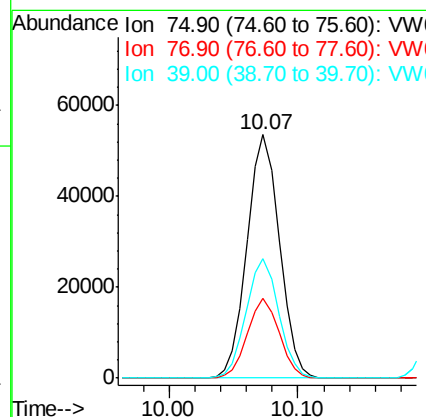
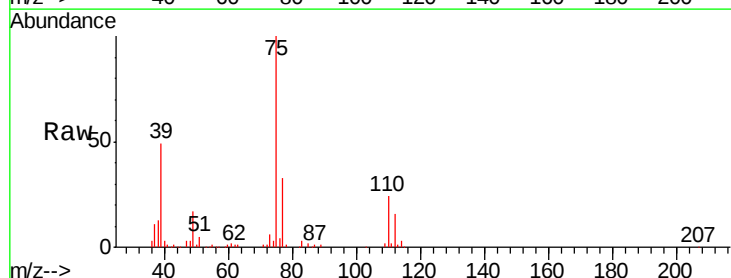
Manual Integrations
 APPROVED

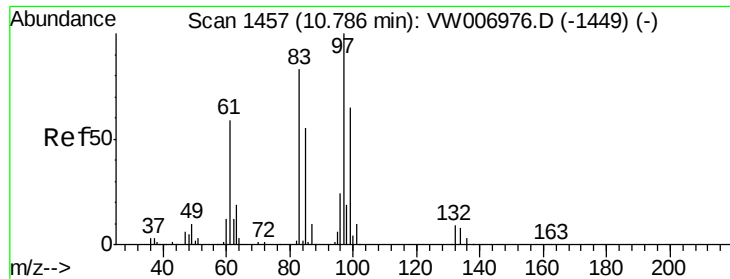
apatel
 11/27/2018 3:03:09 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.10 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion: 75 Resp: 93404
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.6
 39 49.1 39.9 59.9





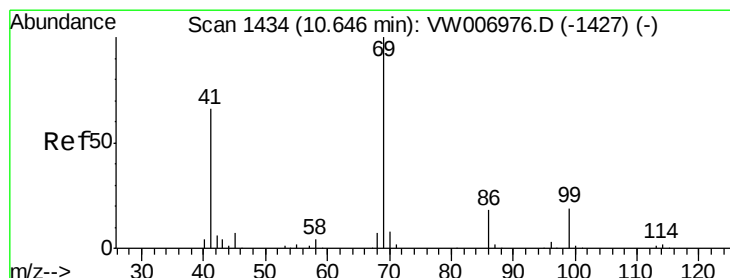
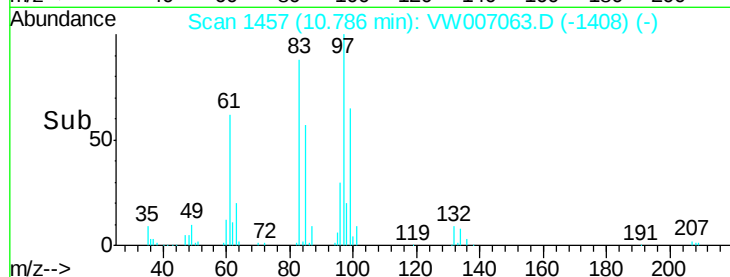
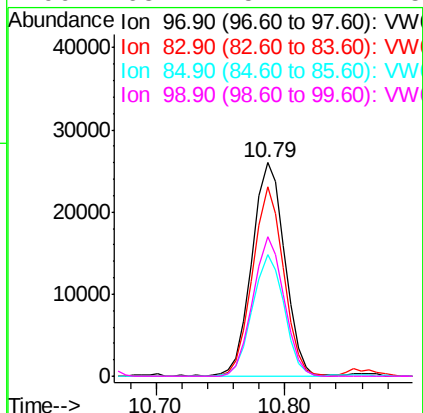
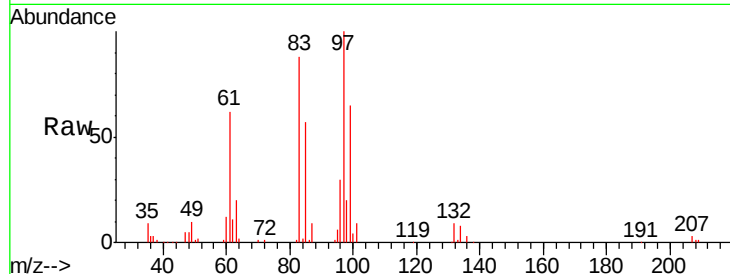
#55
1,1,2-Trichloroethane
Concen: 55.68 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.4	99.6
85	56.8	44.1	66.1
99	65.2	51.7	77.5

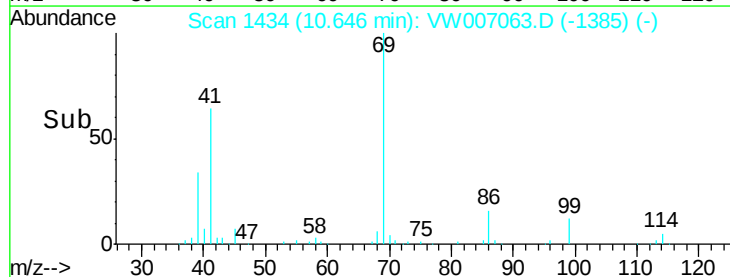
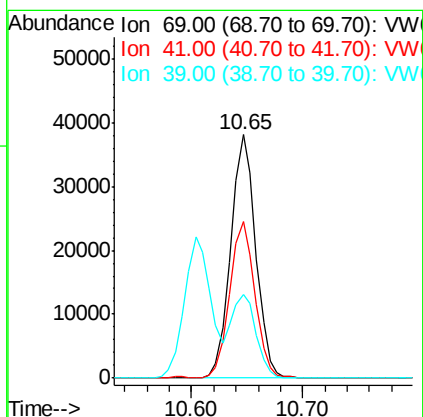
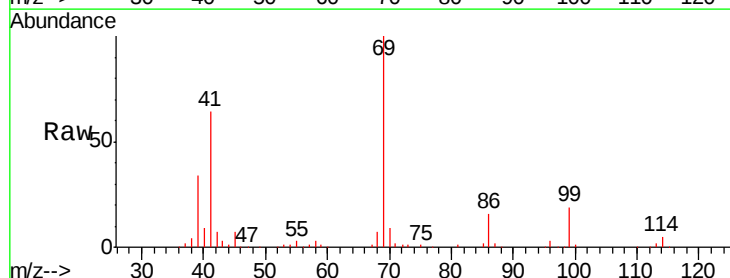
Manual Integrations
APPROVED

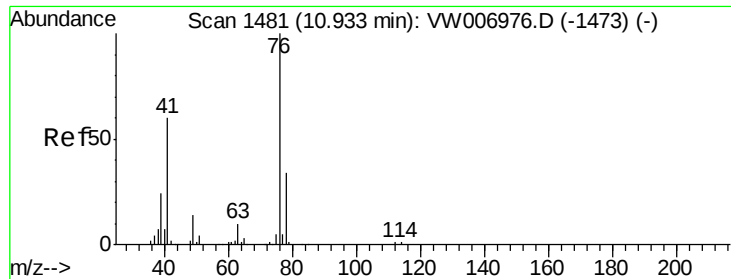
apatel
11/27/2018 3:03:09 PM



#56
Ethyl methacrylate
Concen: 62.05 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.1	53.4	80.0
39	34.6	28.2	42.4





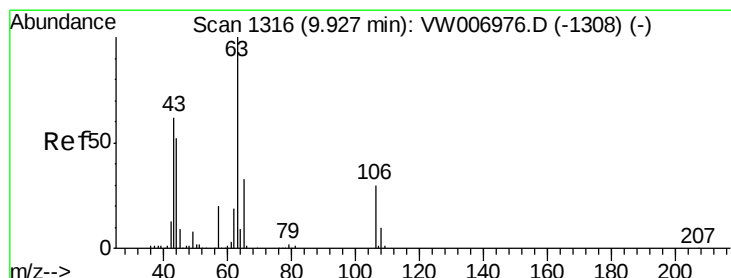
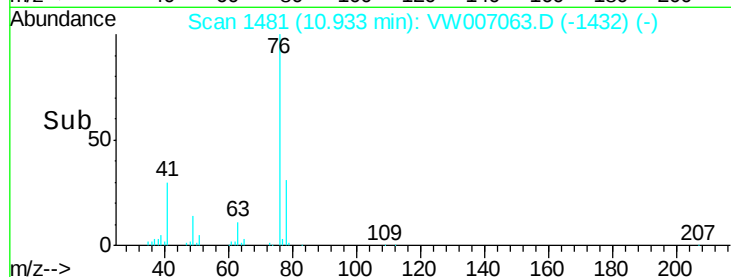
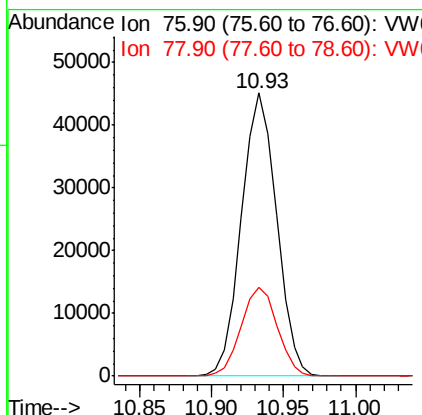
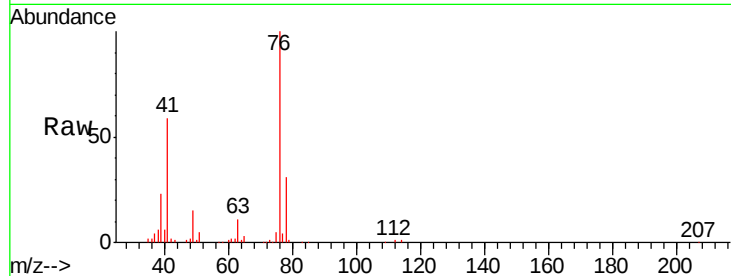
#57
 1,3-Dichloropropane
 Concen: 55.44 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 76535
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

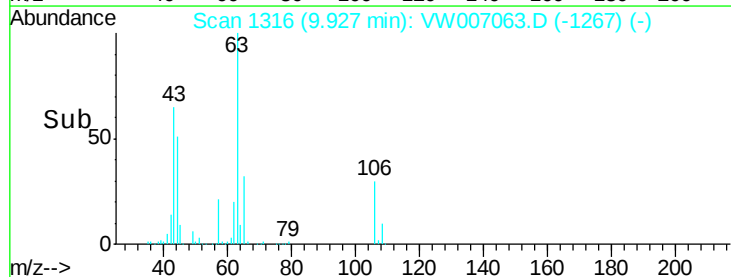
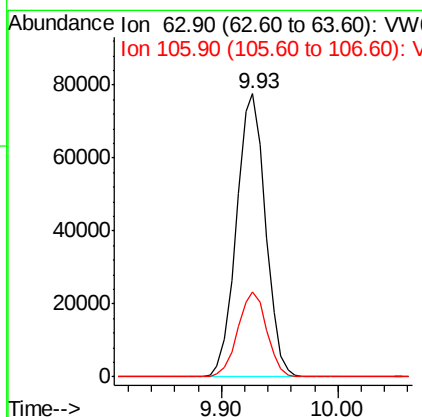
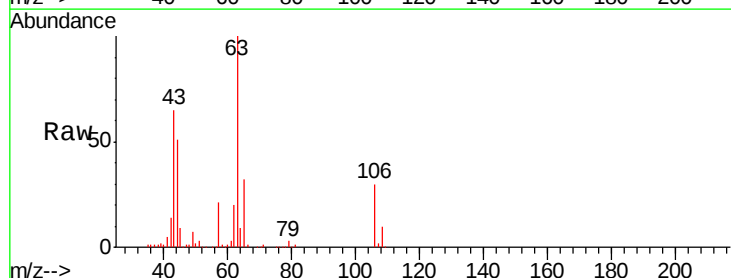
Manual Integrations
 APPROVED

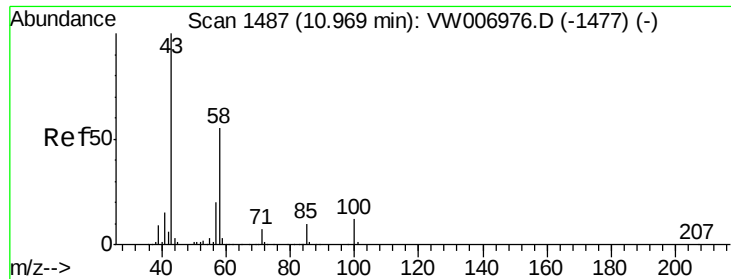
apatel
 11/27/2018 3:03:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.31 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion: 63 Resp: 135074
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.5 35.3





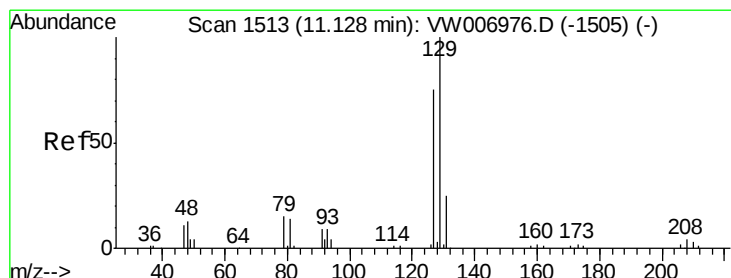
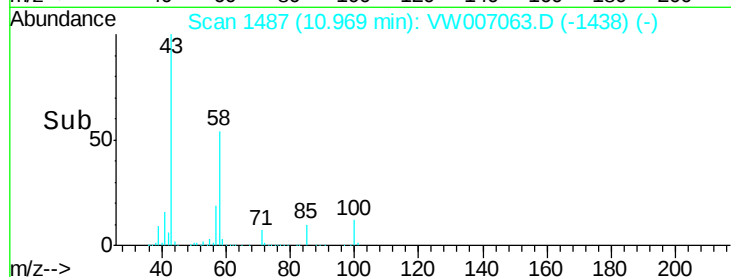
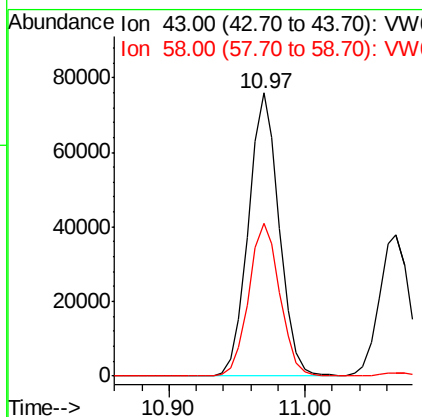
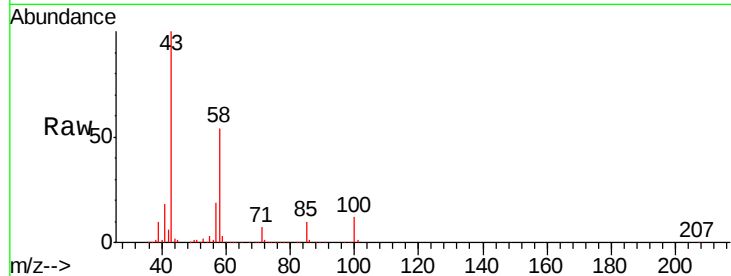
#59
2-Hexanone
Concen: 298.95 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 120046
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

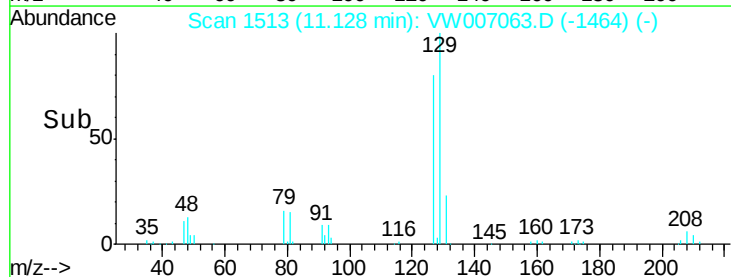
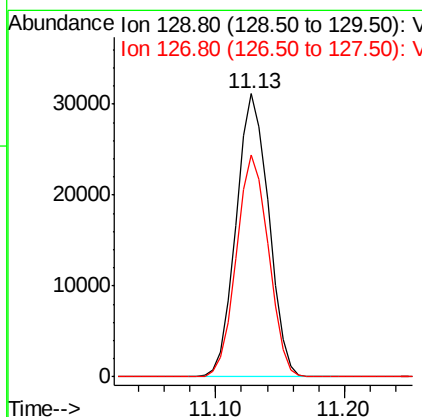
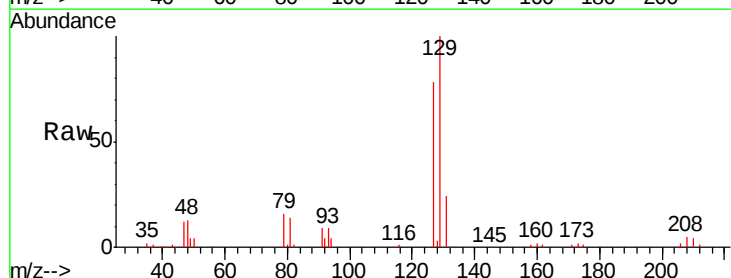
Manual Integrations
APPROVED

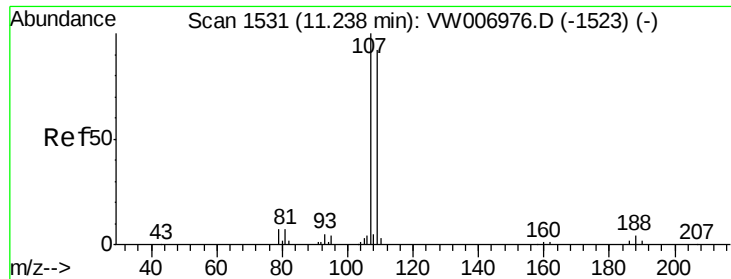
apatel
11/27/2018 3:03:09 PM



#60
Dibromochloromethane
Concen: 58.13 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion: 129 Resp: 54565
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





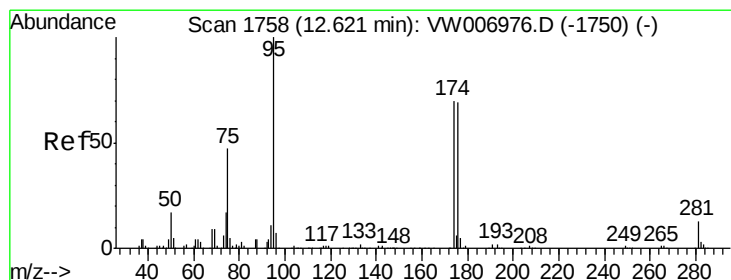
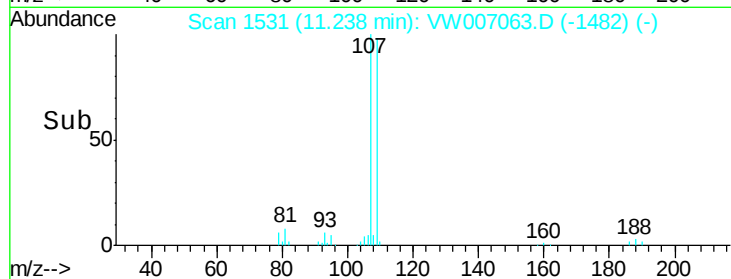
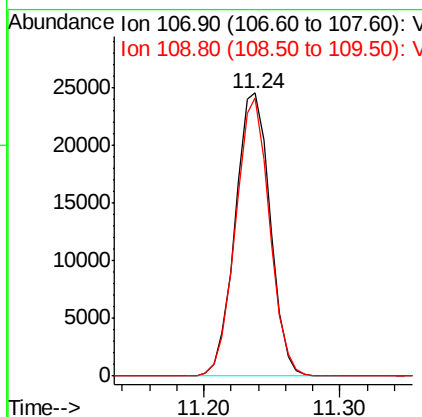
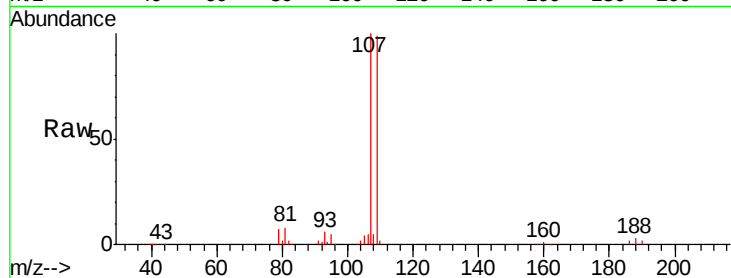
#61
 1,2-Dibromoethane
 Concen: 58.23 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 43880
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.1 112.7

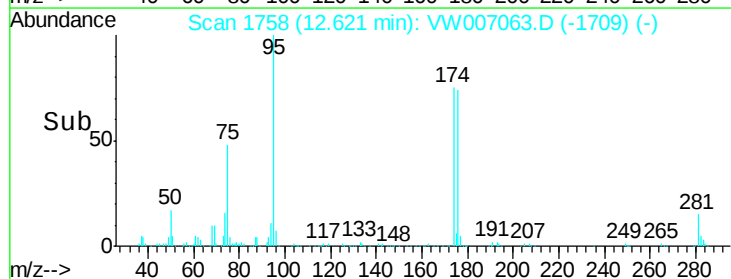
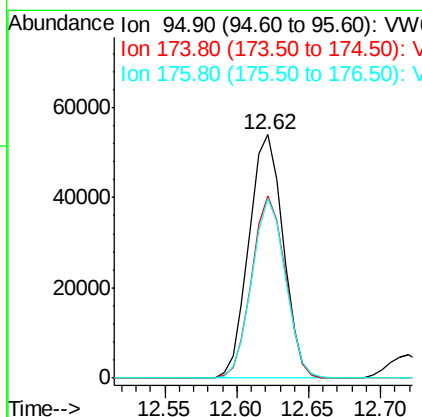
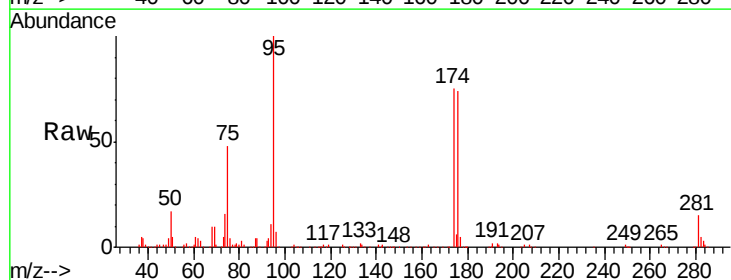
Manual Integrations
 APPROVED

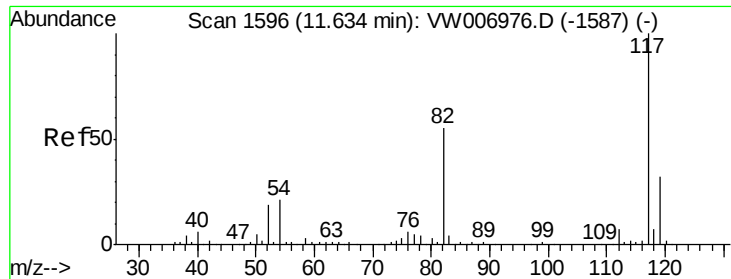
apatel
 11/27/2018 3:03:09 PM



#62
 4-Bromofluorobenzene
 Concen: 52.60 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion: 95 Resp: 88753
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 143.6
 176 72.1 0.0 140.4





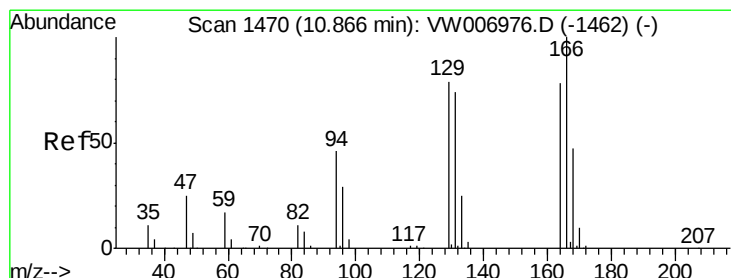
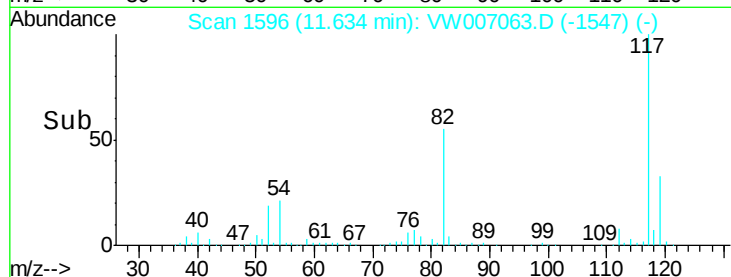
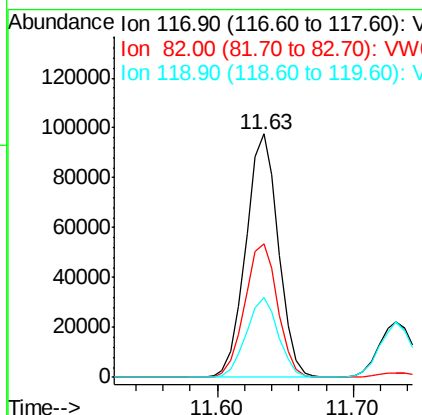
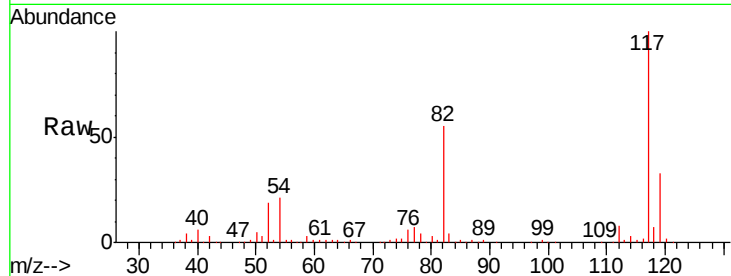
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.2	66.2
119	32.8	25.9	38.9

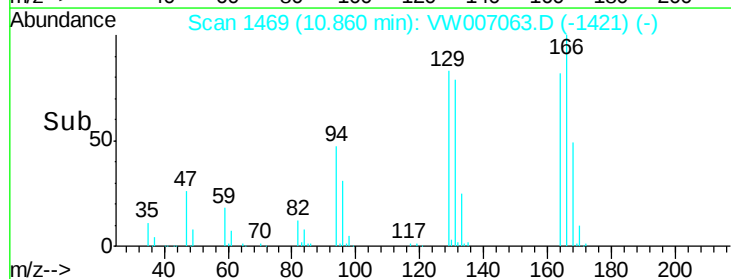
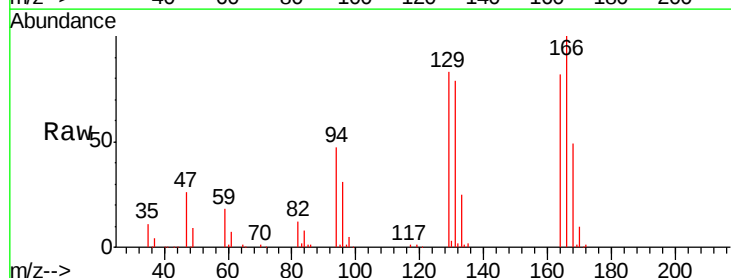
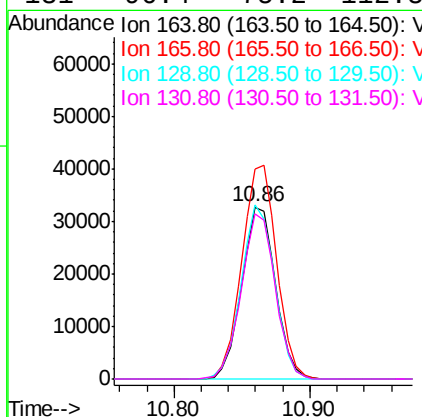
Manual Integrations
APPROVED

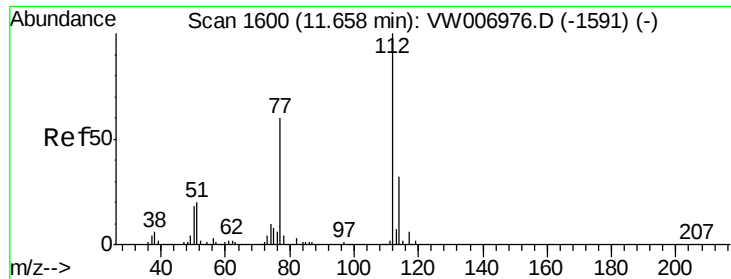
apatel
11/27/2018 3:03:09 PM



#64
Tetrachloroethene
Concen: 54.27 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	102.1	153.1
129	101.2	80.4	120.6
131	96.4	75.2	112.8





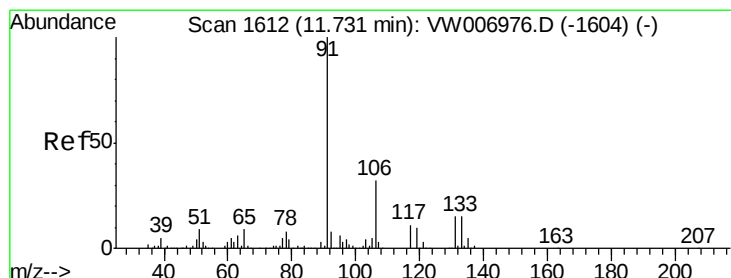
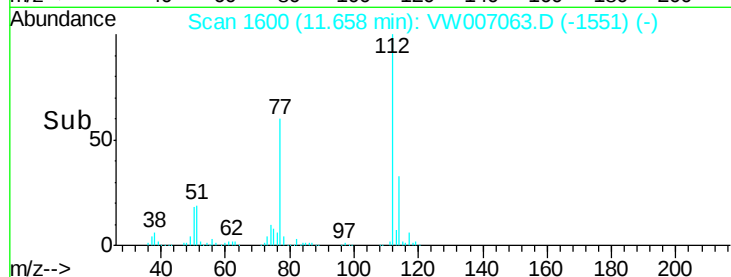
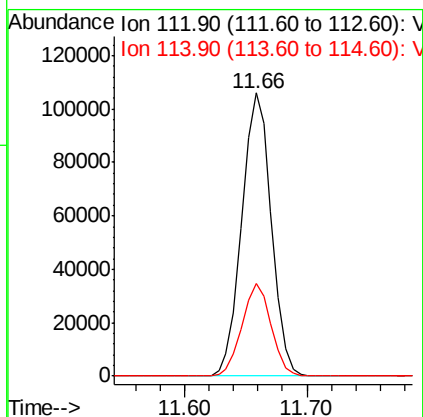
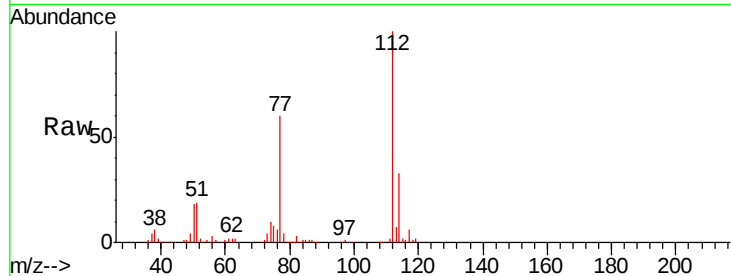
#65
Chlorobenzene
Concen: 52.09 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 177335
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

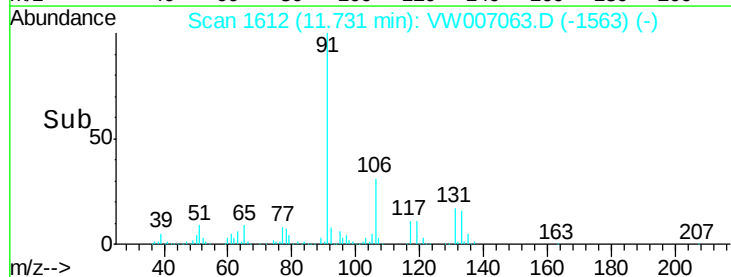
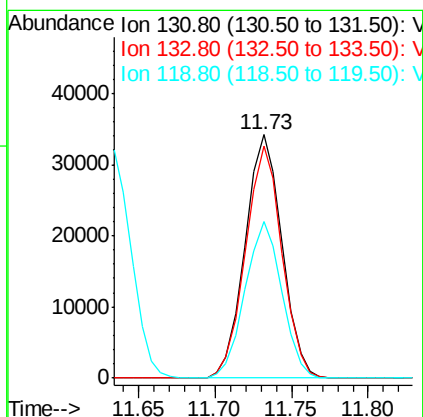
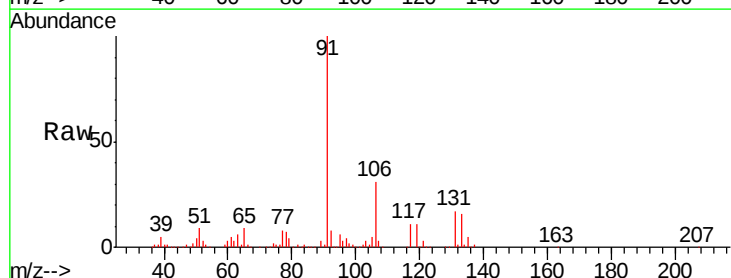
Manual Integrations
APPROVED

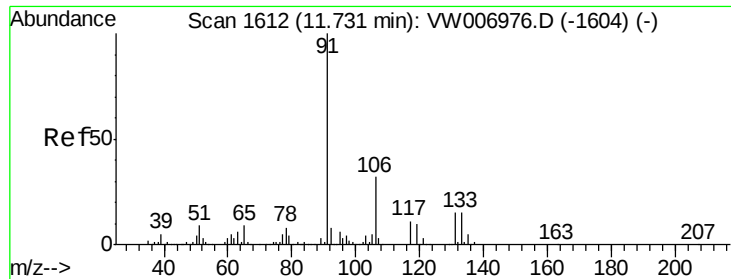
apatel
11/27/2018 3:03:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.64 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion:131 Resp: 57305
Ion Ratio Lower Upper
131 100
133 94.3 47.7 143.1
119 64.4 31.8 95.3





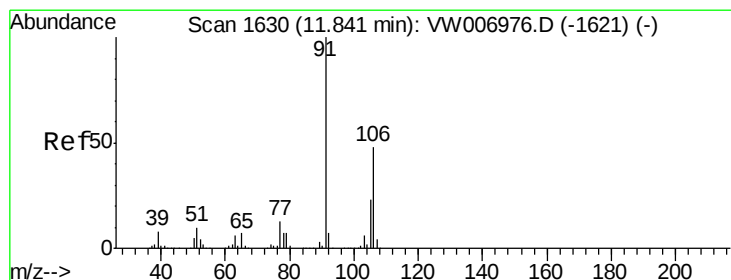
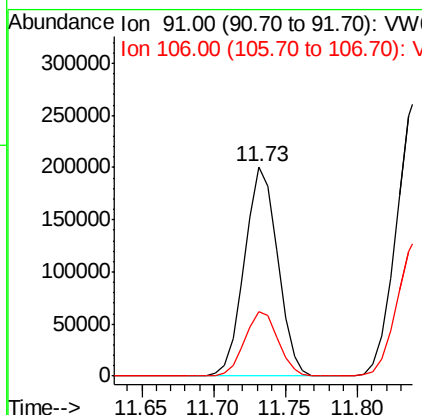
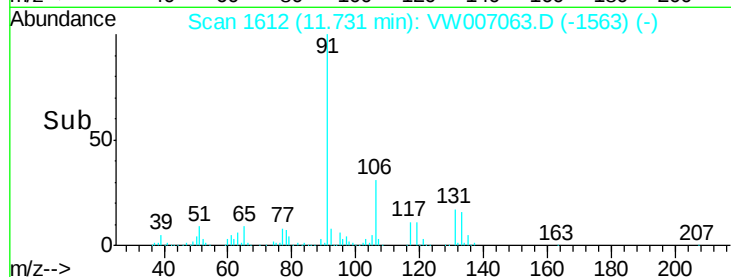
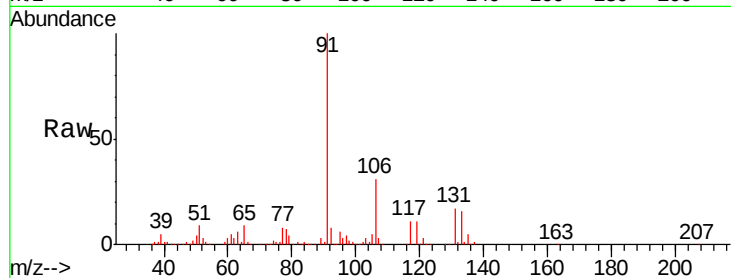
#67
Ethyl Benzene
Concen: 51.06 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 319315
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2

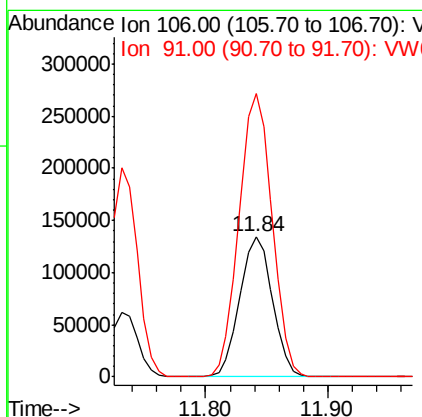
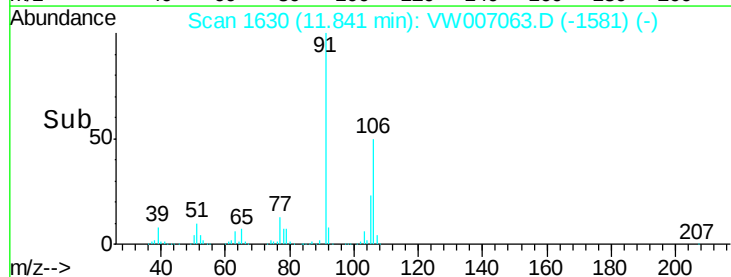
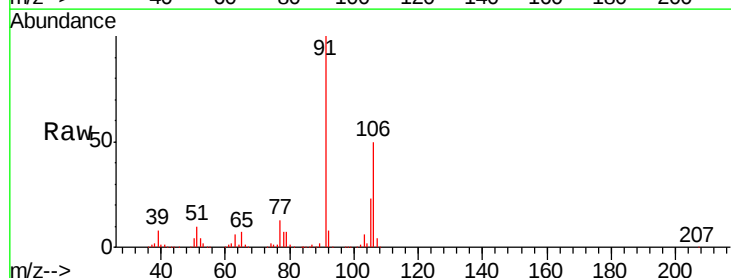
Manual Integrations
APPROVED

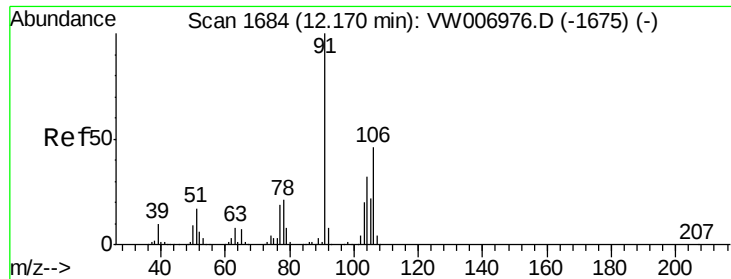
apatel
11/27/2018 3:03:09 PM



#68
m/p-Xylenes
Concen: 101.82 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion: 106 Resp: 249825
Ion Ratio Lower Upper
106 100
91 204.5 164.8 247.2





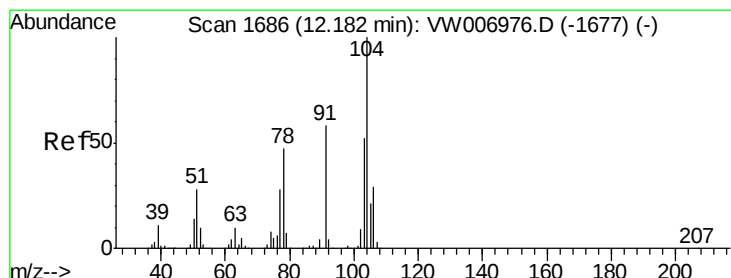
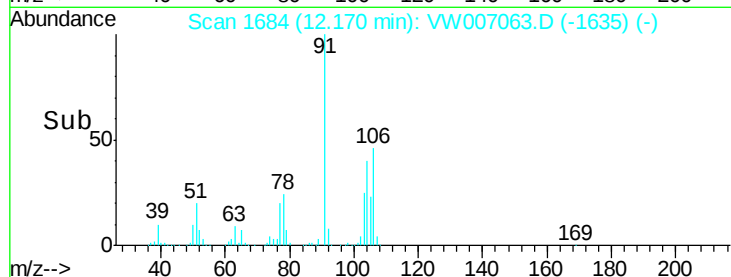
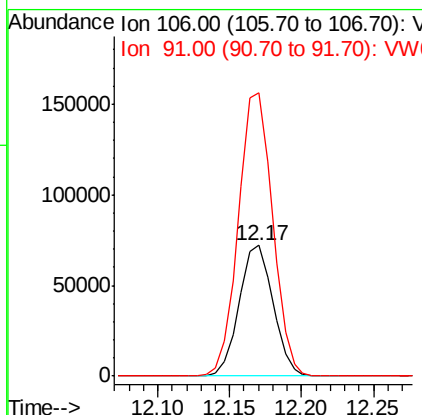
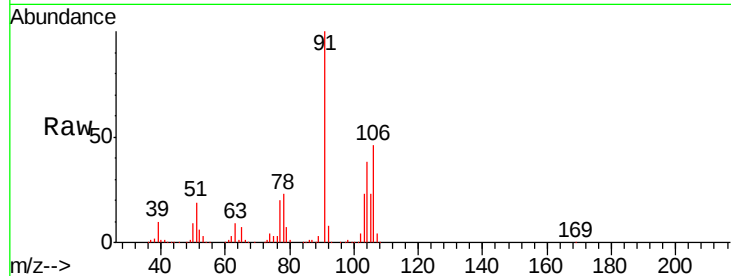
#69
o-Xylene
Concen: 51.13 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 118298
Ion Ratio Lower Upper
106 100
91 218.1 107.9 323.8

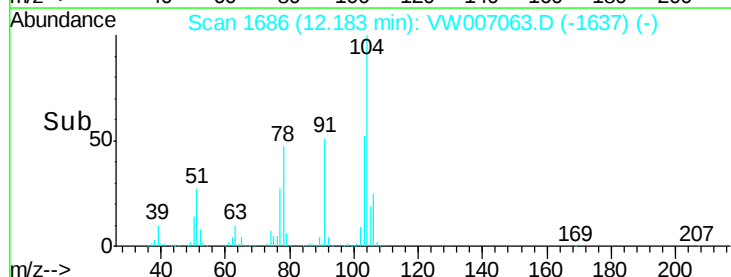
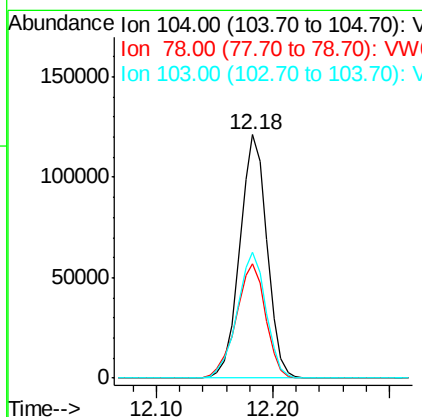
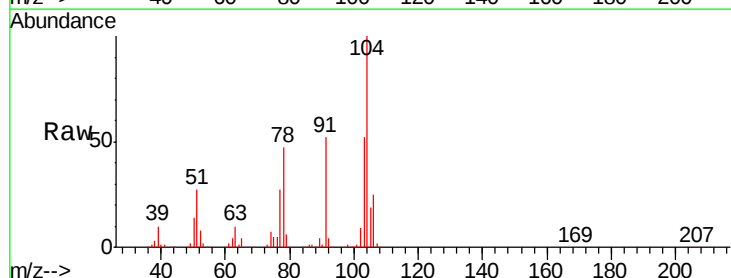
Manual Integrations
APPROVED

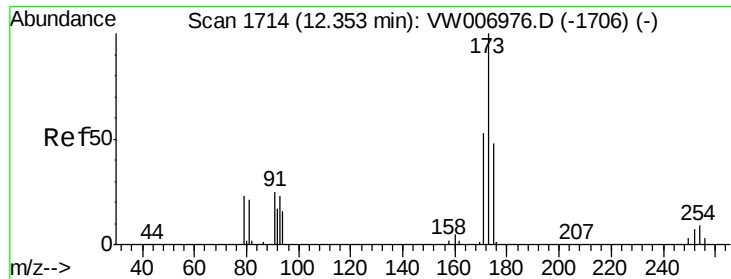
apatel
11/27/2018 3:03:09 PM



#70
Styrene
Concen: 53.44 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion:104 Resp: 196782
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.8
103 55.0 44.4 66.6





#71

Bromoform

Concen: 62.24 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

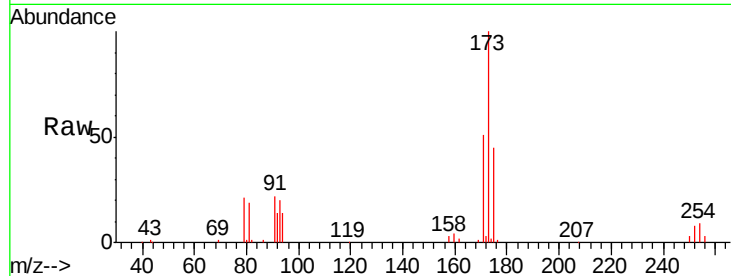
ClientSampleId :

VSTDCCC050

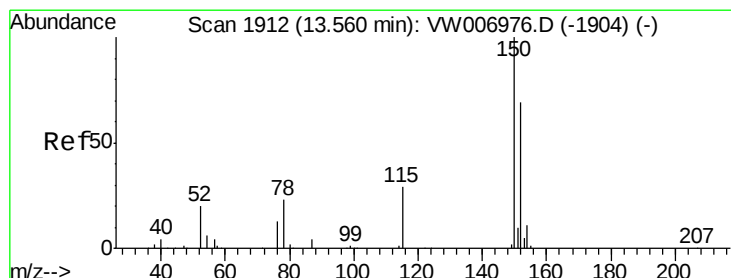
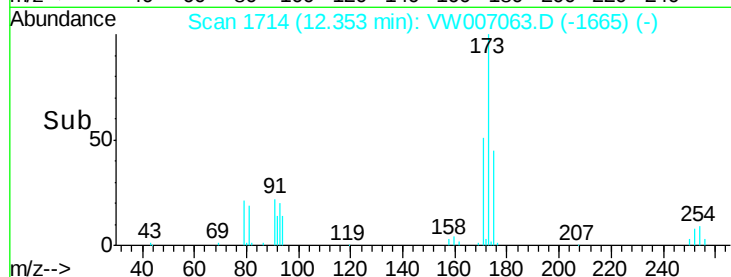
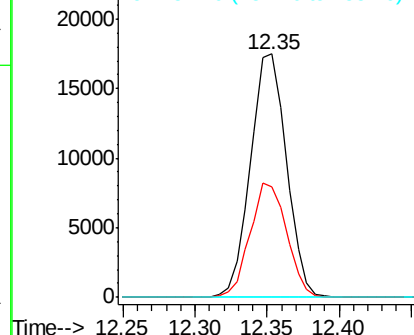
Tgt Ion:	173	Resp:	30195
Ion Ratio	Lower	Upper	
173	100		
175	47.6	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

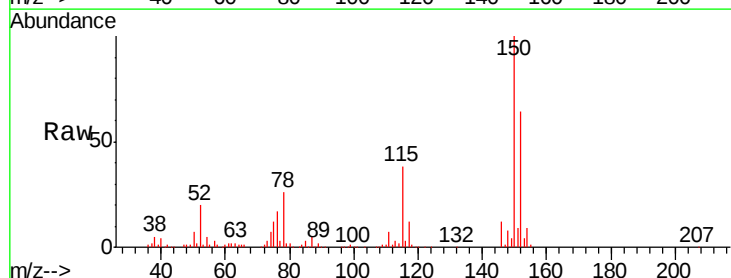
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

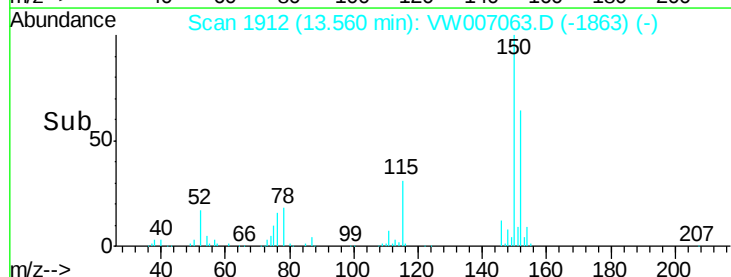
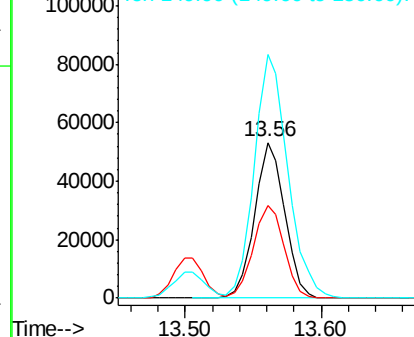
Lab File: VW007063.D

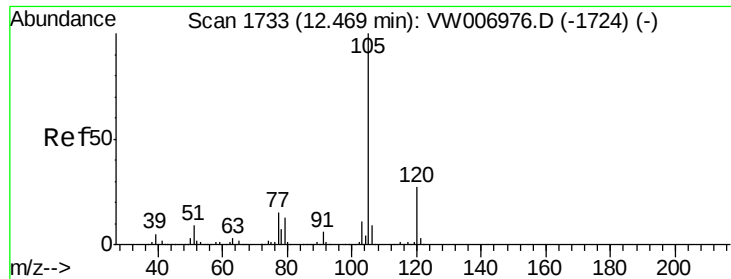
Acq: 26 Nov 2018 23:38

Tgt Ion:	152	Resp:	82395
Ion Ratio	Lower	Upper	
152	100		
115	61.2	31.4	94.2
150	174.2	0.0	353.4



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





#73

Isopropylbenzene

Concen: 50.11 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 320910

Ion Ratio Lower Upper

105 100

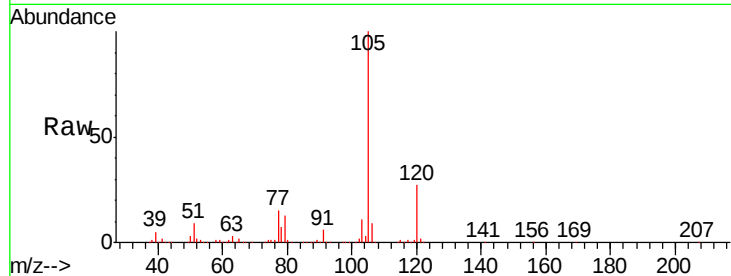
120 26.6 13.3 39.8

Manual Integrations

APPROVED

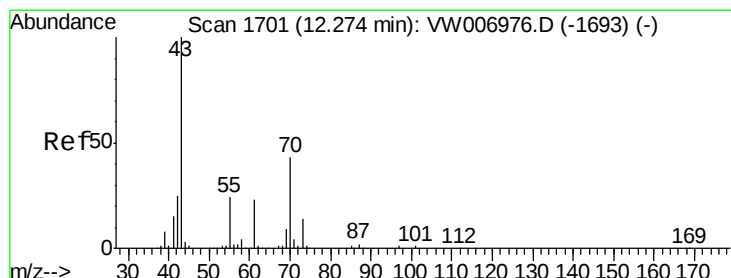
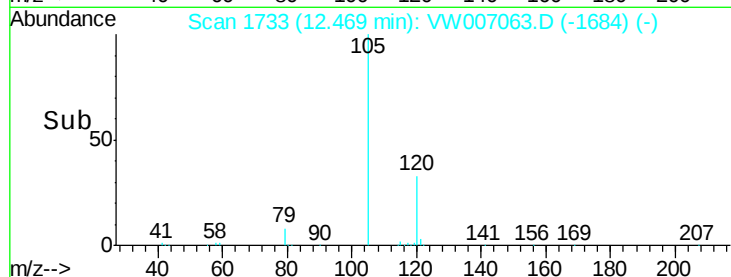
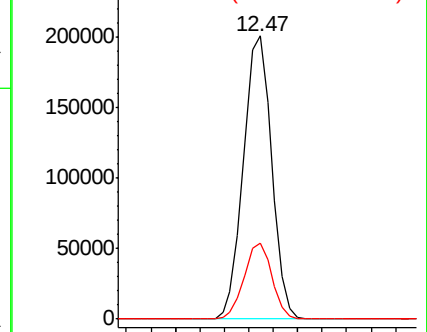
apatel

11/27/2018 3:03:09 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.64 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion: 43 Resp: 66157

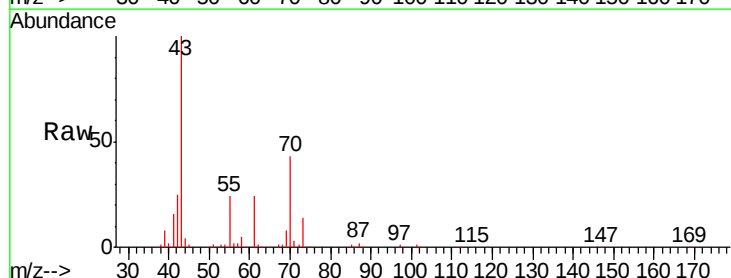
Ion Ratio Lower Upper

43 100

70 43.2 34.0 51.0

55 23.7 19.4 29.0

61 24.5 19.4 29.2

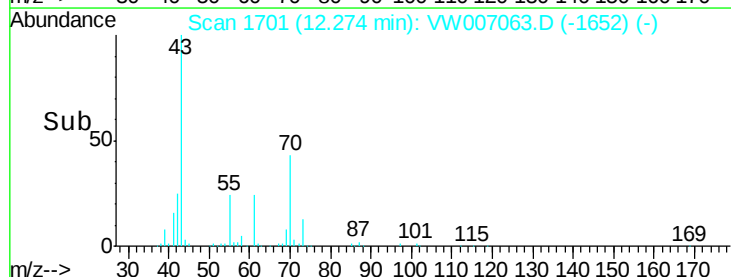
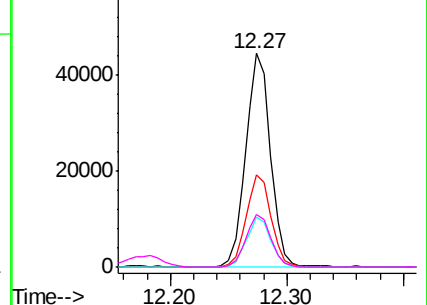


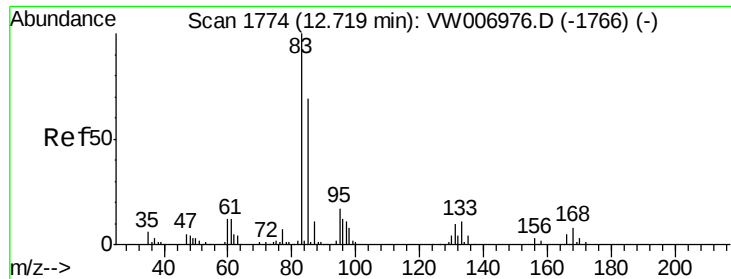
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 59.05 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 50327

Ion Ratio Lower Upper

83 100

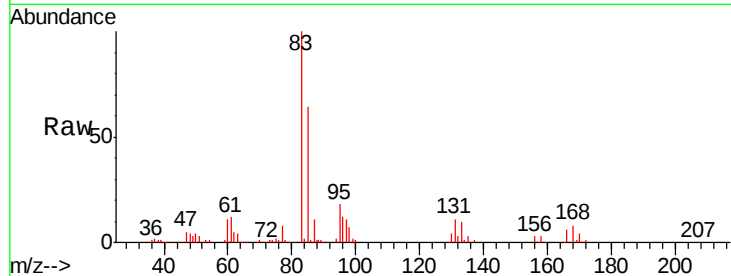
131 11.4 5.7 17.1

85 63.8 33.1 99.2

Manual Integrations
APPROVED

apatel

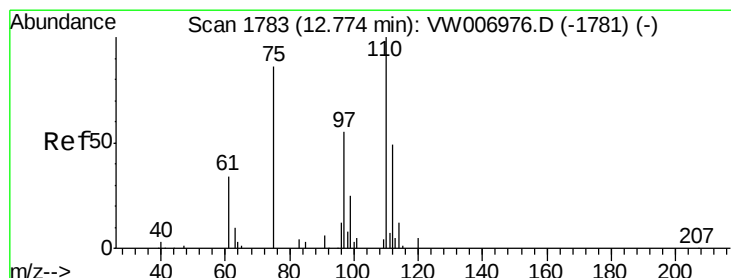
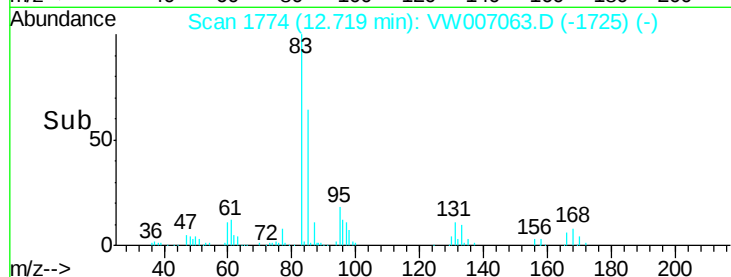
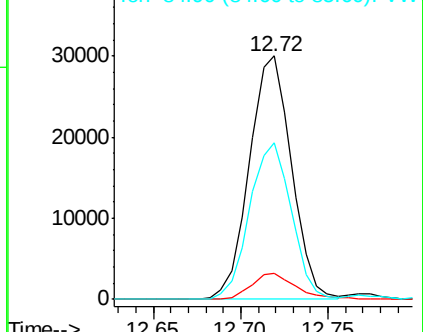
11/27/2018 3:03:09 PM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 45.31 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007063.D

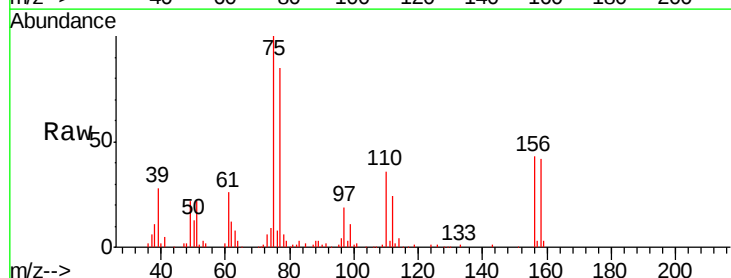
Acq: 26 Nov 2018 23:38

Tgt Ion: 75 Resp: 29338

Ion Ratio Lower Upper

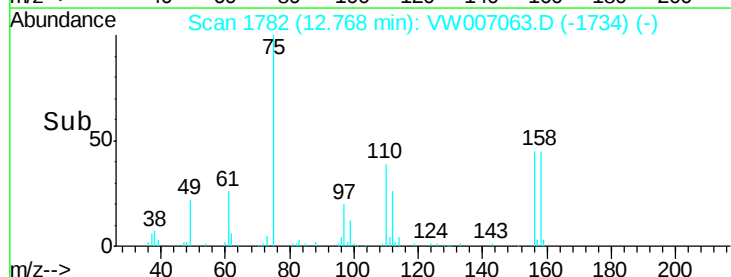
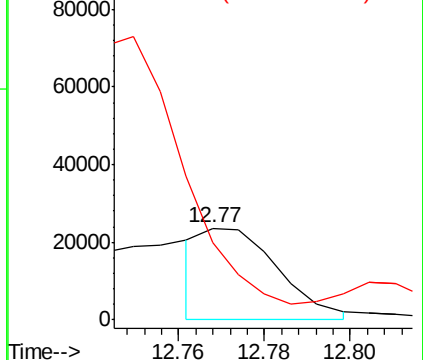
75 100

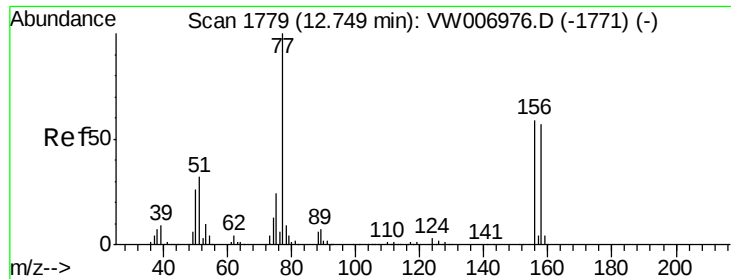
77 457.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.62 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

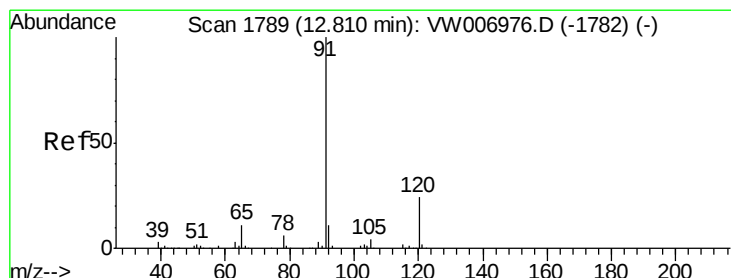
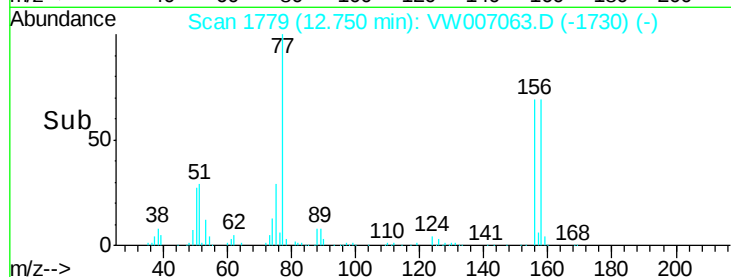
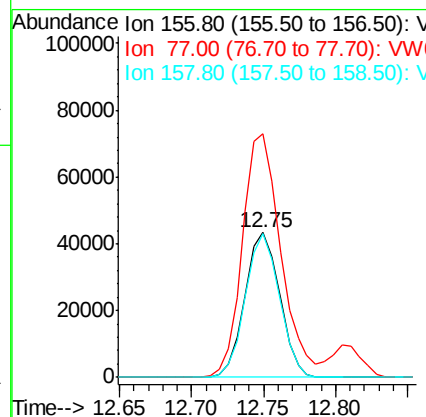
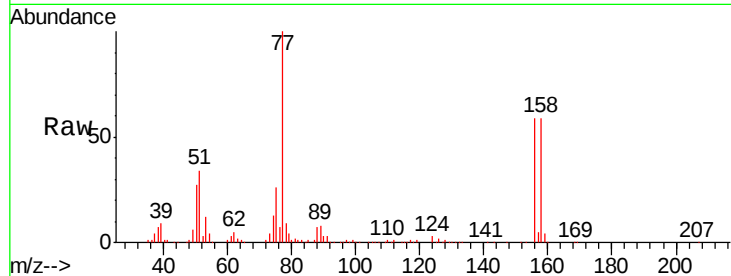
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	185.6	94.6	283.8
158	97.3	48.9	146.7

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#78

n-propylbenzene

Concen: 49.28 ug/l

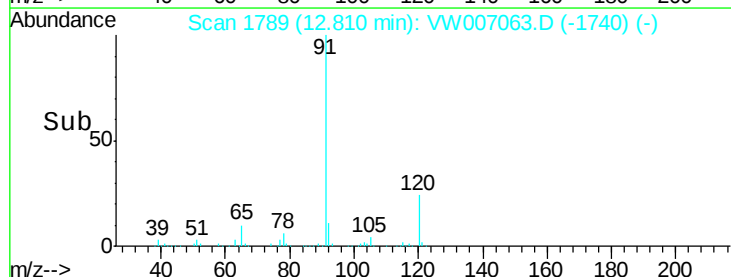
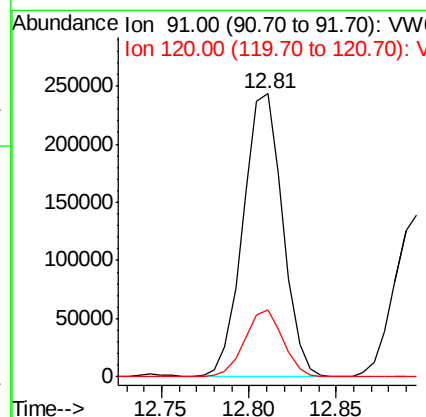
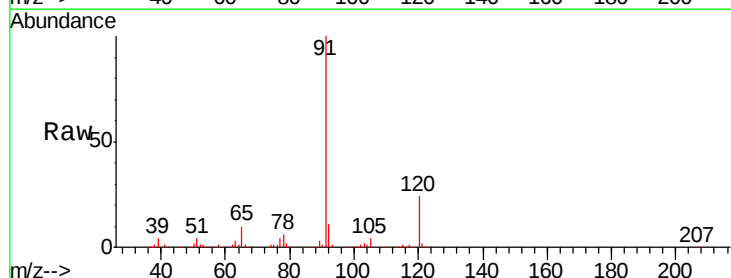
RT: 12.81 min Scan# 1789

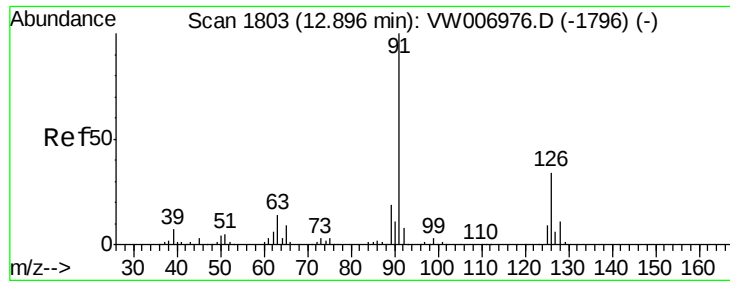
Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.7	35.1





#79

2-Chlorotoluene

Concen: 50.15 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 224274

Ion Ratio Lower Upper

91 100

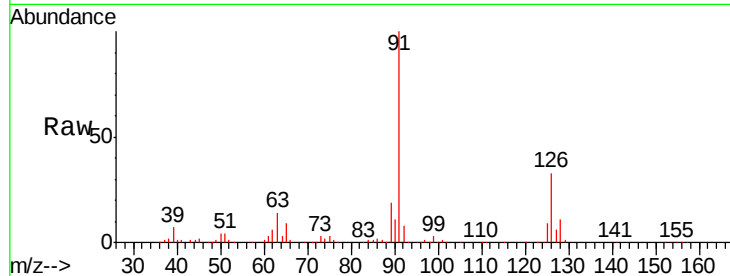
126 33.1 16.7 50.0

Manual Integrations

APPROVED

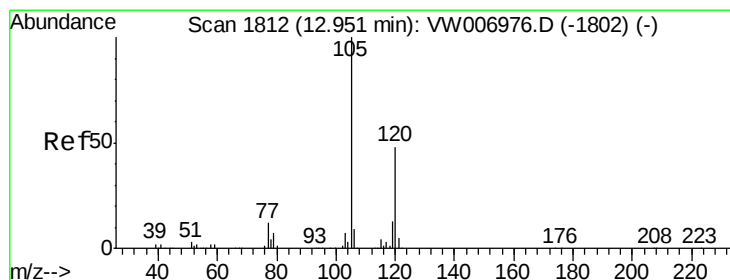
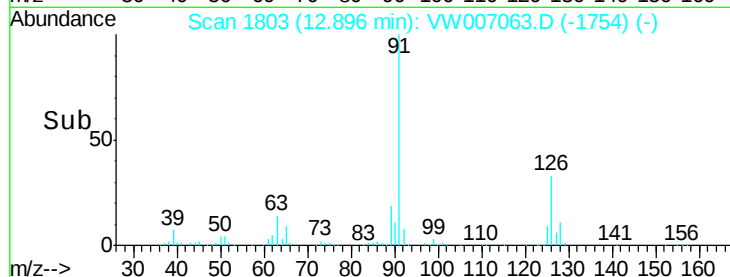
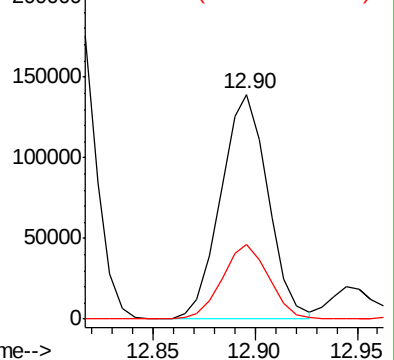
apatel

11/27/2018 3:03:09 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.44 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW007063.D

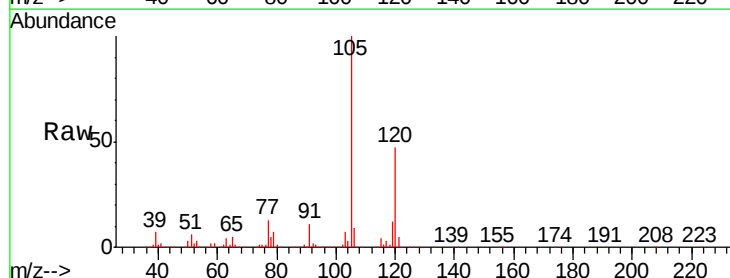
Acq: 26 Nov 2018 23:38

Tgt Ion: 105 Resp: 279338

Ion Ratio Lower Upper

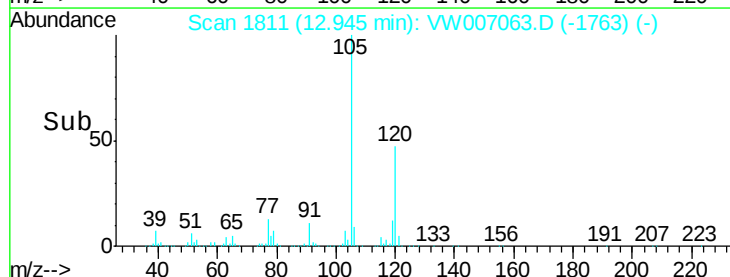
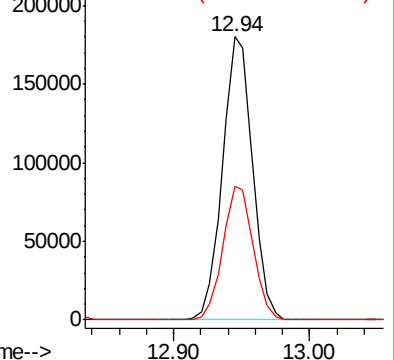
105 100

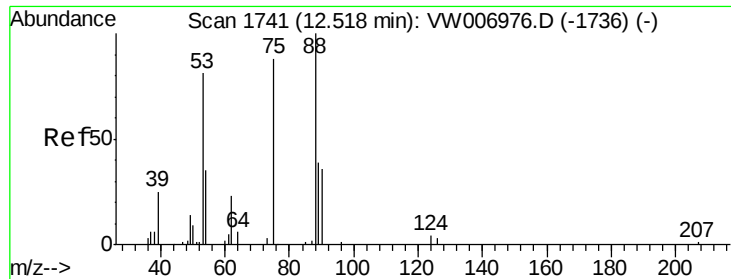
120 47.6 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





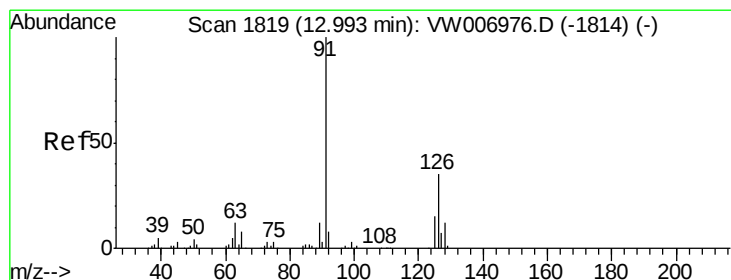
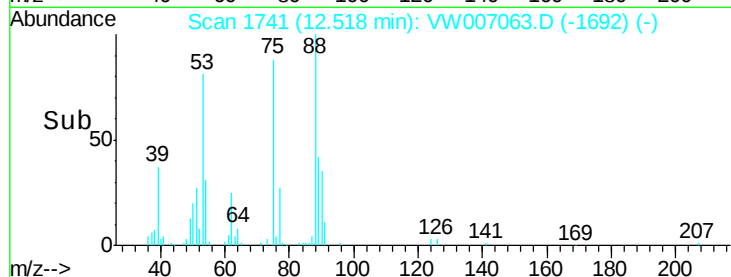
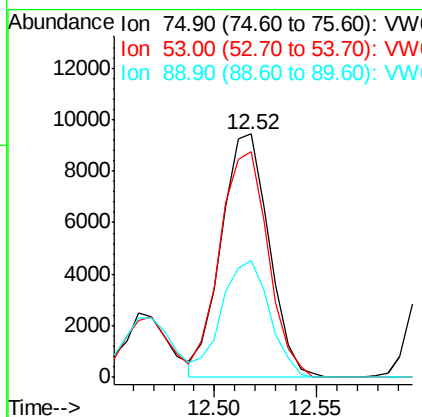
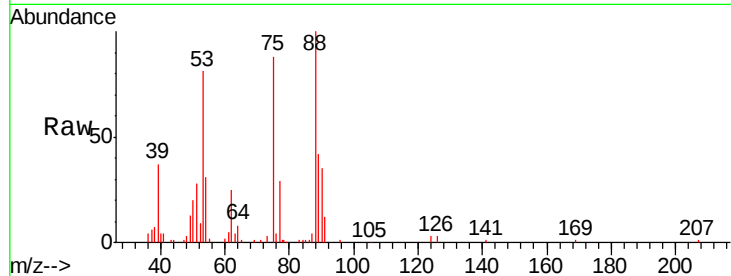
#81
trans-1,4-Dichloro-2-butene
Concen: 59.51 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.8	77.6	116.4
89	48.2	39.3	58.9

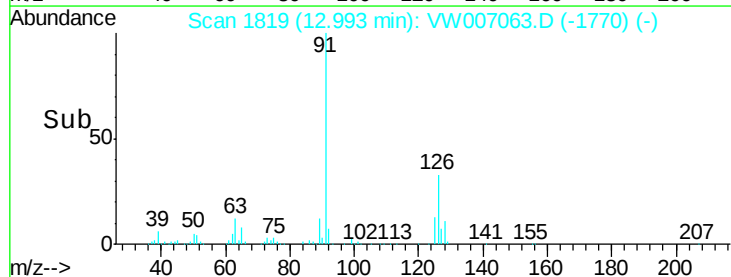
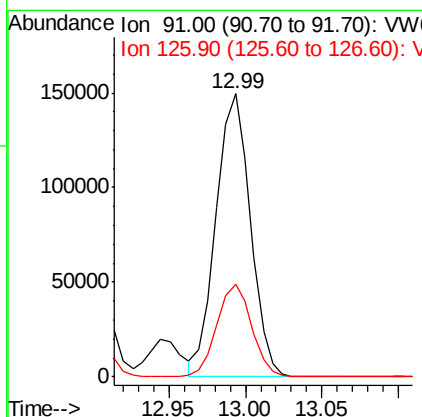
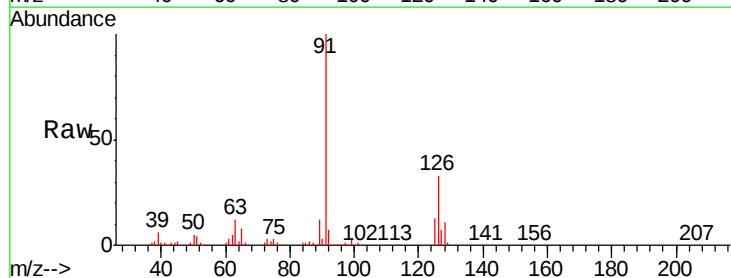
Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#82
4-Chlorotoluene
Concen: 49.86 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.7





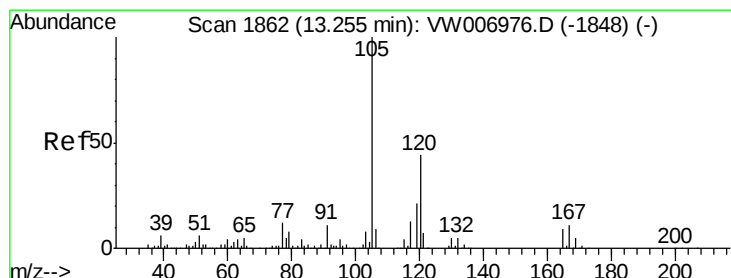
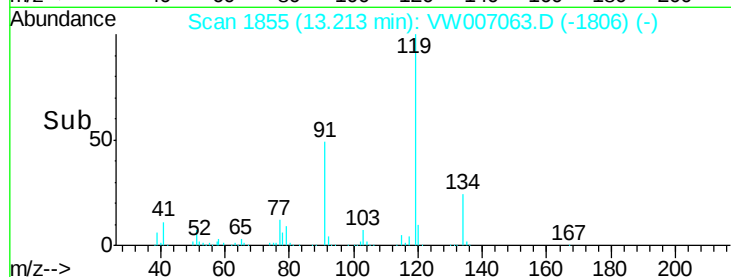
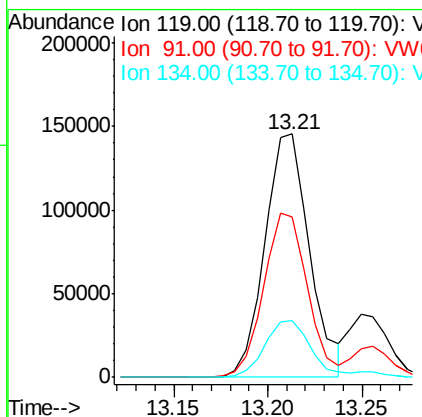
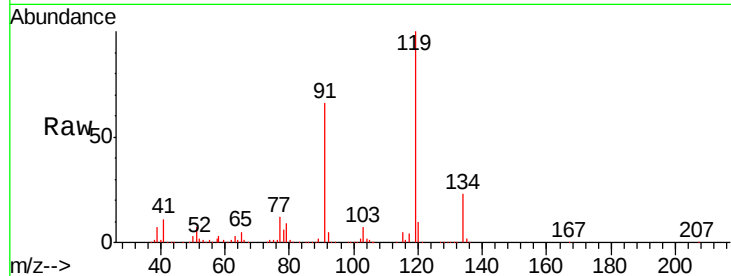
#83
 tert-Butylbenzene
 Concen: 49.97 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	239588		
91	66.1	33.5	100.5	
134	25.2	12.6	37.8	

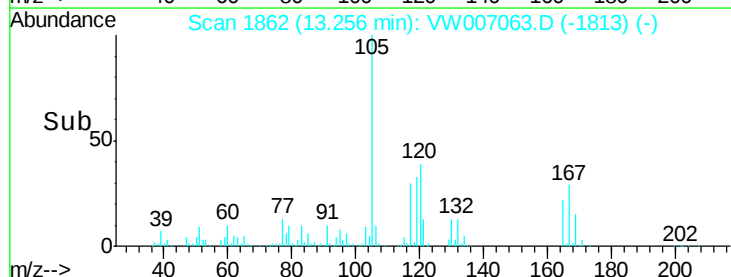
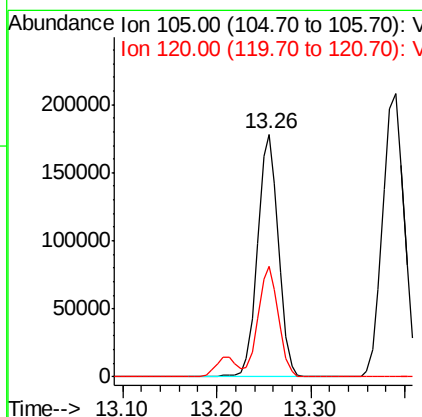
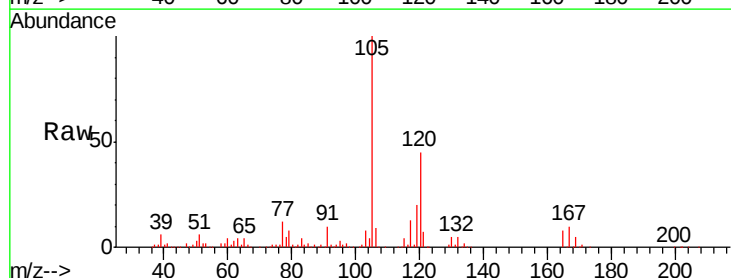
Manual Integrations
 APPROVED

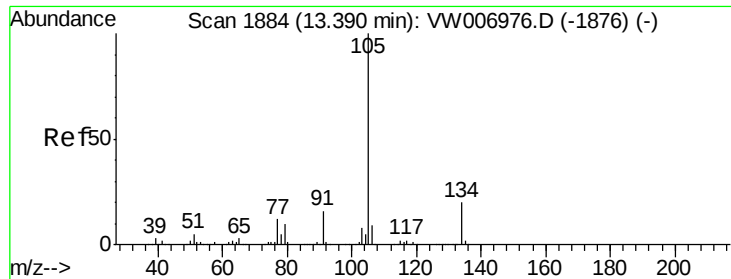
apatel
 11/27/2018 3:03:09 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.51 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	278655		
120	44.3	21.8	65.3	





#85

sec-Butylbenzene

Concen: 48.95 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 331574

Ion Ratio Lower Upper

105 100

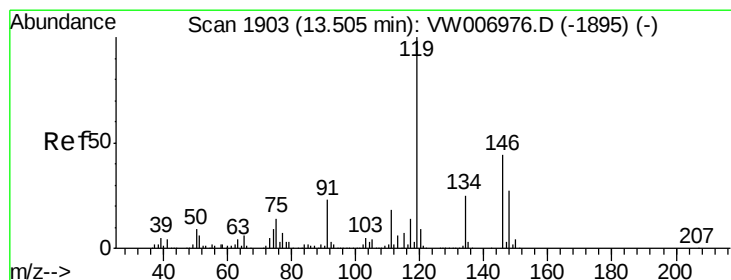
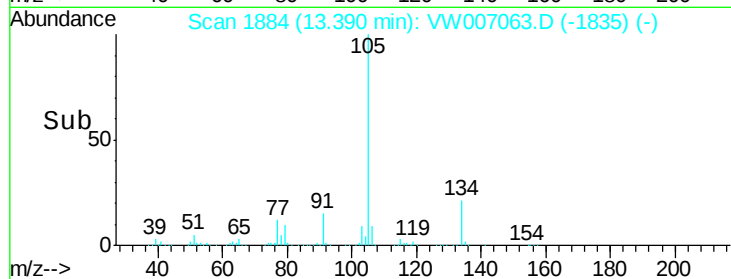
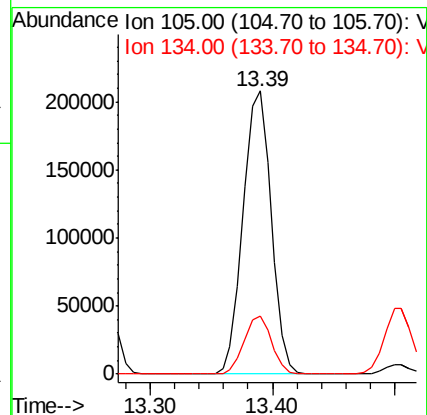
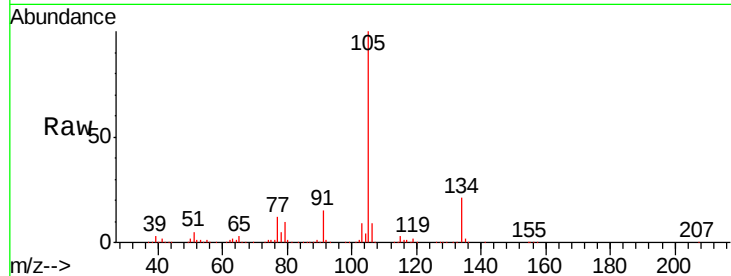
134 20.2 9.8 29.3

Manual Integrations

APPROVED

apatel

11/27/2018 3:03:09 PM



#86

p-Isopropyltoluene

Concen: 49.45 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007063.D

Acq: 26 Nov 2018 23:38

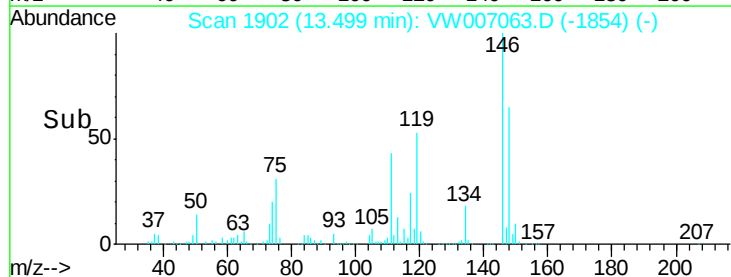
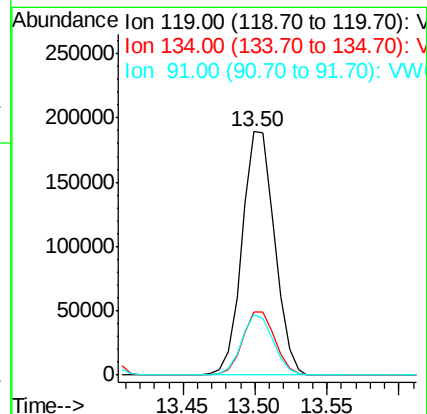
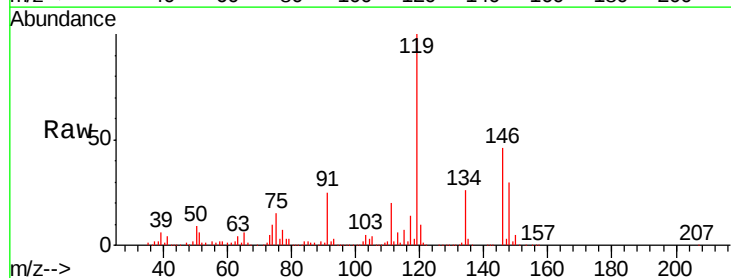
Tgt Ion:119 Resp: 295454

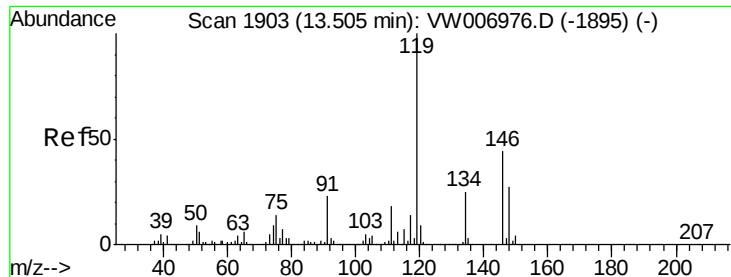
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 24.2 12.2 36.6





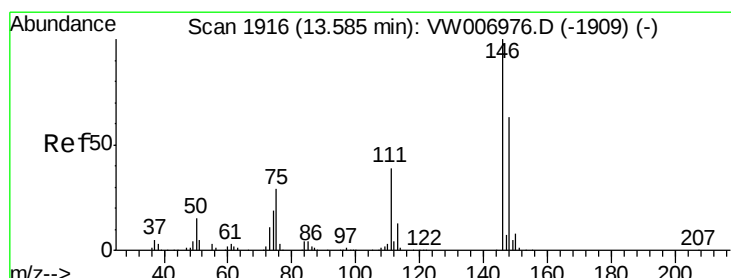
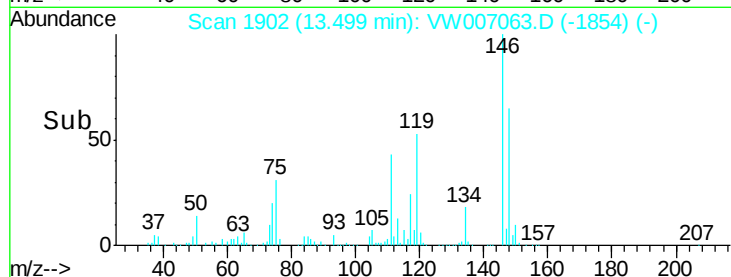
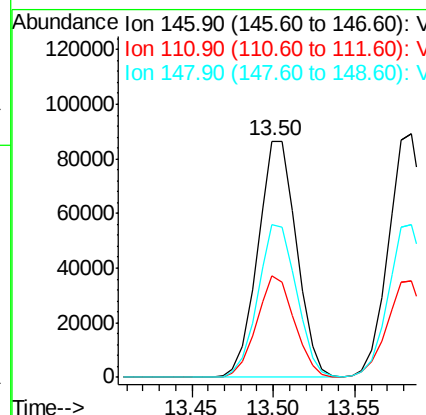
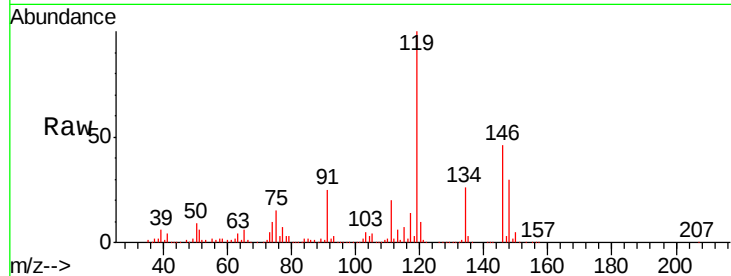
#87
 1,3-Dichlorobenzene
 Concen: 50.87 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	142847		
111	41.6	21.1	63.3	
148	64.1	31.6	94.8	

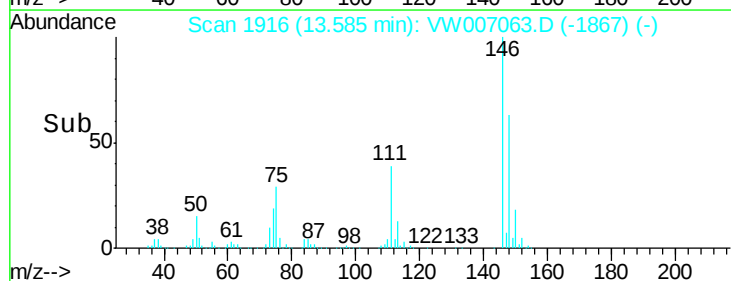
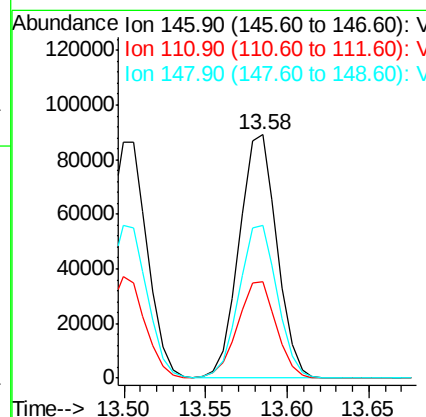
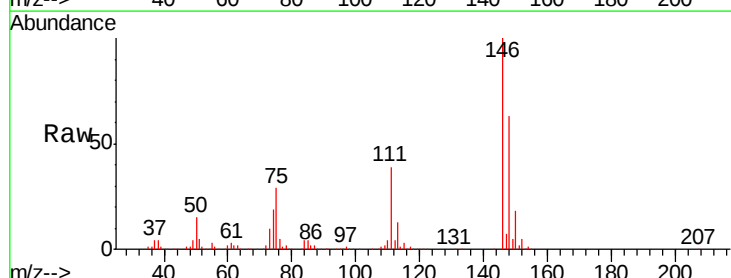
Manual Integrations
 APPROVED

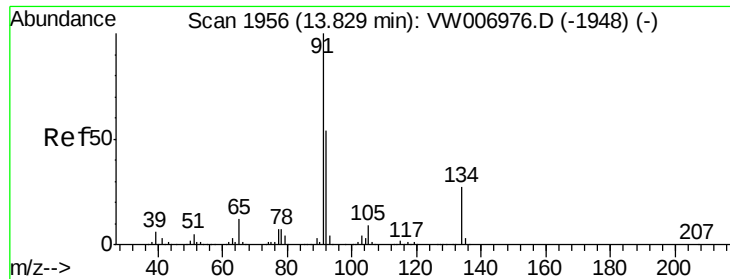
apatel
 11/27/2018 3:03:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.39 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	143876		
111	40.6	20.6	61.8	
148	63.6	32.3	96.8	





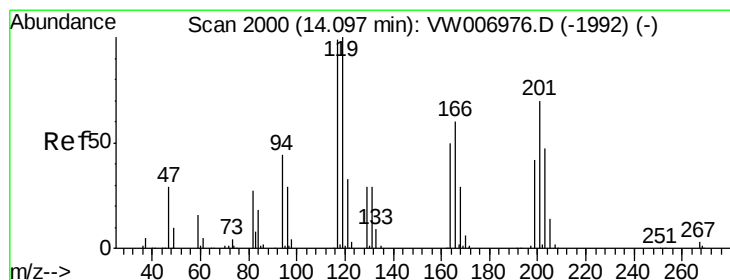
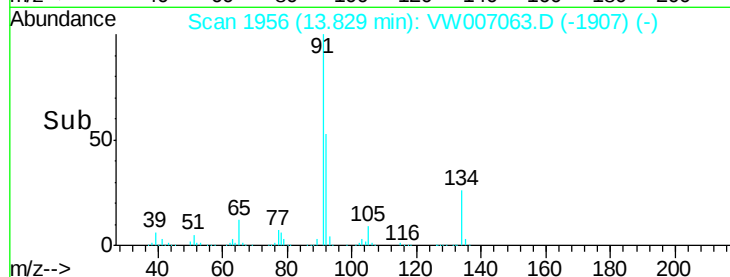
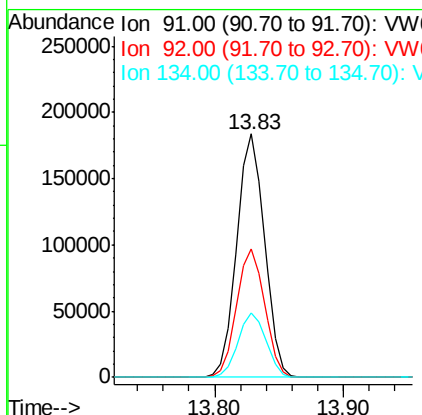
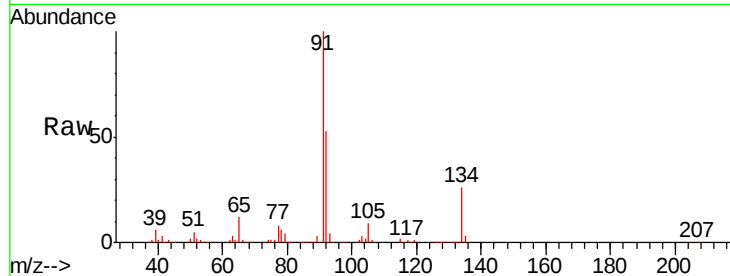
#89
n-Butylbenzene
Concen: 49.05 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	26.5	13.3	39.8

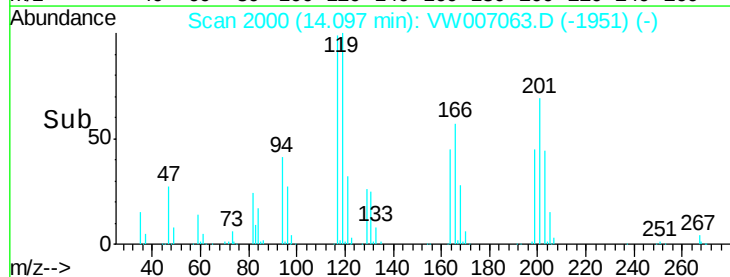
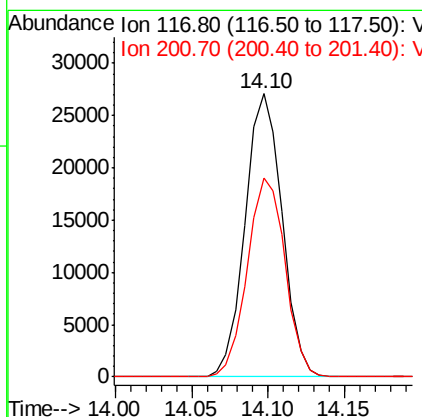
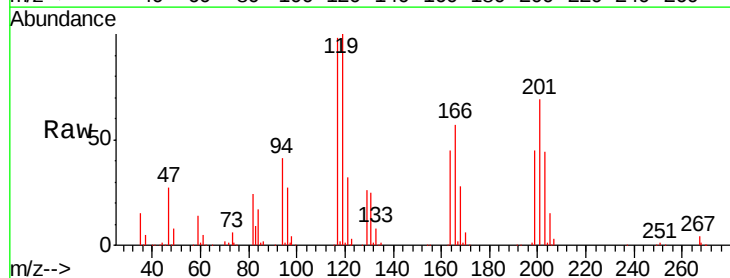
Manual Integrations
APPROVED

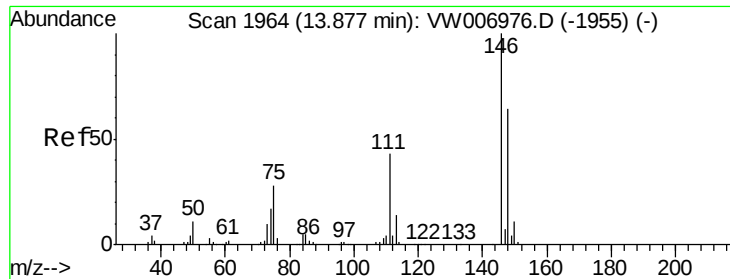
apatel
11/27/2018 3:03:09 PM



#90
Hexachloroethane
Concen: 52.21 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.9	35.9	107.5





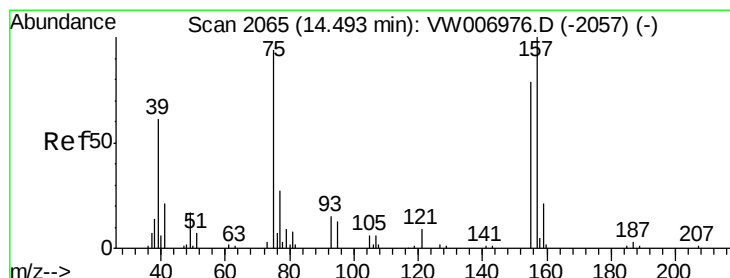
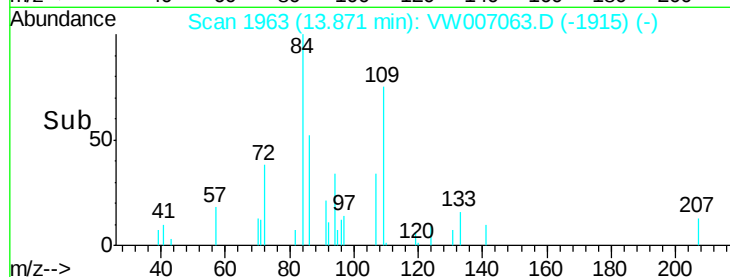
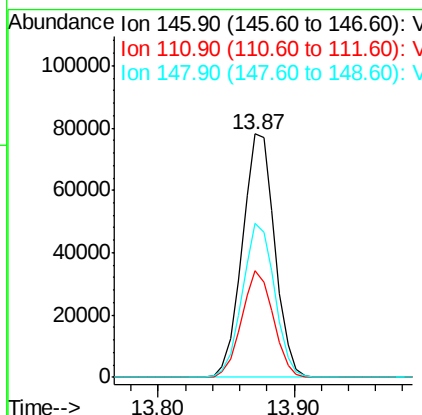
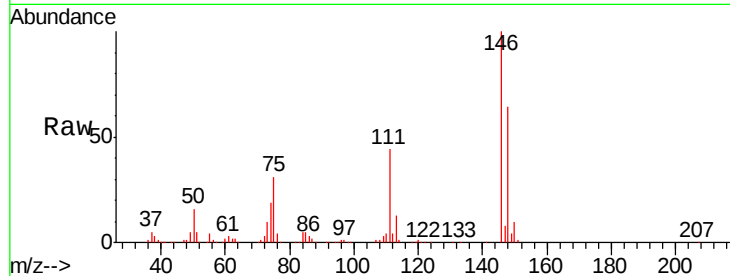
#91
 1,2-Dichlorobenzene
 Concen: 52.95 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.7
148	62.7	32.2	96.6

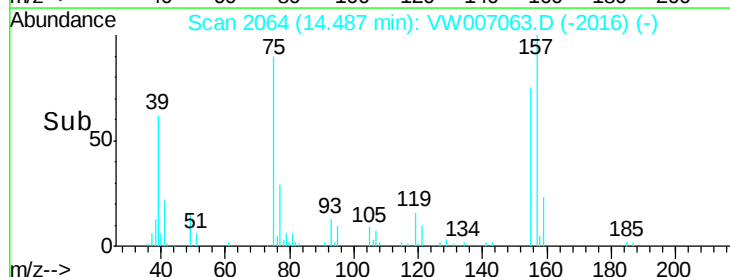
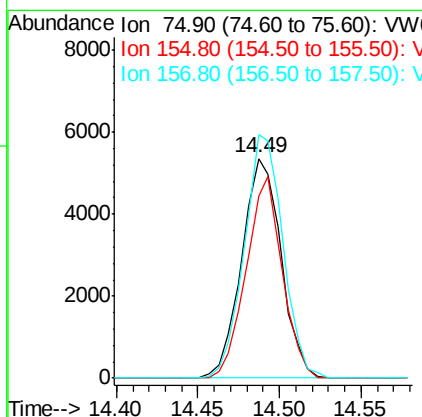
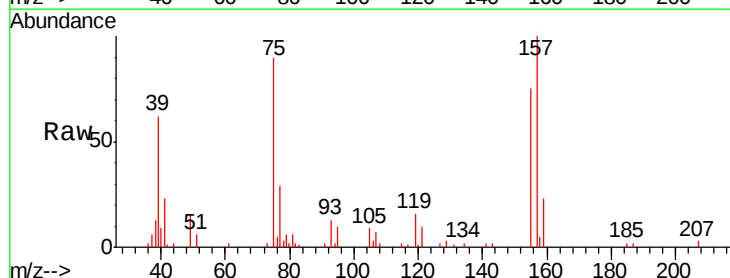
Manual Integrations
 APPROVED

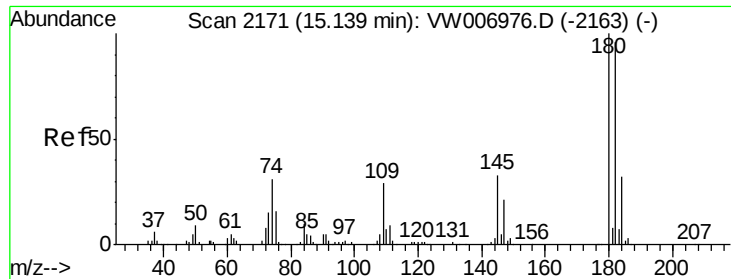
apatel
 11/27/2018 3:03:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.80 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007063.D
 Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	42.6	127.8
157	108.6	55.0	165.0





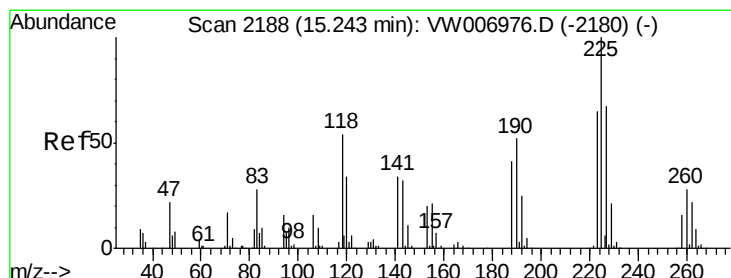
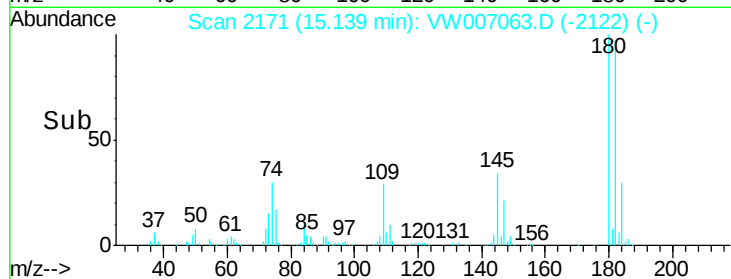
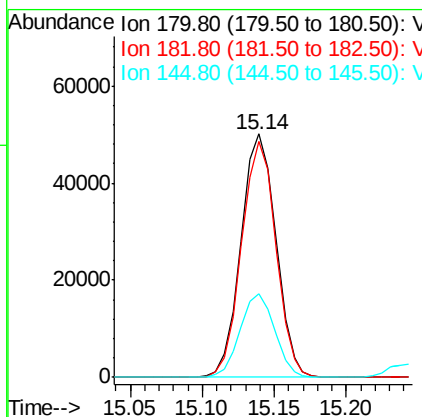
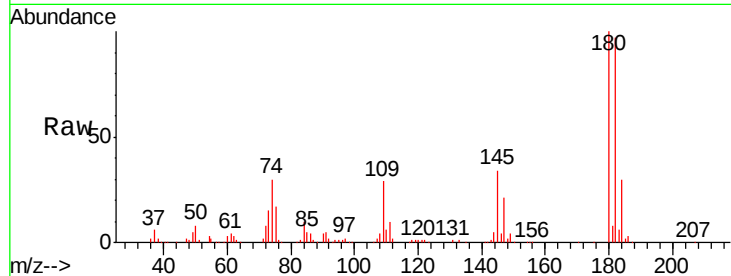
#93
1,2,4-Trichlorobenzene
Concen: 51.96 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	34.1	16.5	49.5

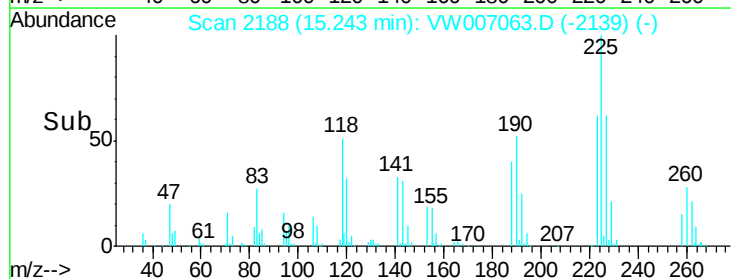
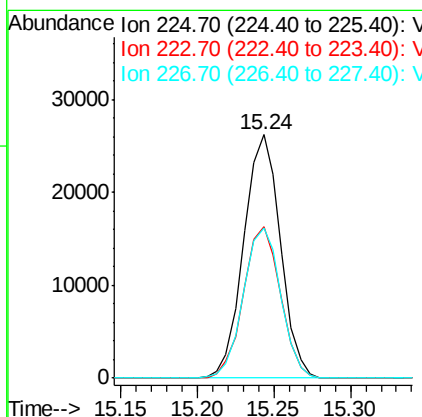
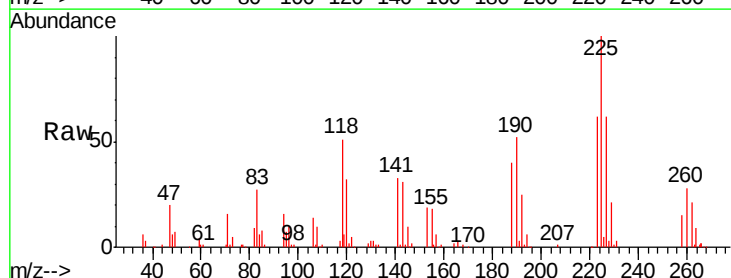
Manual Integrations
APPROVED

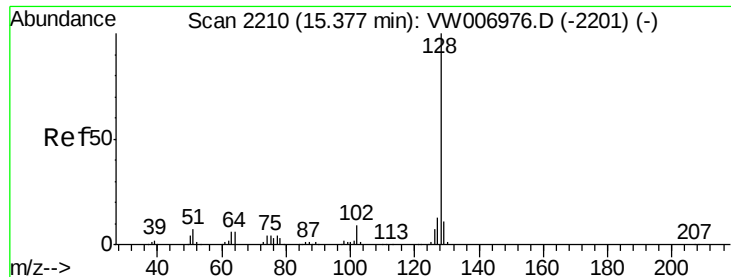
apatel
11/27/2018 3:03:09 PM



#94
Hexachlorobutadiene
Concen: 49.49 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.4	97.0
227	62.8	31.9	95.5





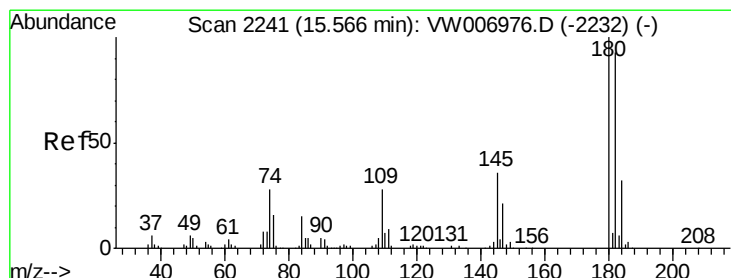
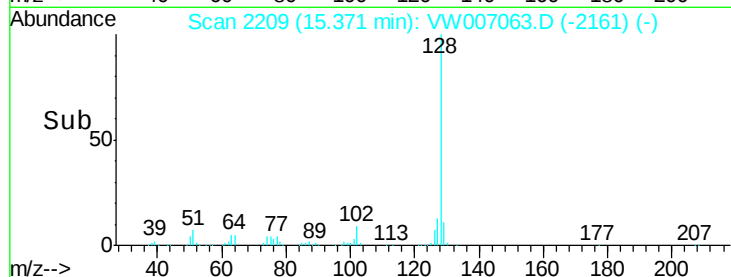
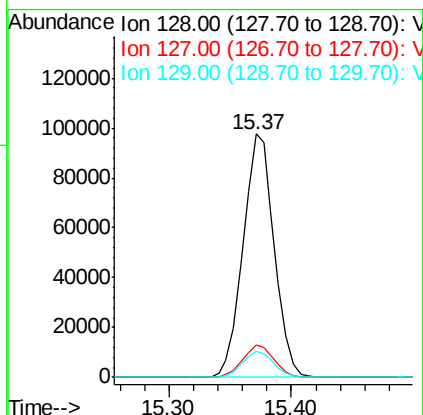
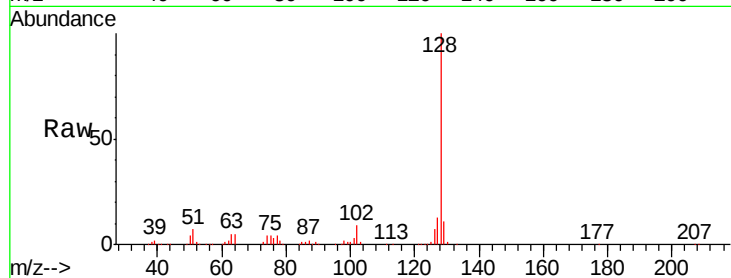
#95
Naphthalene
Concen: 58.40 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
11/27/2018 3:03:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.12 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007063.D
Acq: 26 Nov 2018 23:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.0	141.2
145	36.0	18.0	54.0

