

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110518\
 Data File : VW006638.D
 Acq On : 05 Nov 2018 16:06
 Operator : SY/AP
 Sample : J5696-02MS
 Misc : 5.52G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Manual Integrations
 APPROVED

apatel
 11/6/2018 8:15:20 AM

Quant Time: Nov 06 02:35:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	246438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	178213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	62718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	86873	57.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.94%	
35) Dibromofluoromethane	7.89	113	94108	60.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.70%	
50) Toluene-d8	10.33	98	298050	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.62	95	74630	34.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55818	61.761	ug/l	96
3) Chloromethane	2.21	50	64673	57.835	ug/l	100
4) Vinyl Chloride	2.37	62	94077	60.252	ug/l	98
5) Bromomethane	2.79	94	78785	60.125	ug/l	99
6) Chloroethane	2.93	64	66974	61.390	ug/l	98
7) Trichlorofluoromethane	3.26	101	81040	58.775	ug/l	97
8) Diethyl Ether	3.68	74	44461	58.990	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	76192	51.749	ug/l	99
10) Methyl Iodide	4.27	142	138710	51.959	ug/l	99
11) Tert butyl alcohol	5.21	59	22296	276.131	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	79982	56.244	ug/l	96
13) Acrolein	3.90	56	3126	30.782	ug/l	99
14) Allyl chloride	4.67	41	82374	44.377	ug/l	99
15) Acrylonitrile	5.37	53	74854	276.982	ug/l	98
16) Acetone	4.14	43	53463	220.966	ug/l	98
17) Carbon Disulfide	4.38	76	160577	39.681	ug/l	99
18) Methyl Acetate	4.68	43	74798	107.509	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	133763	63.193	ug/l	100
20) Methylene Chloride	4.92	84	97354	63.728	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	82591	51.327	ug/l	97
22) Diisopropyl ether	6.31	45	244133	63.087	ug/l	97
23) Vinyl Acetate	6.32	43	185944m	86.647	ug/l	
24) 1,1-Dichloroethane	6.22	63	159452	60.797	ug/l	100
25) 2-Butanone	7.18	43	74767	216.556	ug/l	99
26) 2,2-Dichloropropane	7.17	77	94510	59.821	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	95068	52.809	ug/l	99
28) Bromochloromethane	7.51	49	57349	55.068	ug/l	99
29) Tetrahydrofuran	7.54	42	62732	288.878	ug/l	99
30) Chloroform	7.68	83	167724	58.329	ug/l	98
31) Cyclohexane	7.96	56	86717	36.328	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	139414	57.297	ug/l	99
36) 1,1-Dichloropropene	8.09	75	106750	49.257	ug/l	100
37) Ethyl Acetate	7.26	43	19774	26.329	ug/l #	79
38) Carbon Tetrachloride	8.07	117	123097	54.359	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110518\
 Data File : VW006638.D
 Acq On : 05 Nov 2018 16:06
 Operator : SY/AP
 Sample : J5696-02MS
 Misc : 5.52G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Manual Integrations
 APPROVED

apatel
 11/6/2018 8:15:20 AM

Quant Time: Nov 06 02:35:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	68419	24.878	ug/l	98
40) Benzene	8.33	78	349092	56.711	ug/l	100
41) Methacrylonitrile	7.49	41	27636	60.010	ug/l	92
42) 1,2-Dichloroethane	8.40	62	99758	56.509	ug/l	100
43) Isopropyl Acetate	8.43	43	48935	32.653	ug/l #	89
44) Trichloroethene	9.10	130	90324	47.551	ug/l	98
45) 1,2-Dichloropropane	9.37	63	83377	58.203	ug/l	99
46) Dibromomethane	9.46	93	44739	53.128	ug/l	100
47) Bromodichloromethane	9.65	83	110038	56.278	ug/l	99
48) Methyl methacrylate	9.44	41	47880	66.312	ug/l	99
49) 1,4-Dioxane	9.47	88	12888	1045.774	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	222449	289.014	ug/l	100
52) Toluene	10.39	92	195988	47.470	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	87632	46.569	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	107946	48.543	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	63169	52.870	ug/l	98
56) Ethyl methacrylate	10.65	69	39939	29.410	ug/l	98
57) 1,3-Dichloropropane	10.94	76	101650	52.393	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	151719	229.827	ug/l	99
59) 2-Hexanone	10.98	43	134224	256.759	ug/l	99
60) Dibromochloromethane	11.13	129	72352	51.110	ug/l	99
61) 1,2-Dibromoethane	11.24	107	56452	47.578	ug/l	99
64) Tetrachloroethene	10.87	164	65737	46.274	ug/l	97
65) Chlorobenzene	11.66	112	194819	51.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	82345	62.472	ug/l	100
67) Ethyl Benzene	11.74	91	312664	49.881	ug/l	100
68) m/p-Xylenes	11.84	106	245463	98.017	ug/l	100
69) o-Xylene	12.17	106	119532	50.137	ug/l	99
70) Styrene	12.18	104	177608	45.693	ug/l	98
71) Bromoform	12.35	173	40889	58.521	ug/l #	96
73) Isopropylbenzene	12.47	105	262654	63.573	ug/l	100
74) N-amyl acetate	12.28	43	20211	28.309	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	61238	93.845	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	47313m	96.687	ug/l	
77) Bromobenzene	12.75	156	75278	70.372	ug/l	97
78) n-propylbenzene	12.81	91	258974	54.496	ug/l	100
79) 2-Chlorotoluene	12.90	91	162927	59.739	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	190830	54.978	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14522	75.425	ug/l	99
82) 4-Chlorotoluene	12.99	91	168211	58.298	ug/l	100
83) tert-Butylbenzene	13.21	119	154386	49.877	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	196335	55.146	ug/l	99
85) sec-Butylbenzene	13.39	105	170813	39.401	ug/l	100
86) p-Isopropyltoluene	13.51	119	154441	39.151	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	105822	50.232	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	107629	51.541	ug/l	100
89) n-Butylbenzene	13.83	91	97175	27.751	ug/l	99
90) Hexachloroethane	14.10	117	25958	40.038	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	99258	52.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8158	77.047	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110518\
Data File : VW006638.D
Acq On : 05 Nov 2018 16:06
Operator : SY/AP
Sample : J5696-02MS
Misc : 5.52G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

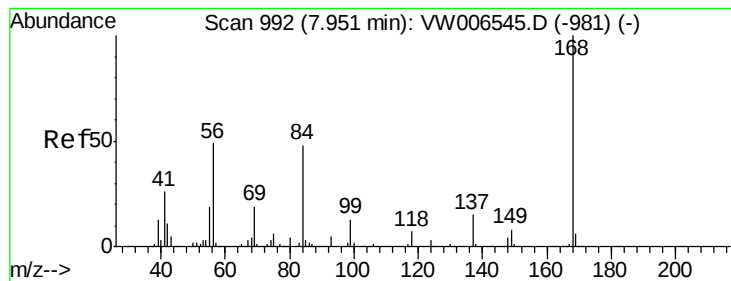
Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM

Quant Time: Nov 06 02:35:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33858	24.029	ug/l	99
94) Hexachlorobutadiene	15.24	225	10772	12.266	ug/l	98
95) Naphthalene	15.38	128	85995	37.973	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	28305	22.856	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

DL-SED-01MS

Tot Ion:168 Resp: 174340

Ion Ratio Lower Upper

168 100

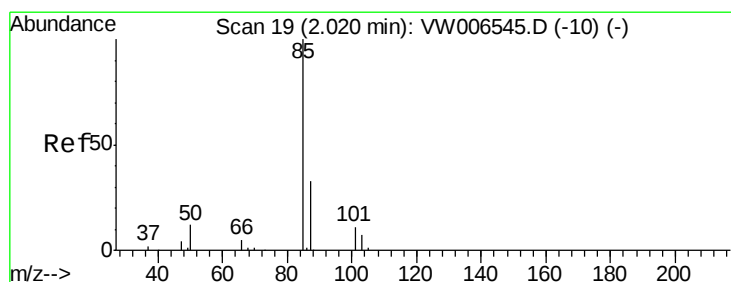
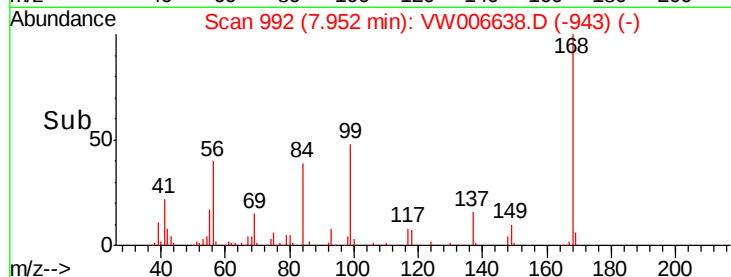
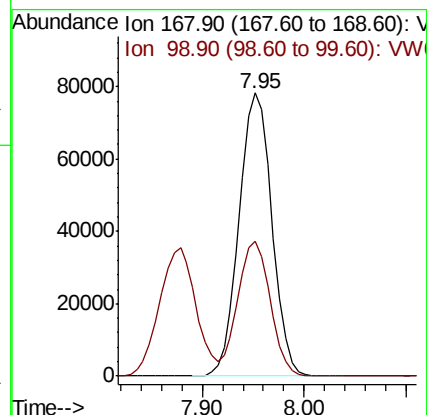
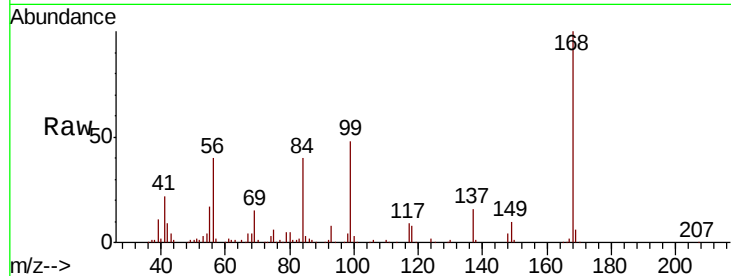
99 47.9 37.4 56.0

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#2

Dichlorodifluoromethane

Concen: 61.761 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW006638.D

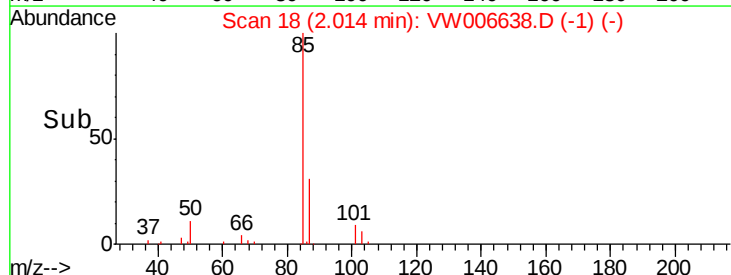
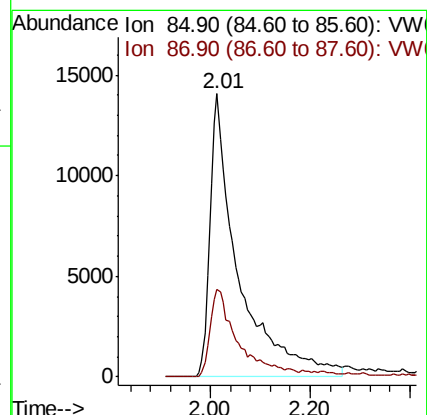
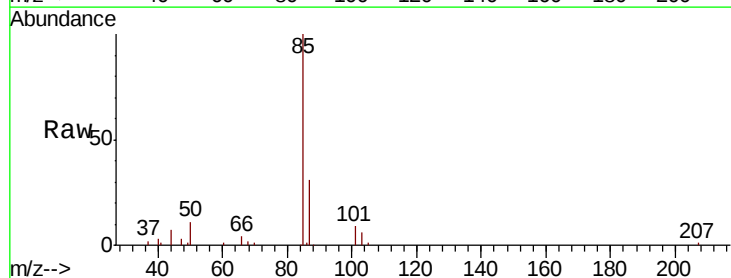
Acq: 05 Nov 2018 16:06

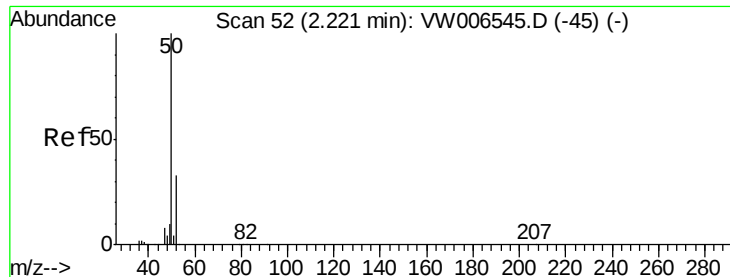
Tgt Ion: 85 Resp: 55818

Ion Ratio Lower Upper

85 100

87 31.2 16.8 50.3





#3

Chloromethane

Concen: 57.835 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion: 50 Resp: 64673

Ion Ratio Lower Upper

50 100

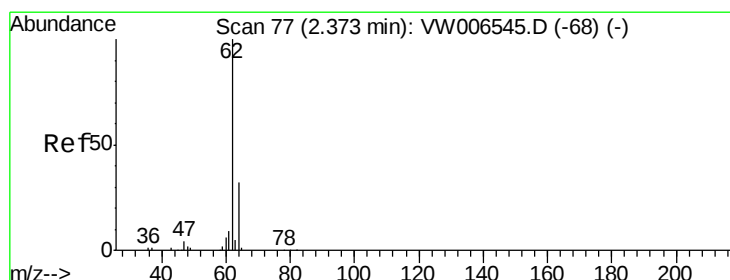
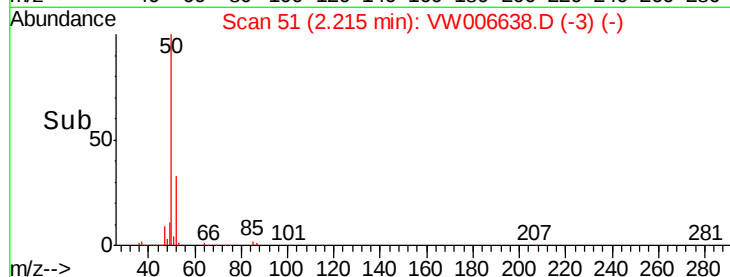
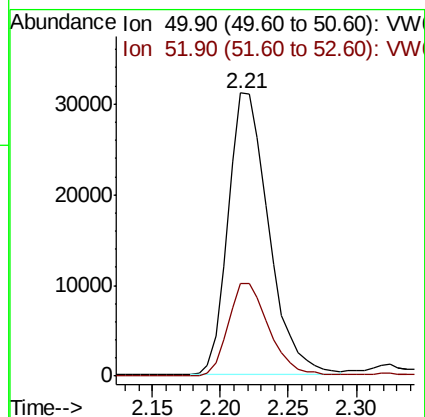
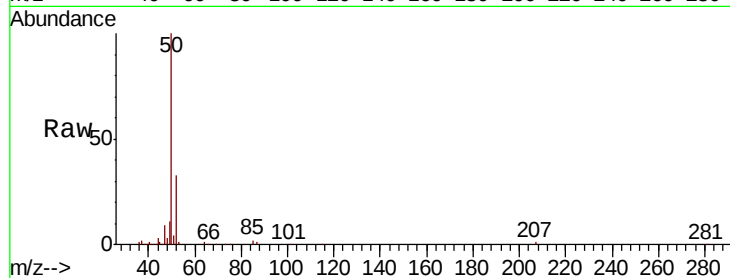
52 33.0 26.2 39.4

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#4

Vinyl Chloride

Concen: 60.252 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006638.D

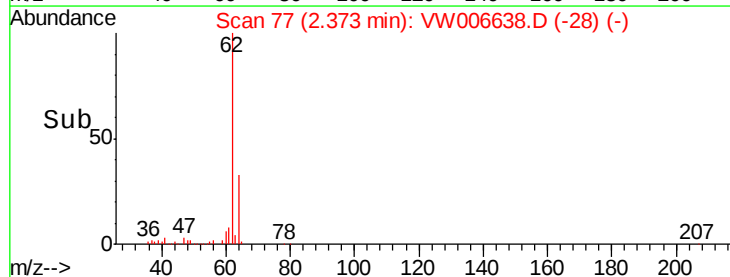
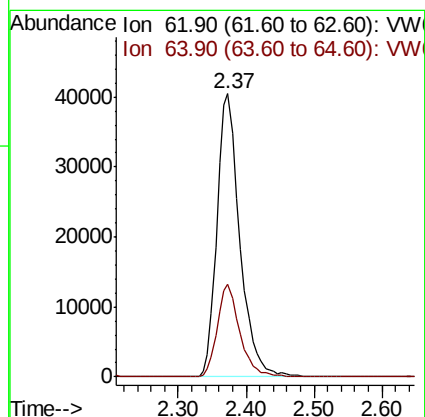
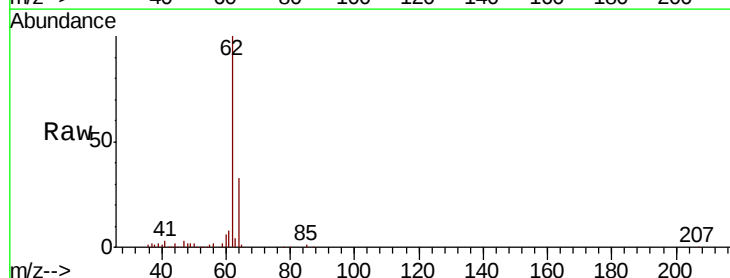
Acq: 05 Nov 2018 16:06

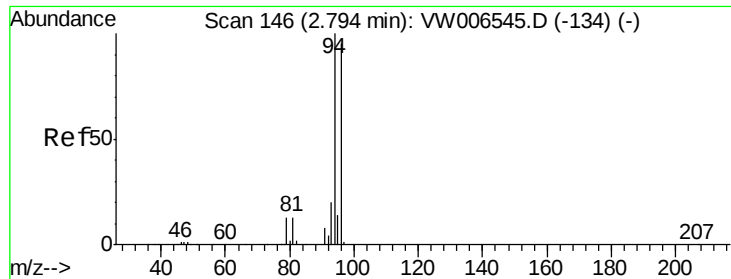
Tgt Ion: 62 Resp: 94077

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 60.125 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion: 94 Resp: 78785

Ion Ratio Lower Upper

94 100

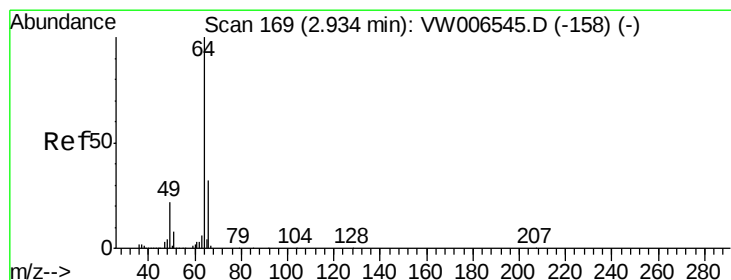
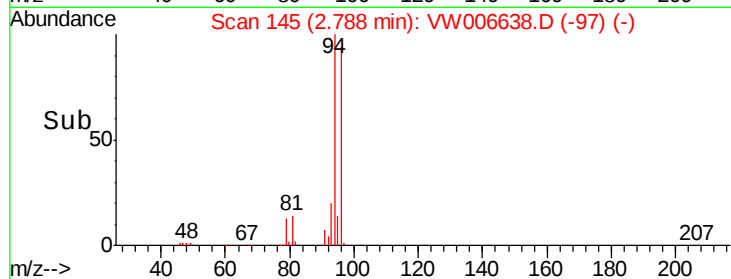
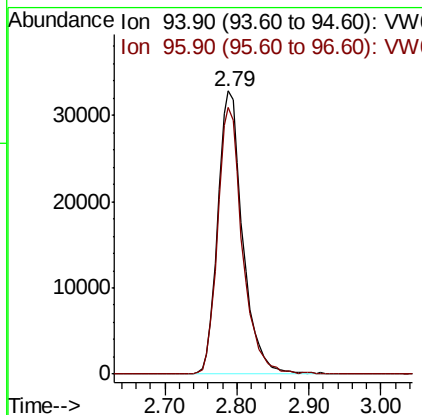
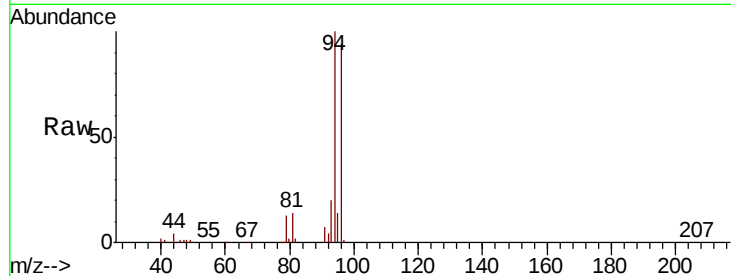
96 94.1 75.7 113.5

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#6

Chloroethane

Concen: 61.390 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006638.D

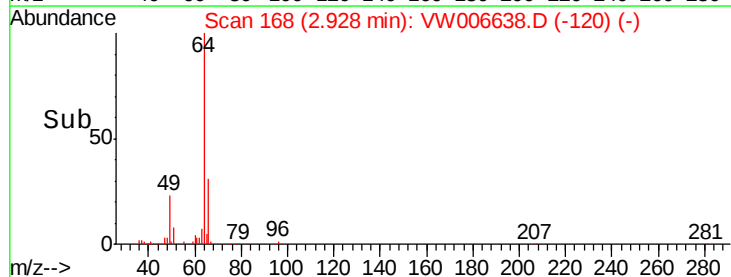
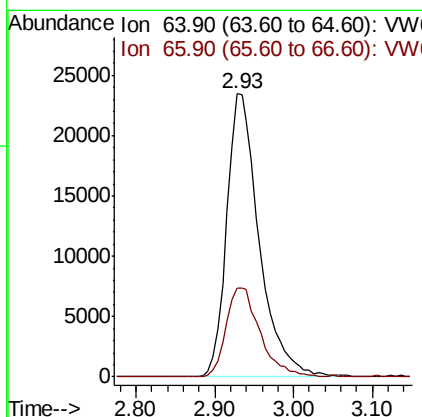
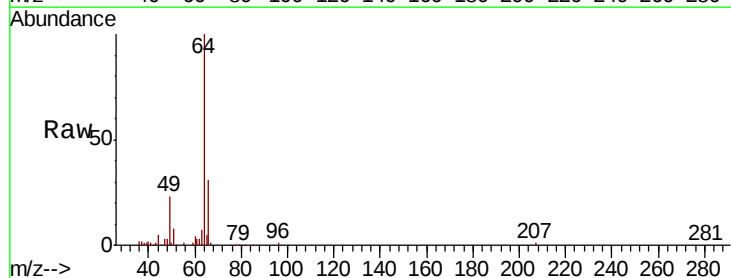
Acq: 05 Nov 2018 16:06

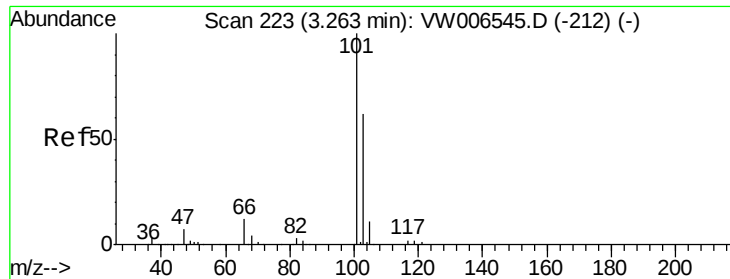
Tgt Ion: 64 Resp: 66974

Ion Ratio Lower Upper

64 100

66 31.2 25.9 38.9





#7

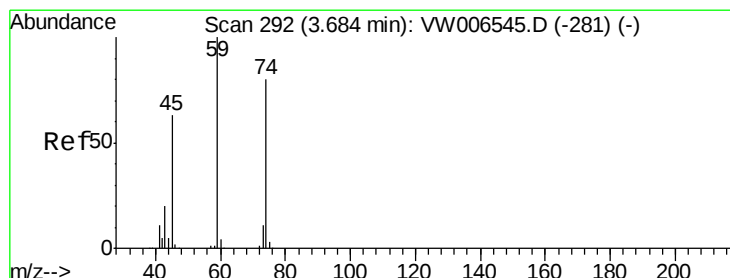
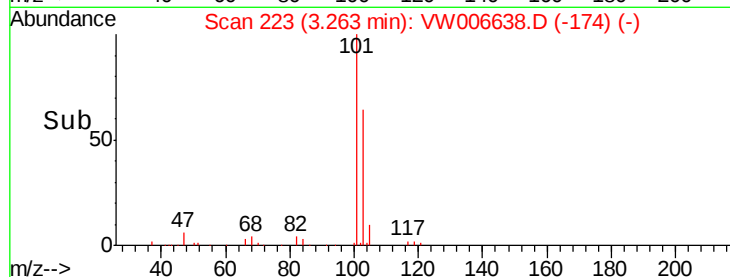
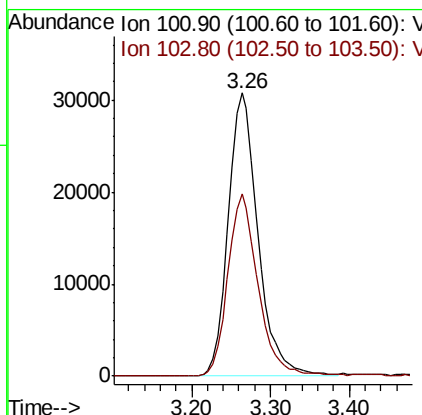
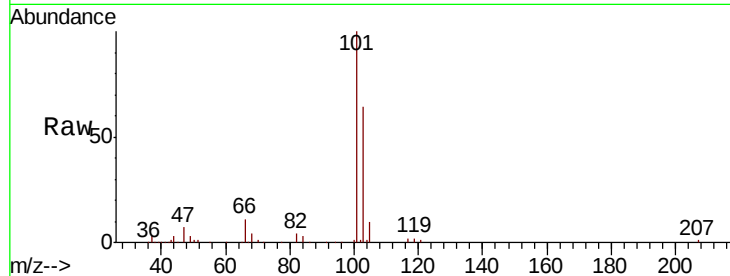
Trichlorofluoromethane
 Concen: 58.775 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.8	74.8

Manual Integrations
 APPROVED

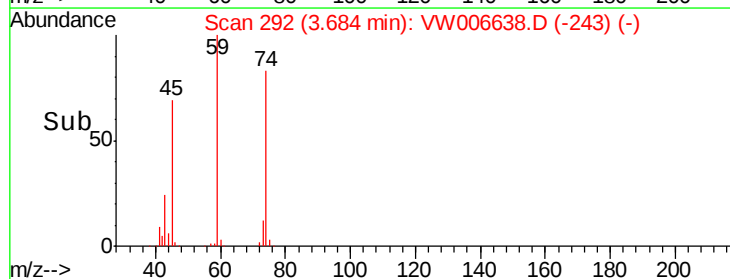
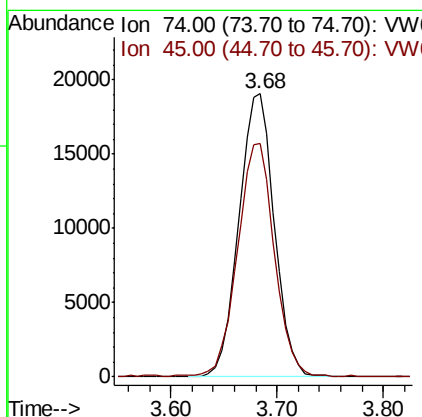
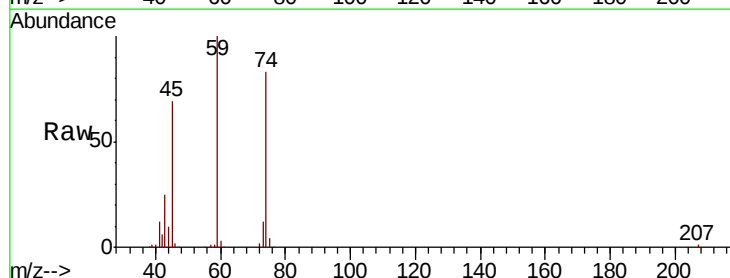
apatel
 11/6/2018 8:15:20 AM

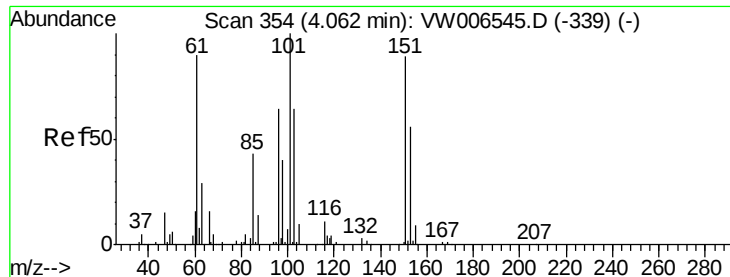


#8

Diethyl Ether
 Concen: 58.990 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.0	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.749 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

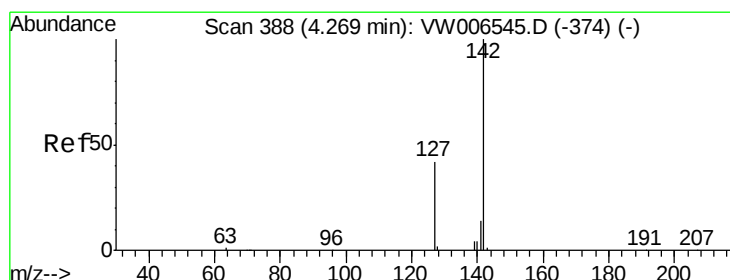
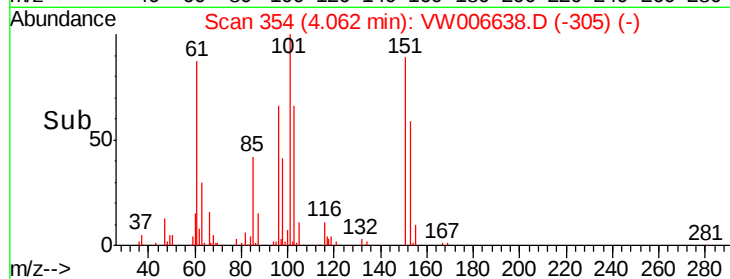
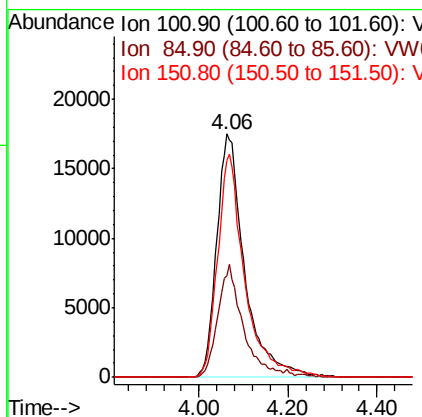
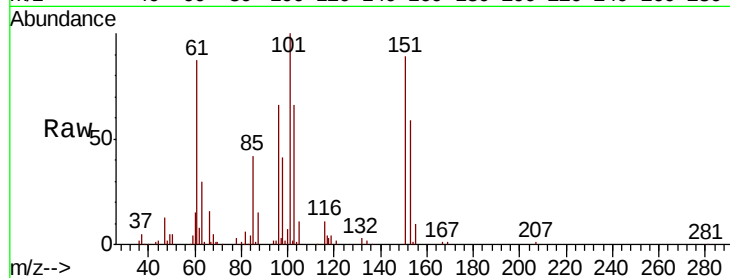
ClientSampleId :

DL-SED-01MS

Tot Ion:	101	Resp:	76192
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	89.2	70.7	106.1

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#10

Methyl Iodide

Concen: 51.959 ug/l

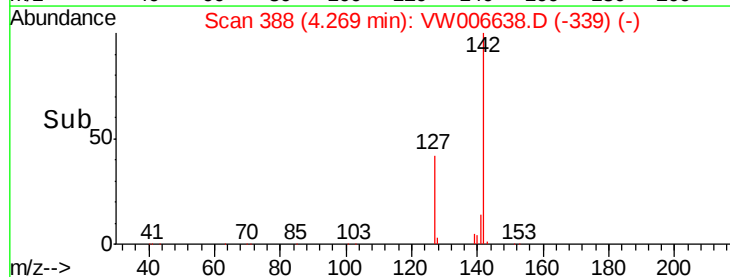
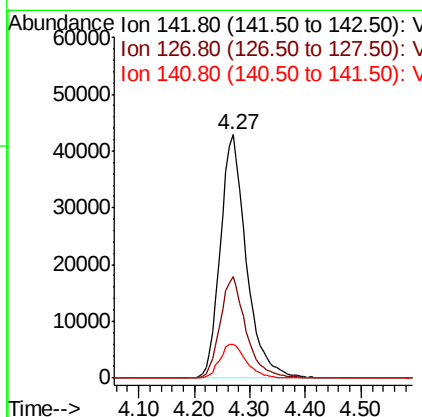
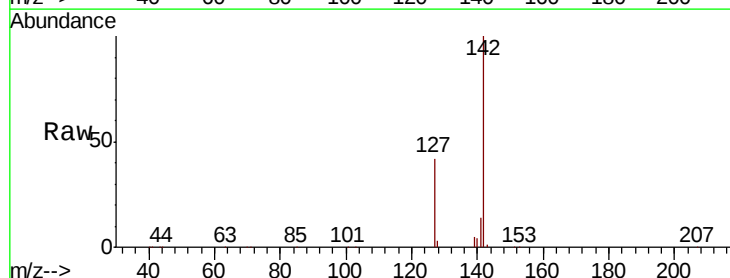
RT: 4.27 min Scan# 388

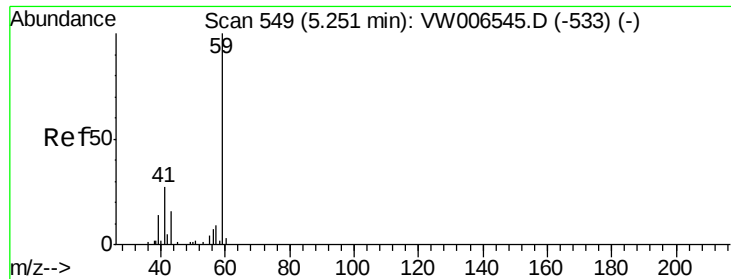
Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Tgt Ion:	142	Resp:	138710
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.3	48.5
141	14.4	11.3	16.9





#11

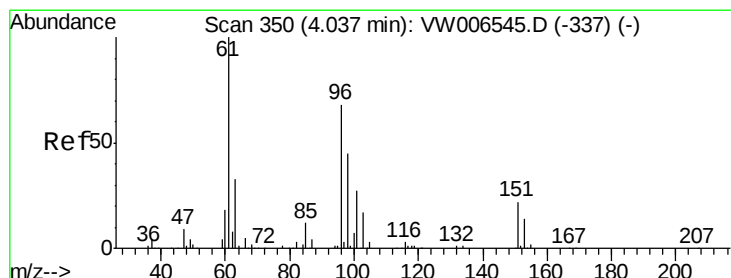
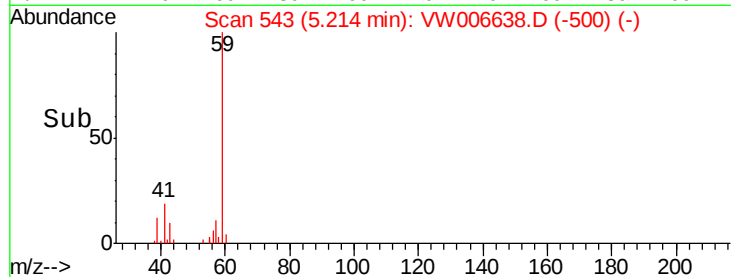
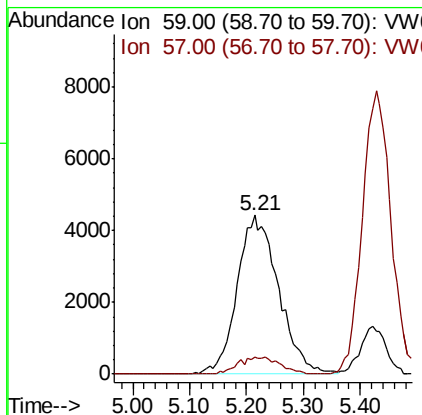
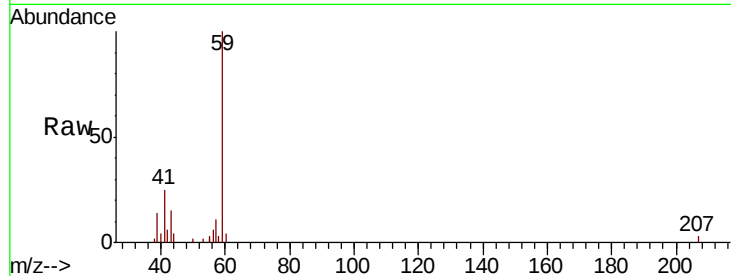
Tert butyl alcohol
Concen: 276.131 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.04 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion: 59 Resp: 22296
Ion Ratio Lower Upper
59 100
57 10.7 4.3 6.5#

Manual Integrations
APPROVED

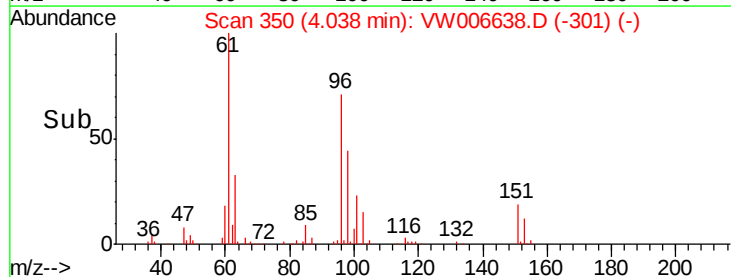
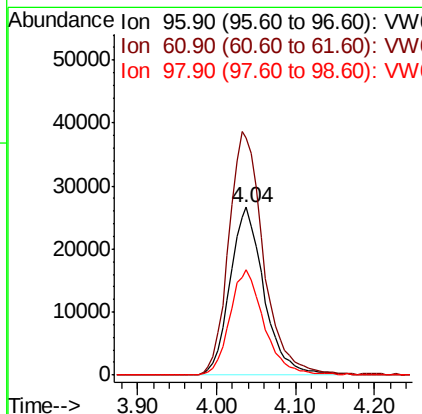
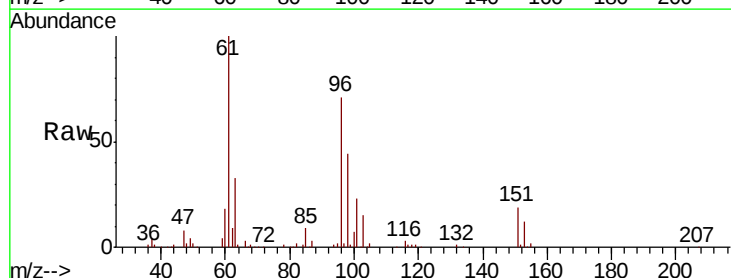
apatel
11/6/2018 8:15:20 AM

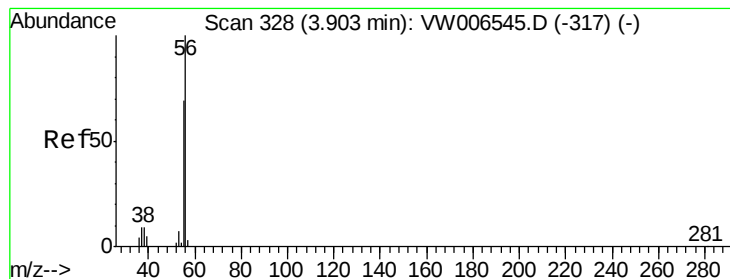


#12

1,1-Dichloroethene
Concen: 56.244 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion: 96 Resp: 79982
Ion Ratio Lower Upper
96 100
61 141.8 117.0 175.4
98 62.6 52.5 78.7





#13

Acrolein

Concen: 30.782 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion: 56 Resp: 3126

Ion Ratio Lower Upper

56 100

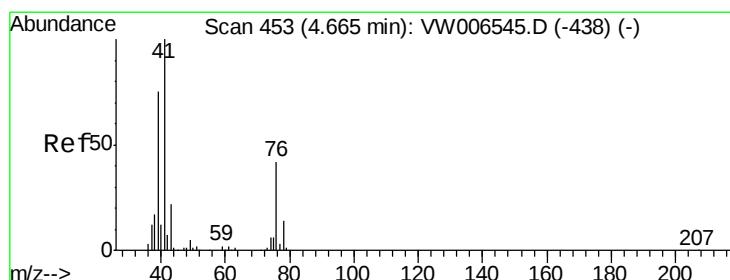
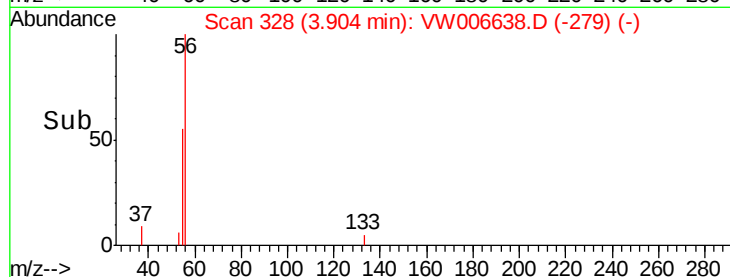
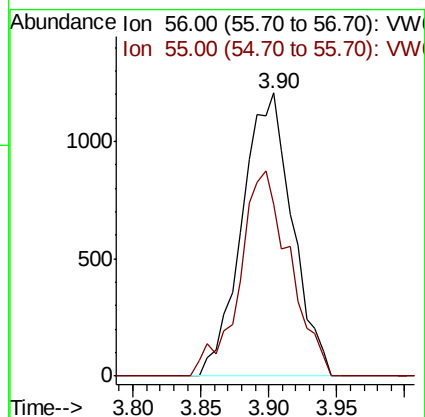
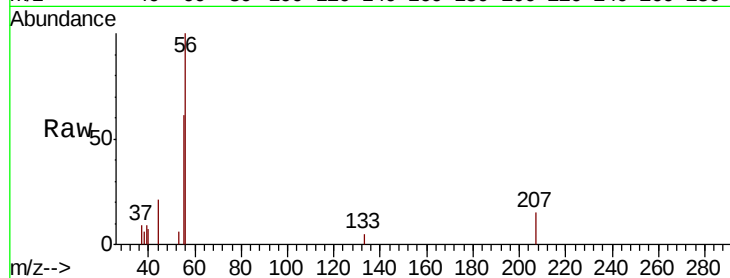
55 72.3 56.9 85.3

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#14

Allyl chloride

Concen: 44.377 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

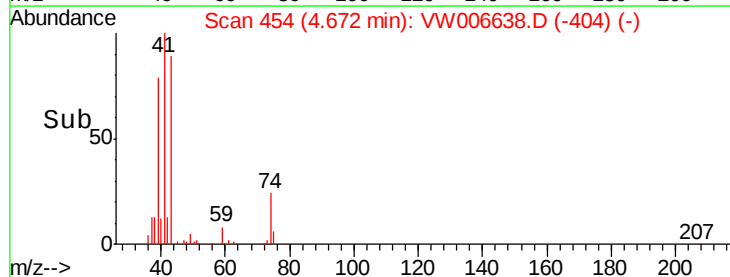
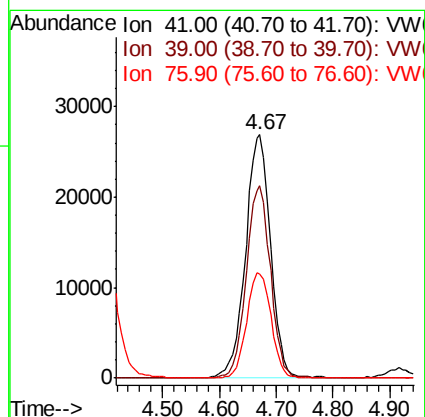
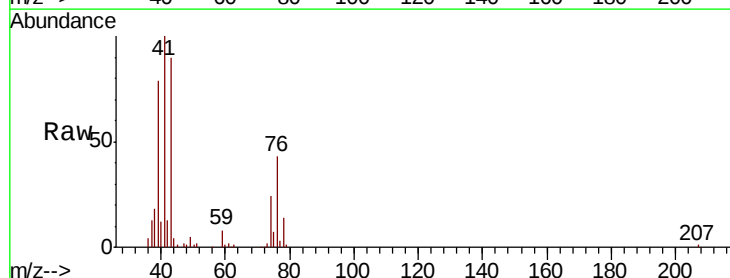
Tgt Ion: 41 Resp: 82374

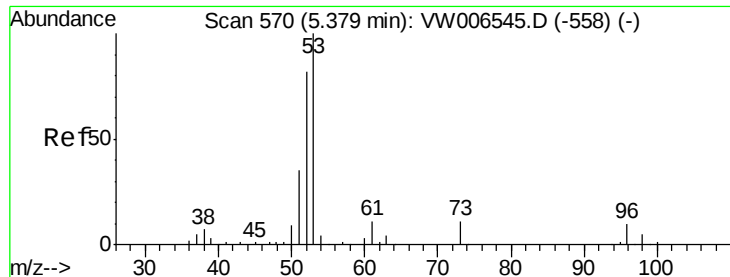
Ion Ratio Lower Upper

41 100

39 76.3 62.1 93.1

76 42.1 34.2 51.2





#15

Acrylonitrile

Concen: 276.982 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

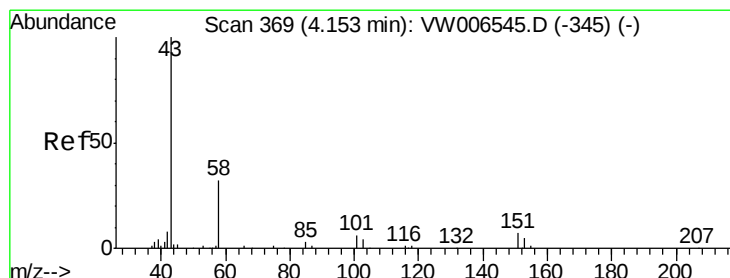
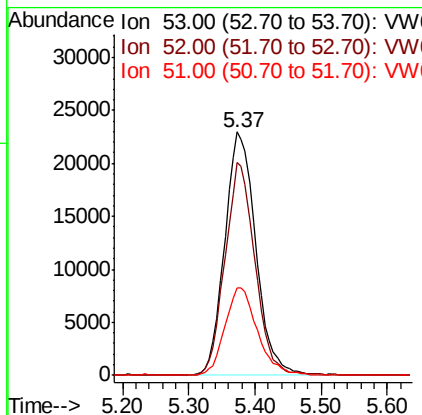
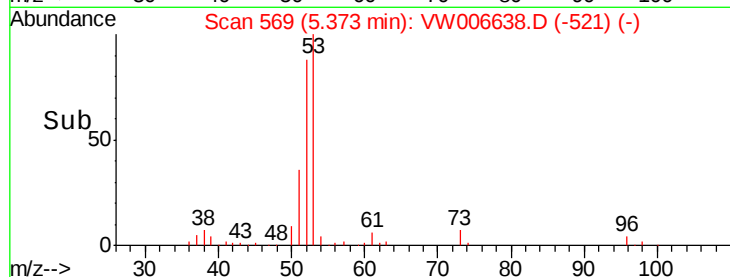
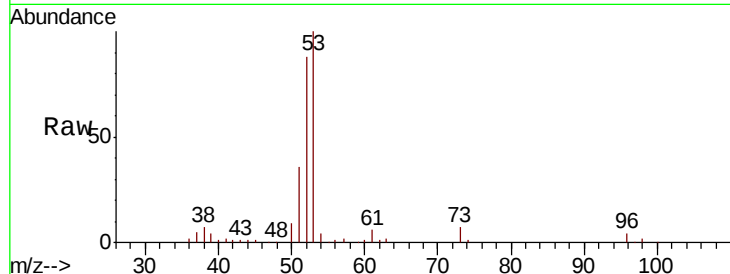
ClientSampleId :

DL-SED-01MS

Tot Ion:	53	Resp:	74854
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.8	98.8
51	37.4	29.6	44.4

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#16

Acetone

Concen: 220.966 ug/l

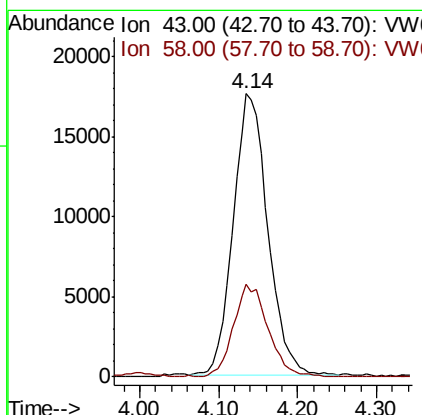
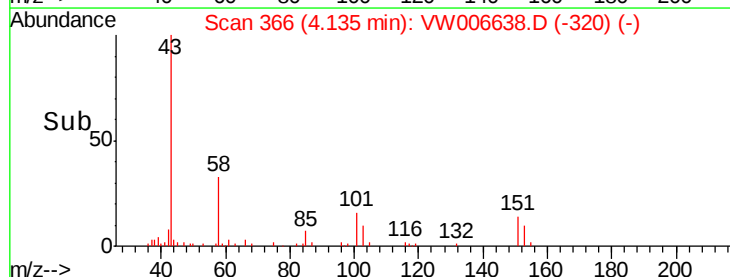
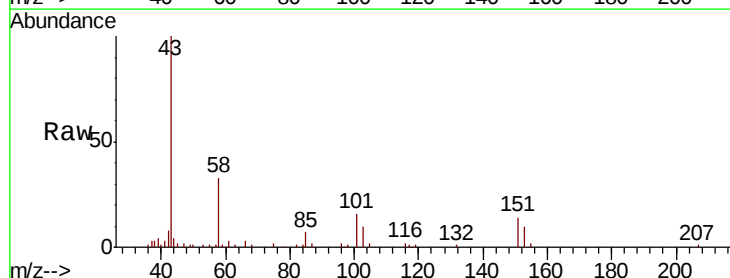
RT: 4.14 min Scan# 366

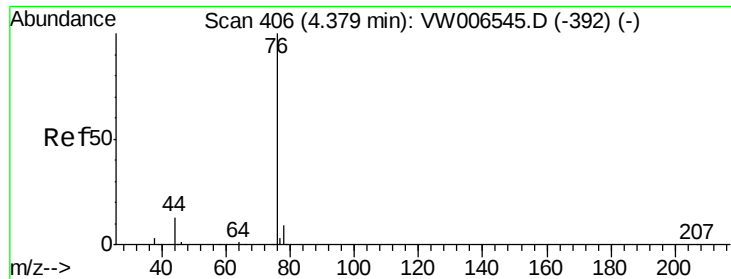
Delta R.T. -0.02 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Tgt Ion:	43	Resp:	53463
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.8	38.8





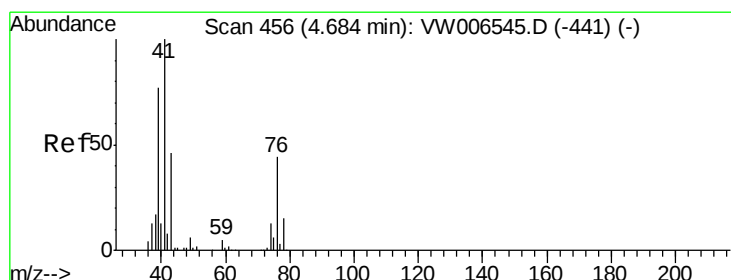
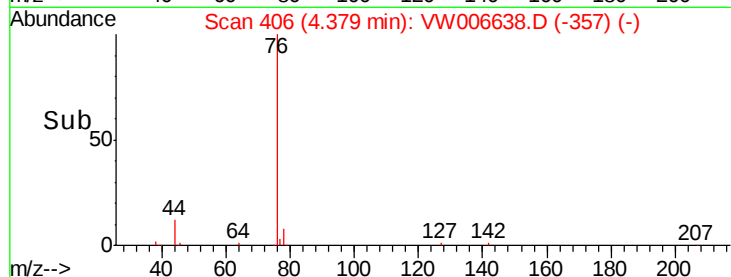
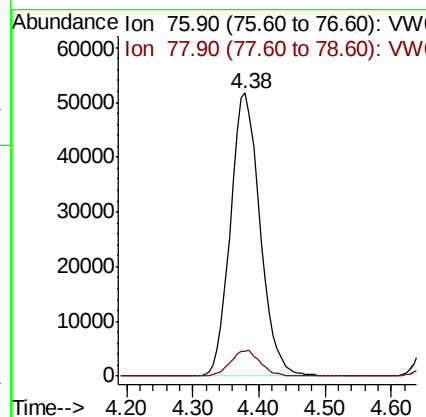
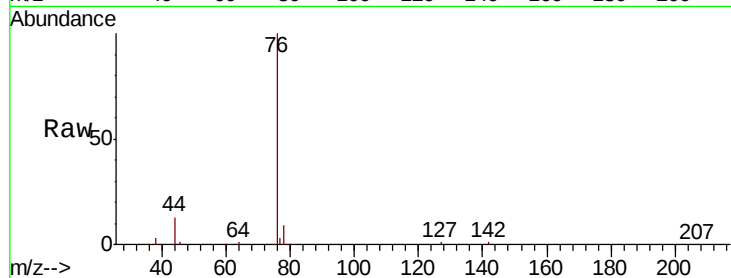
#17
Carbon Disulfide
Concen: 39.681 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

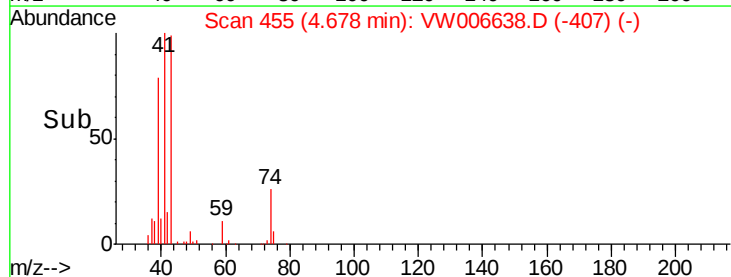
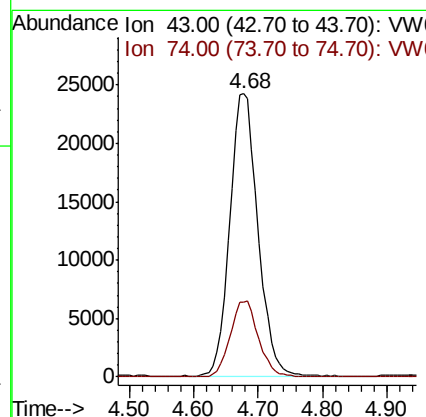
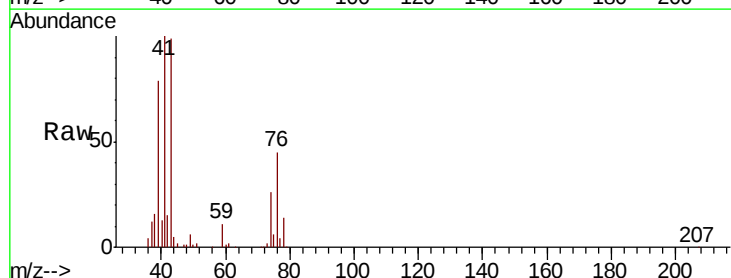
Manual Integrations
APPROVED

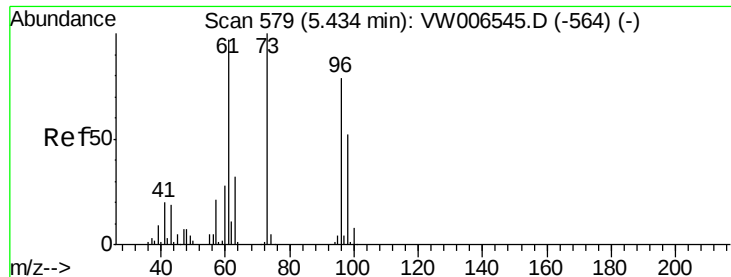
apatel
11/6/2018 8:15:20 AM



#18
Methyl Acetate
Concen: 107.509 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	21.9	32.9





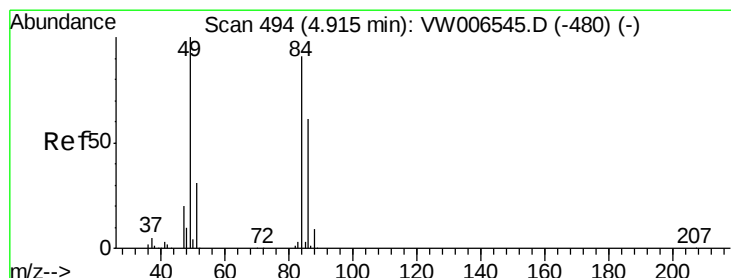
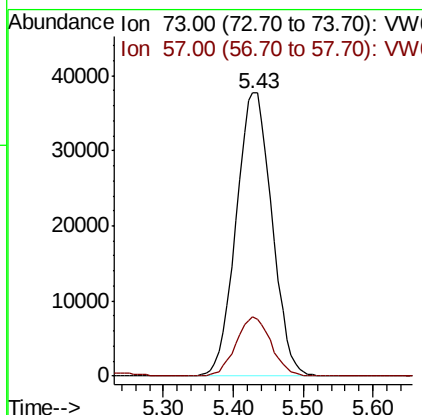
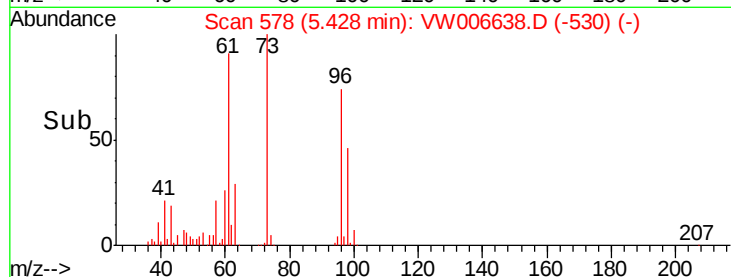
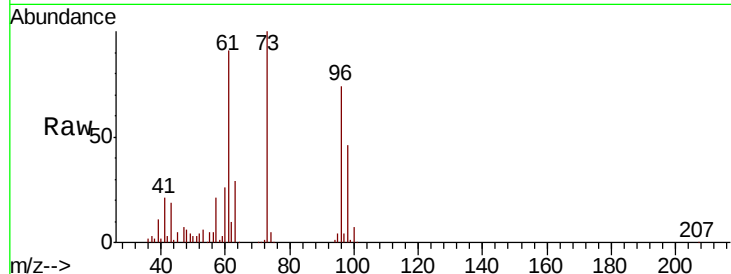
#19
Methvl tert-butvl Ether
Concen: 63.193 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion: 73 Resp: 133763
Ion Ratio Lower Upper
73 100
57 20.9 16.7 25.1

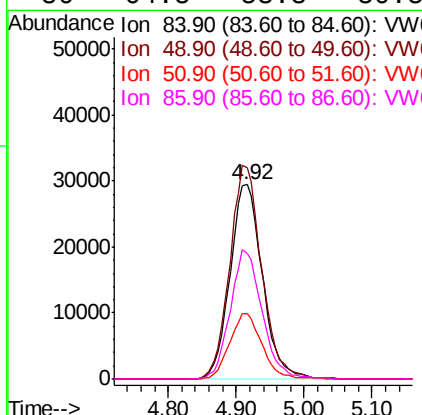
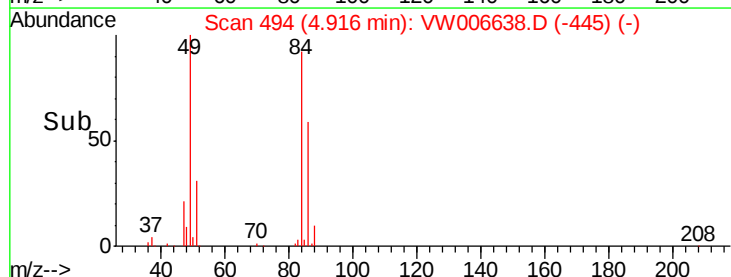
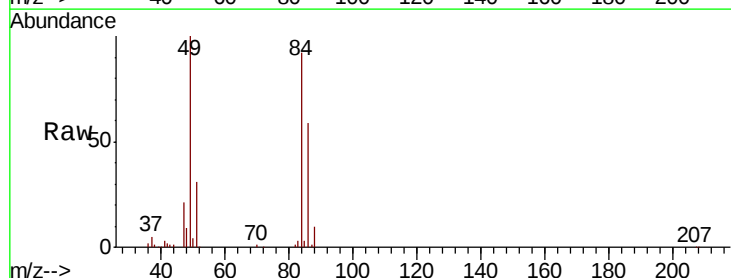
Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#20
Methylene Chloride
Concen: 63.728 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion: 84 Resp: 97354
Ion Ratio Lower Upper
84 100
49 109.2 88.2 132.4
51 33.6 27.0 40.6
86 64.5 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 51.327 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

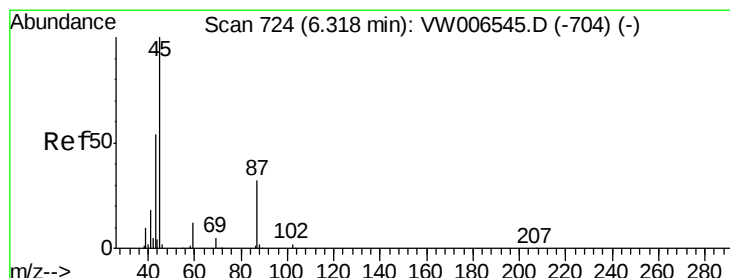
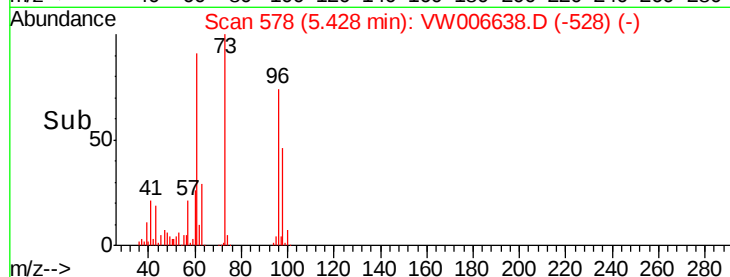
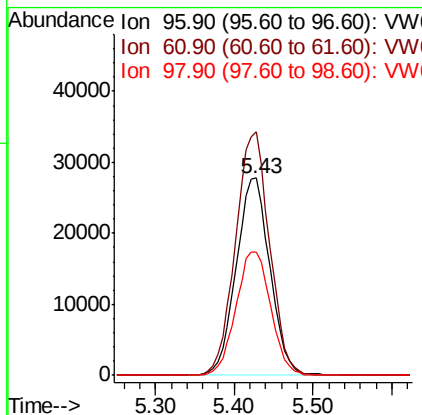
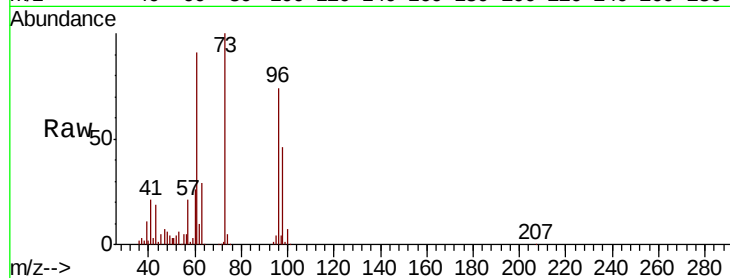
ClientSampleId :

DL-SED-01MS

Tot Ion:	96	Resp:	82591
Ion	Ratio	Lower	Upper
96	100		
61	123.6	100.6	150.8
98	62.6	52.9	79.3

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#22

Diisopropyl ether

Concen: 63.087 ug/l

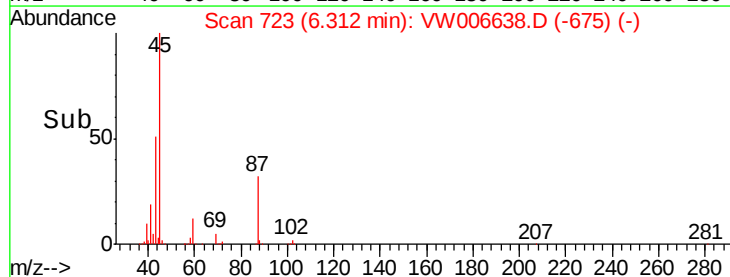
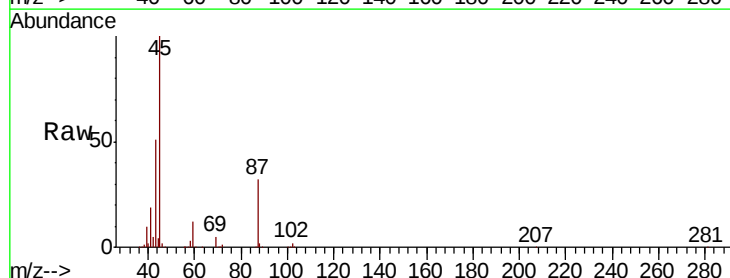
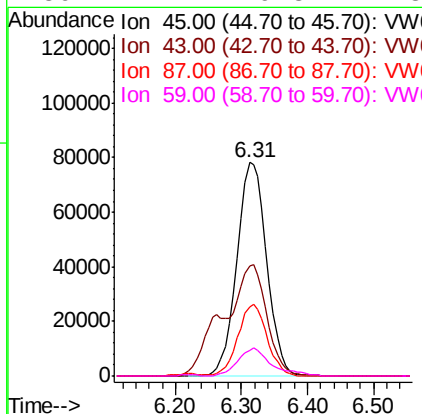
RT: 6.31 min Scan# 723

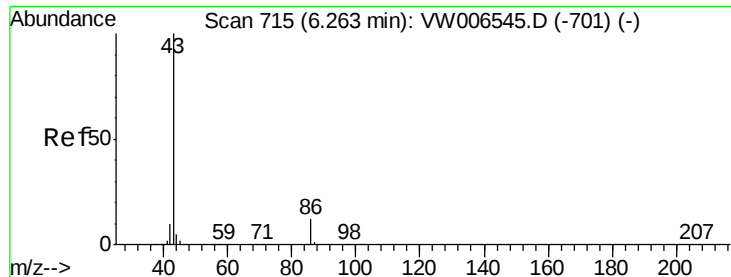
Delta R.T. -0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Tgt Ion:	45	Resp:	244133
Ion	Ratio	Lower	Upper
45	100		
43	51.1	43.6	65.4
87	32.3	26.3	39.5
59	12.1	9.8	14.8





#23

Vinyl Acetate

Concen: 86.647 ug/l m

RT: 6.32 min Scan# 724

Delta R.T. 0.06 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion: 43 Resp: 185944

Ion Ratio Lower Upper

43 100

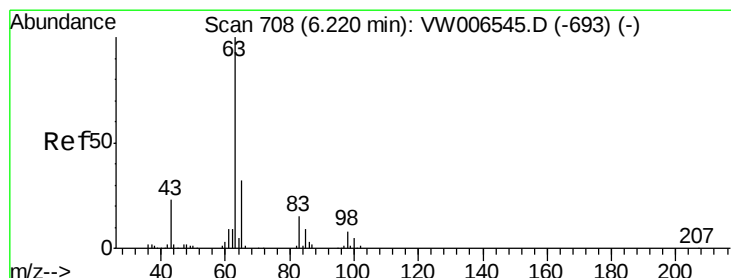
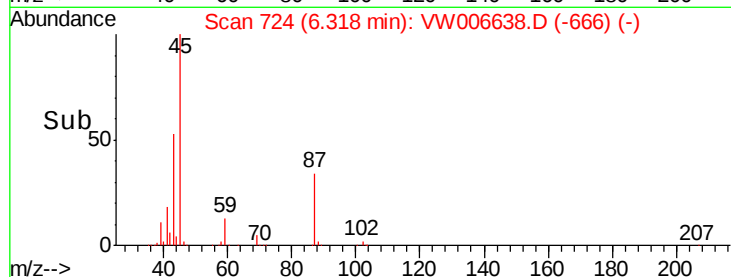
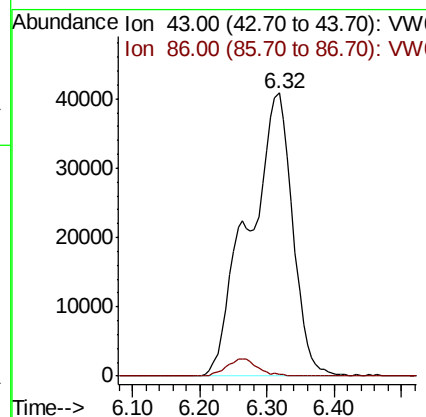
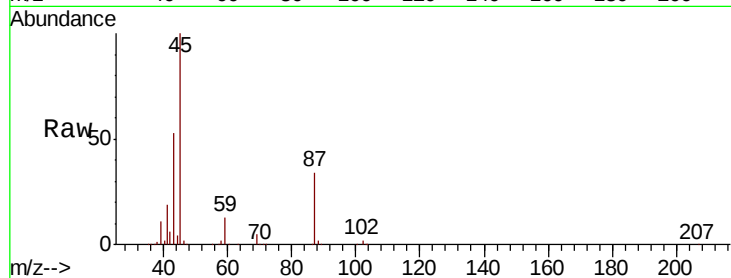
86 0.8 9.8 14.8#

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#24

1,1-Dichloroethane

Concen: 60.797 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

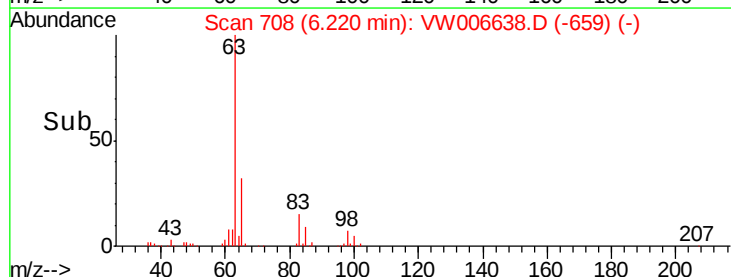
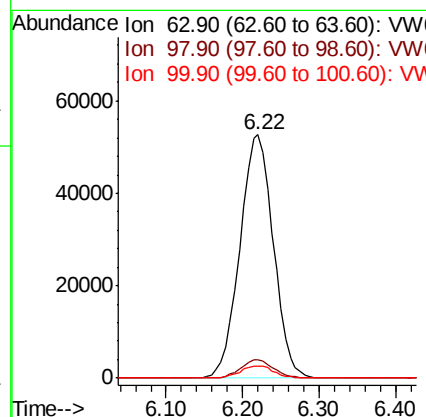
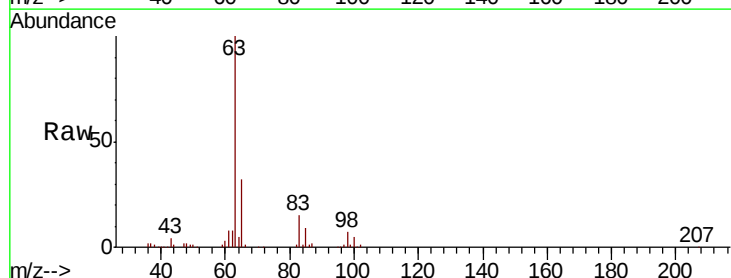
Tgt Ion: 63 Resp: 159452

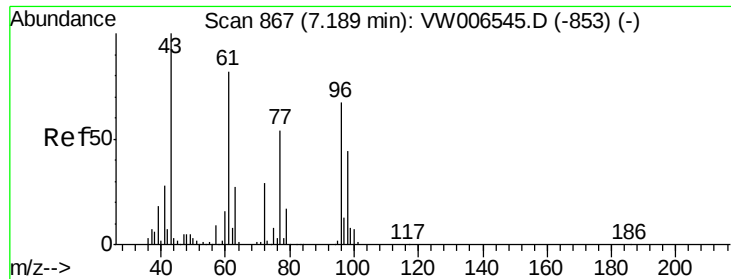
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 216.556 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion: 43 Resp: 74767

Ion Ratio Lower Upper

43 100

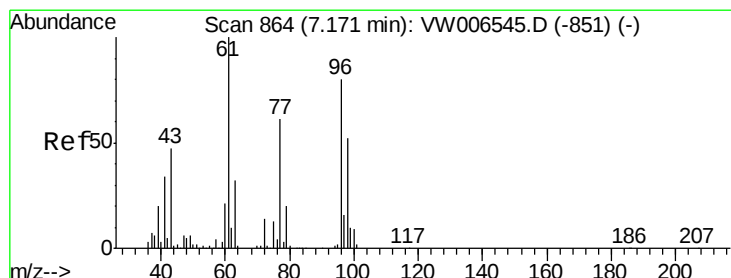
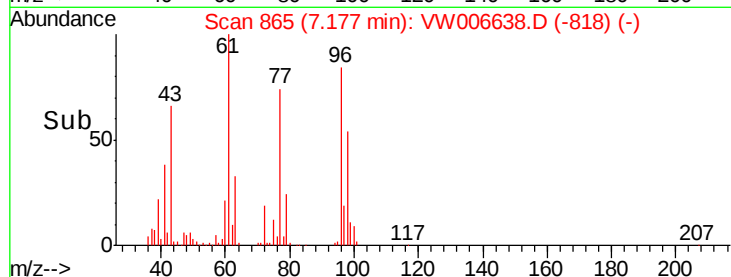
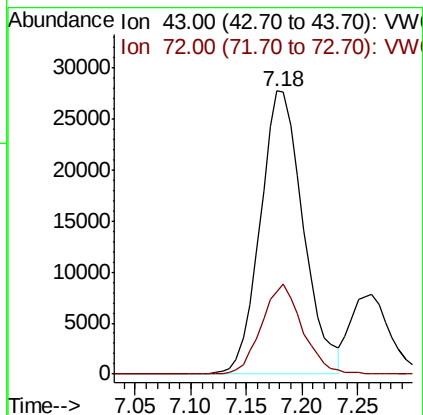
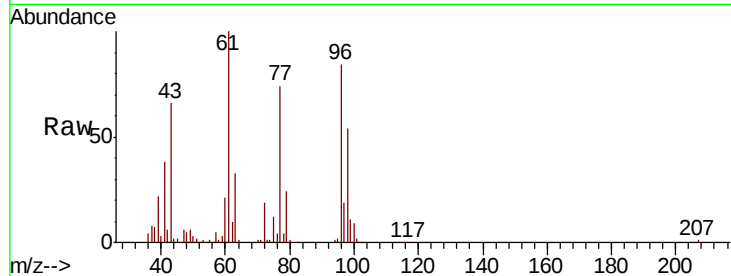
72 29.3 23.2 34.8

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#26

2,2-Dichloropropane

Concen: 59.821 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006638.D

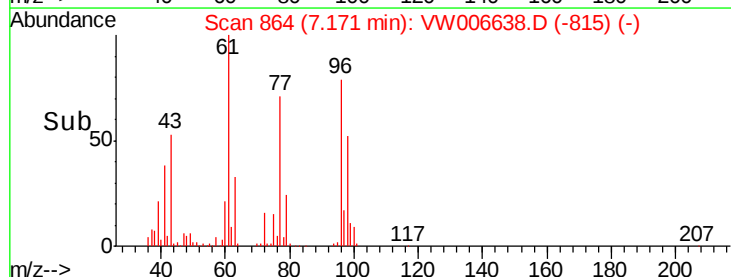
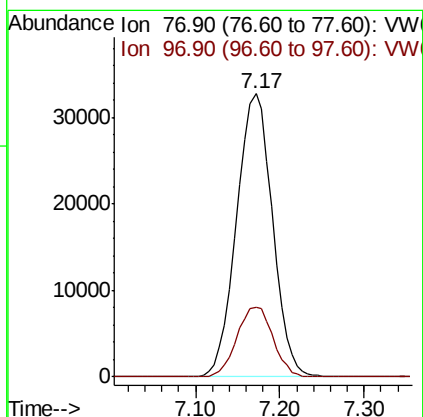
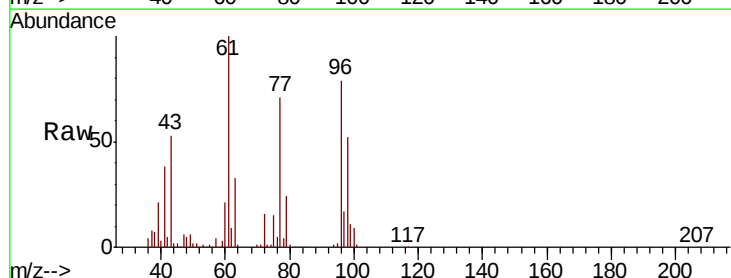
Acq: 05 Nov 2018 16:06

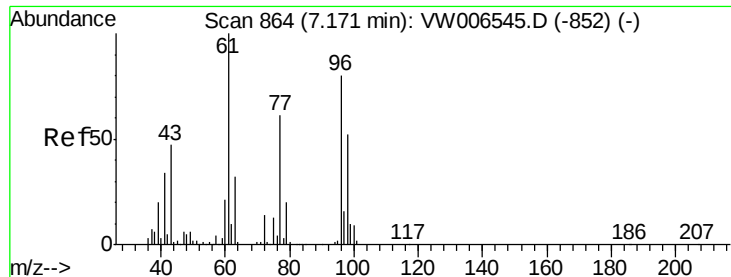
Tgt Ion: 77 Resp: 94510

Ion Ratio Lower Upper

77 100

97 24.7 12.8 38.4





#27

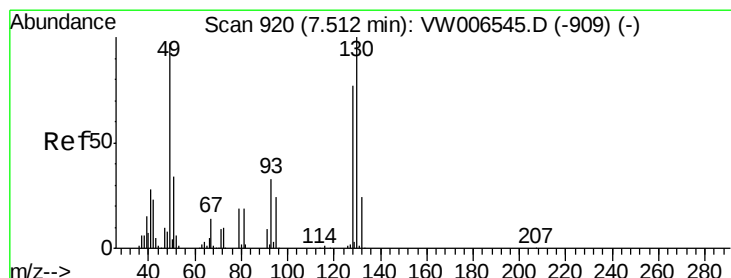
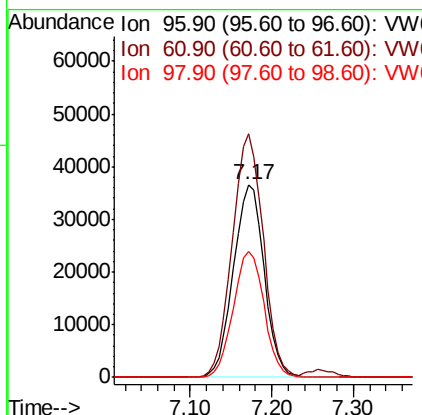
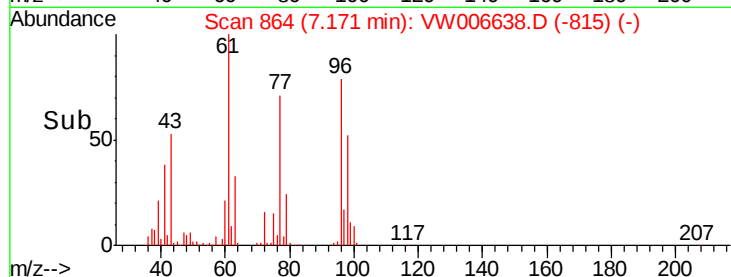
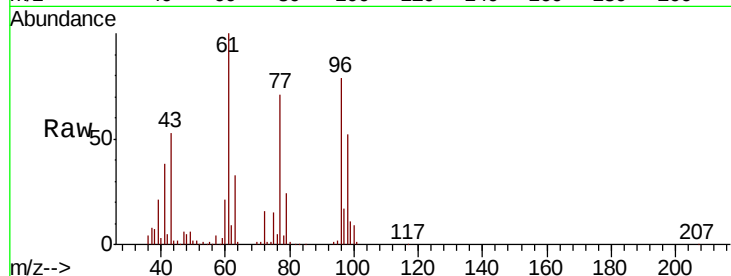
cis-1,2-Dichloroethene
 Concen: 52.809 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Instrument :
 MSVOA_W
 ClientSampled :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	254.2
98	65.5	0.0	129.6

Manual Integrations
 APPROVED

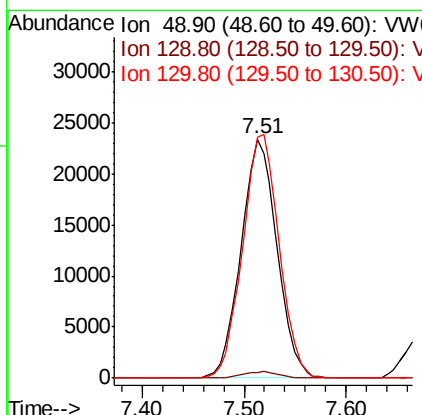
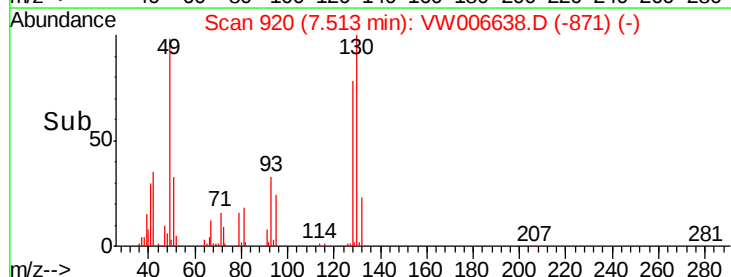
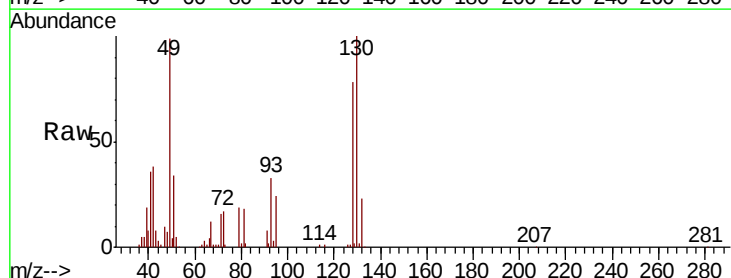
apatel
 11/6/2018 8:15:20 AM

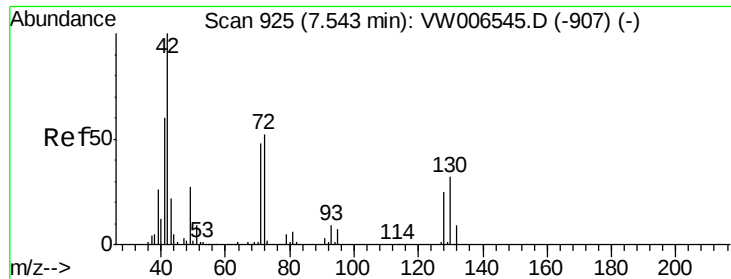


#28

Bromochloromethane
 Concen: 55.068 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	103.3	82.2	123.2





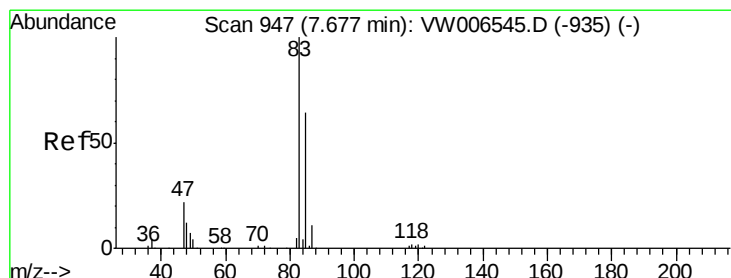
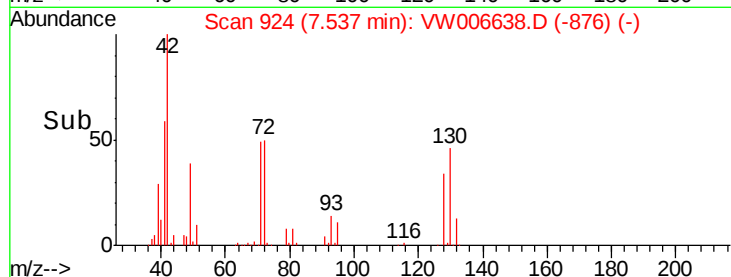
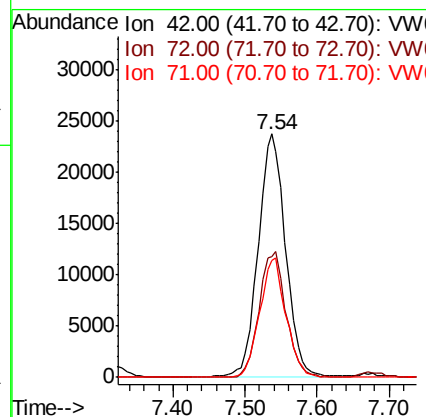
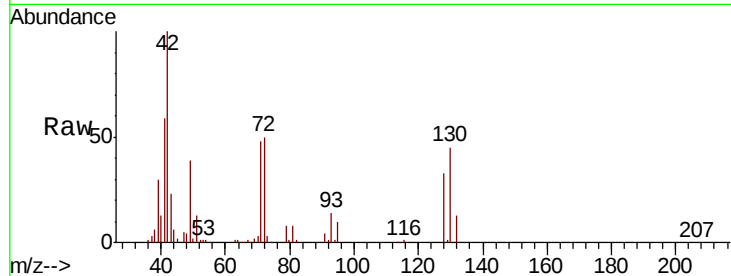
#29
Tetrahydrofuran
Concen: 288.878 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	39.2	58.8
71	46.9	37.6	56.4

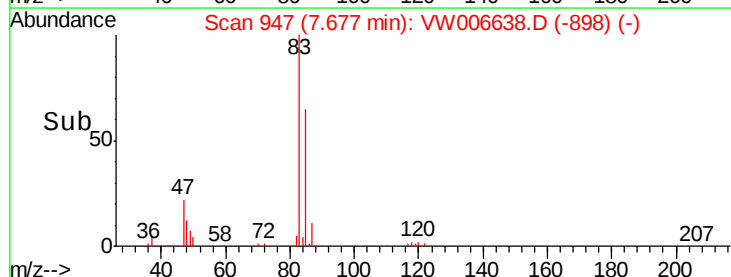
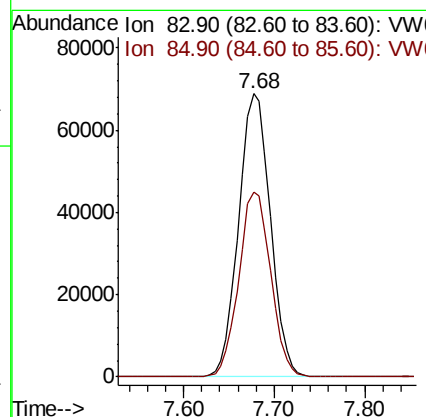
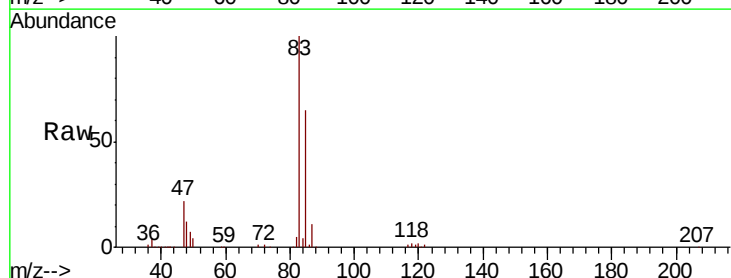
Manual Integrations
APPROVED

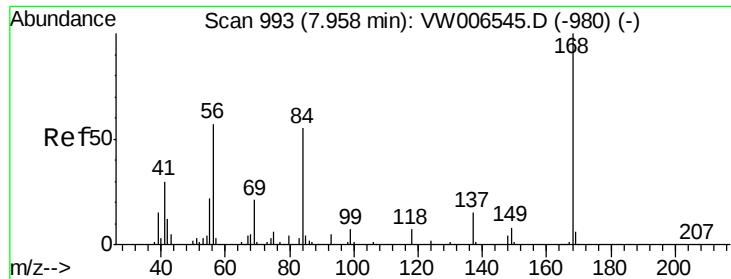
apatel
11/6/2018 8:15:20 AM



#30
Chloroform
Concen: 58.329 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.3	76.9





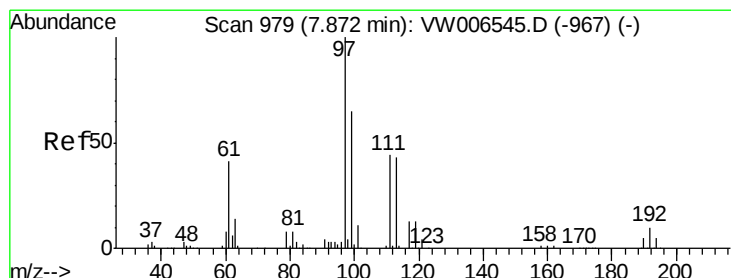
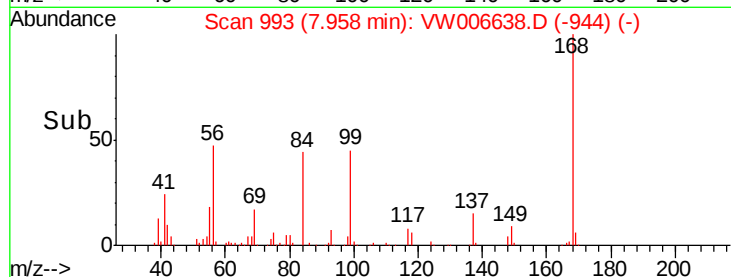
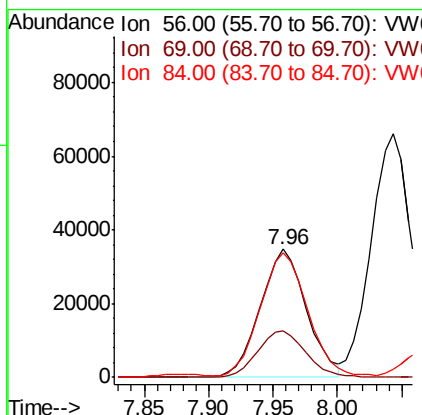
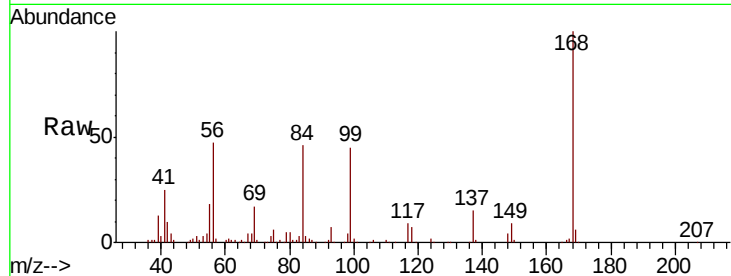
#31
Cyclohexane
Concen: 36.328 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	29.0	43.4
84	95.3	77.8	116.6

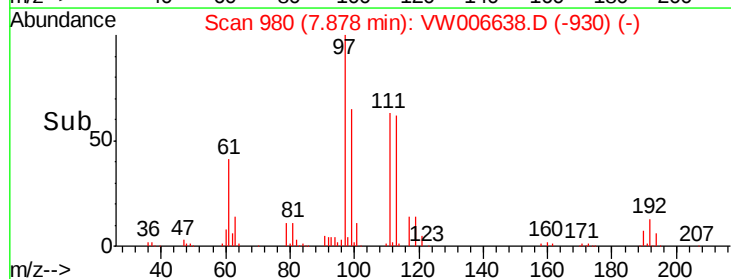
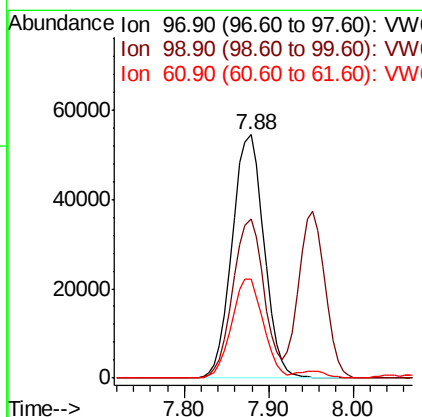
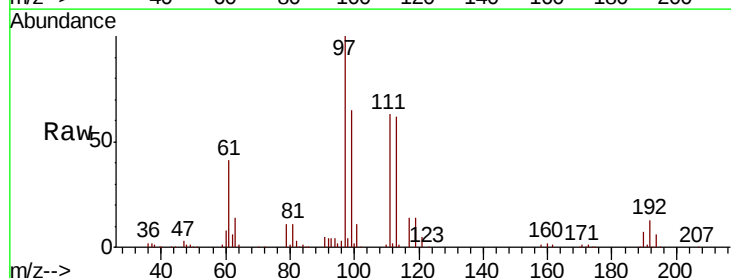
Manual Integrations
APPROVED

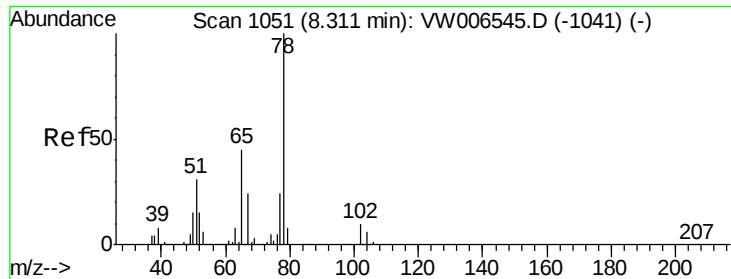
apatel
11/6/2018 8:15:20 AM



#32
1,1,1-Trichloroethane
Concen: 57.297 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.7	77.5
61	40.4	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 57.969 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion: 65 Resp: 86873

Ion Ratio Lower Upper

65 100

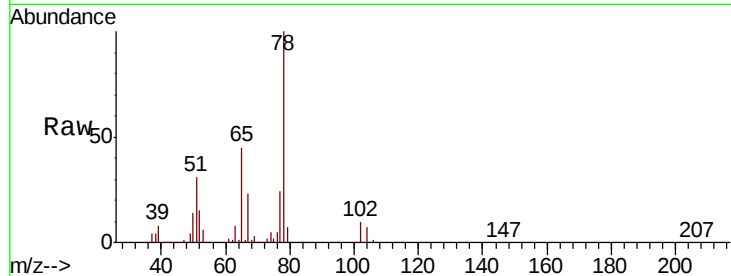
67 52.1 0.0 104.4

Manual Integrations

APPROVED

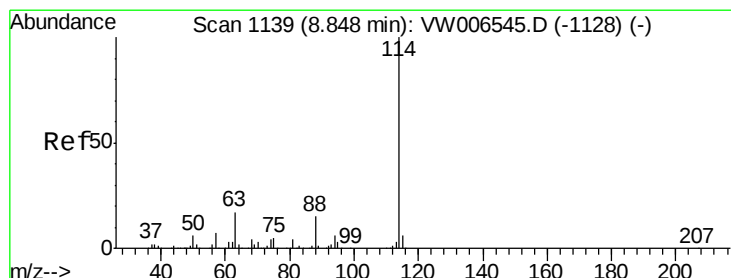
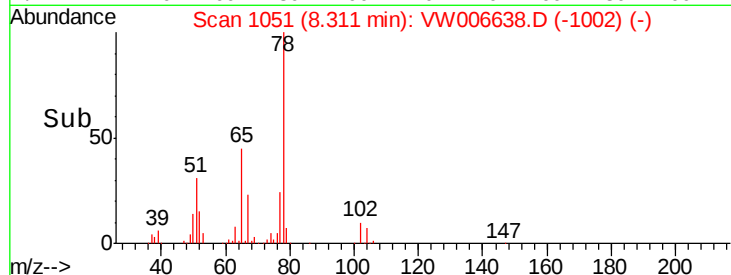
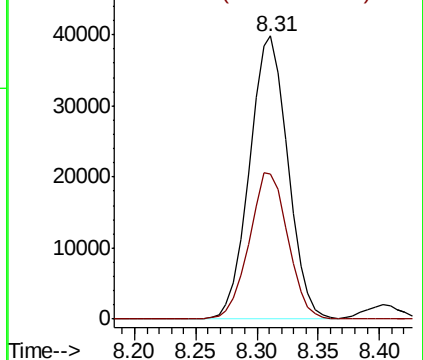
apatel

11/6/2018 8:15:20 AM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

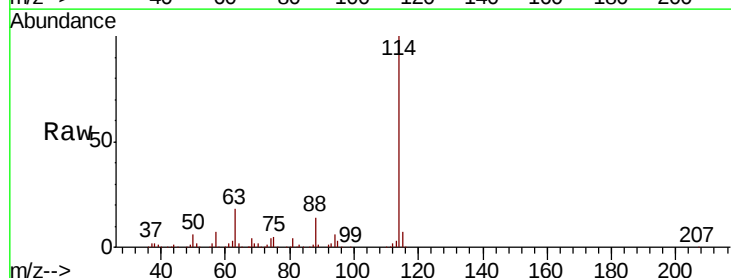
Tgt Ion: 114 Resp: 246438

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

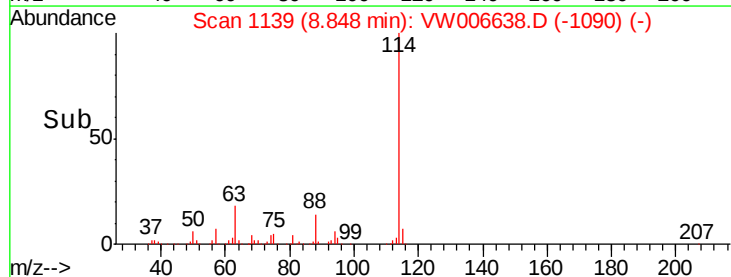
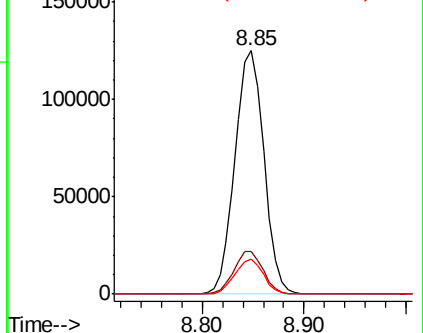
88 14.2 0.0 29.0

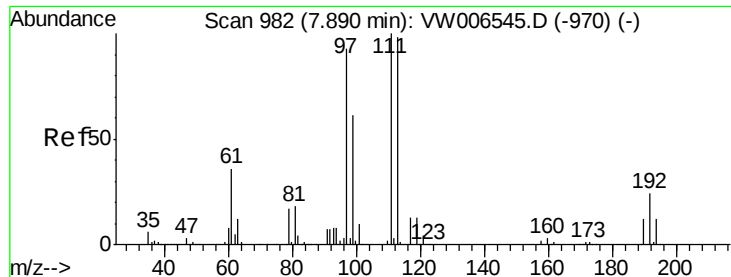


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





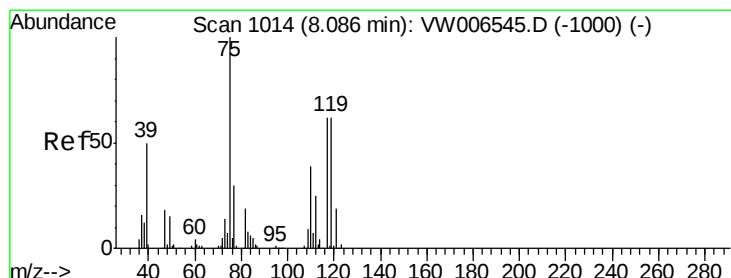
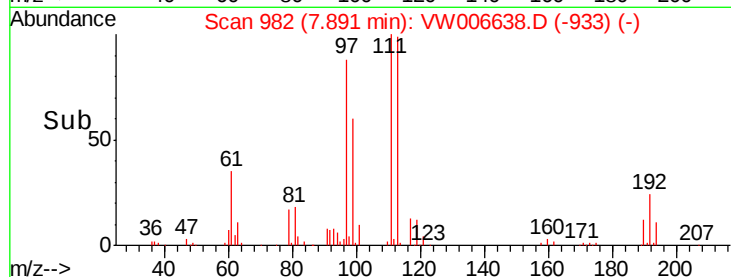
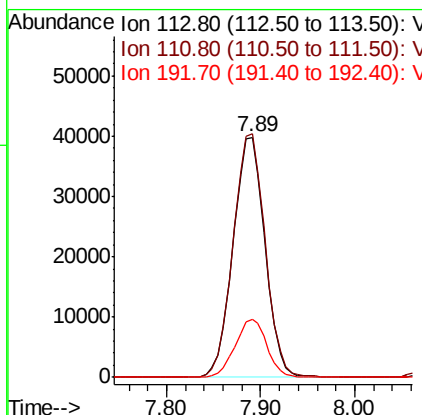
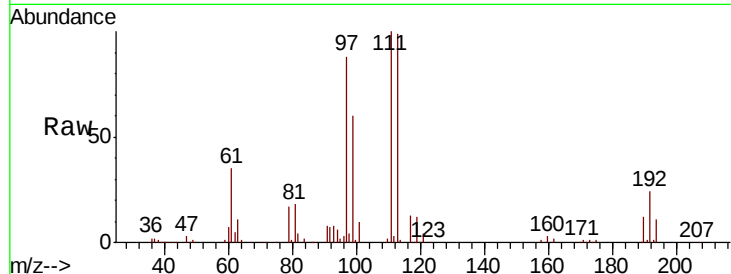
#35
Dibromofluoromethane
Concen: 60.849 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	94108		
111	101.6	82.2	123.2	
192	23.9	19.0	28.6	

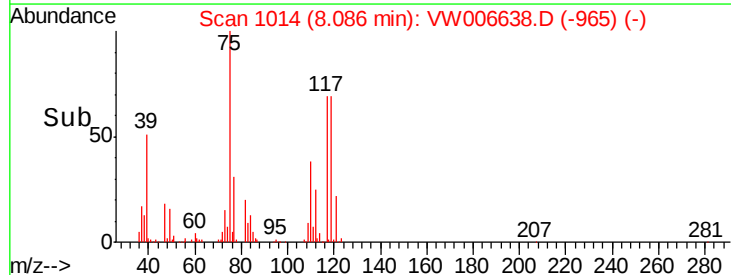
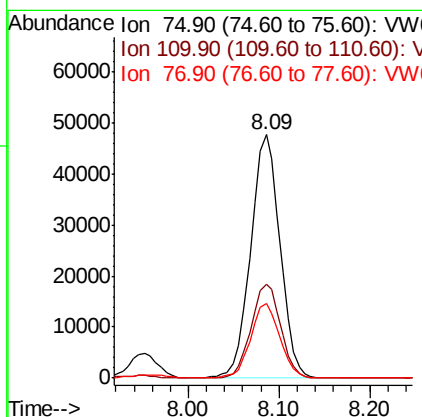
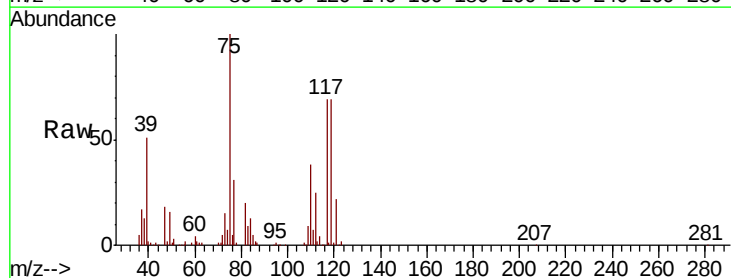
Manual Integrations
APPROVED

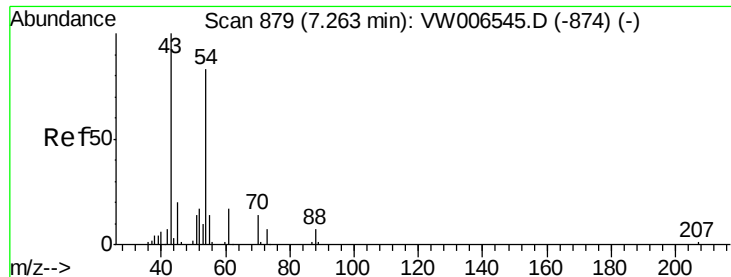
apatel
11/6/2018 8:15:20 AM



#36
1,1-Dichloropropene
Concen: 49.257 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106750		
110	38.7	19.5	58.5	
77	30.7	24.6	37.0	





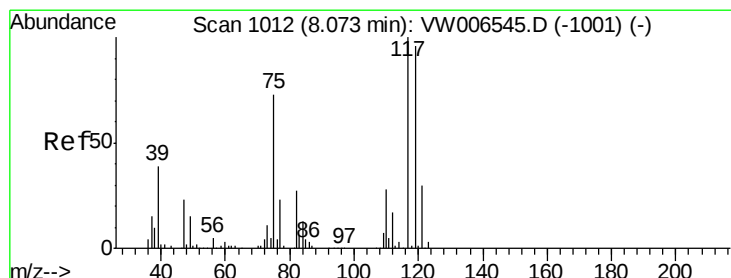
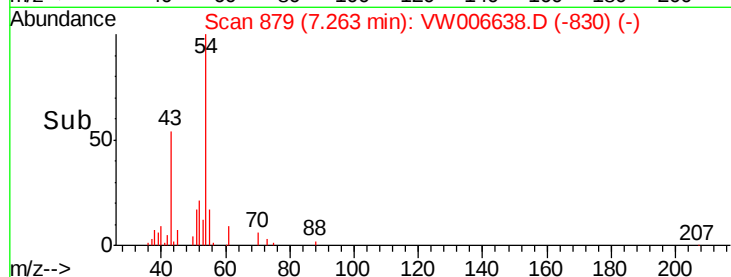
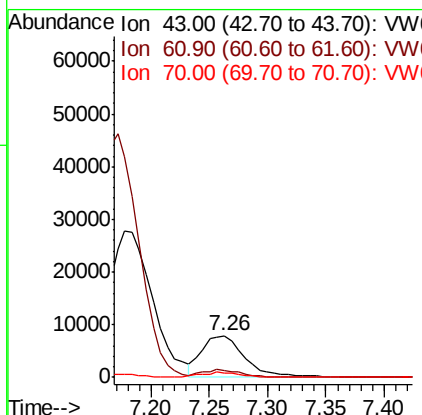
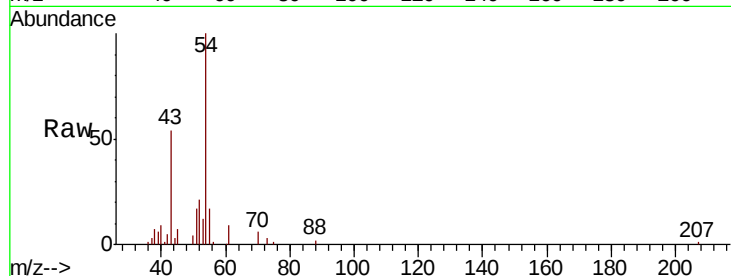
#37
Ethyl Acetate
Concen: 26.329 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	11.6	9.8	14.6

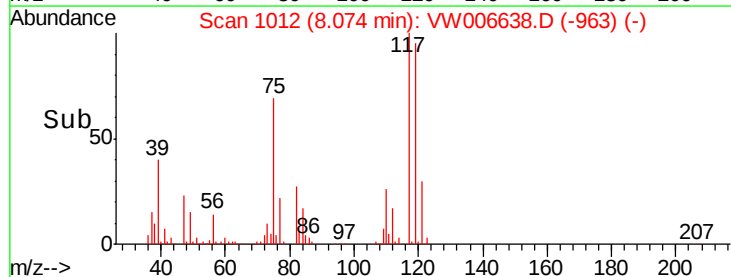
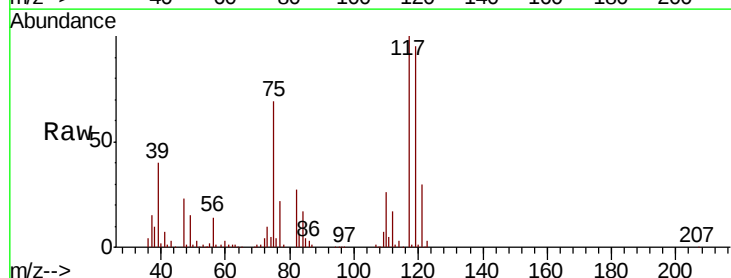
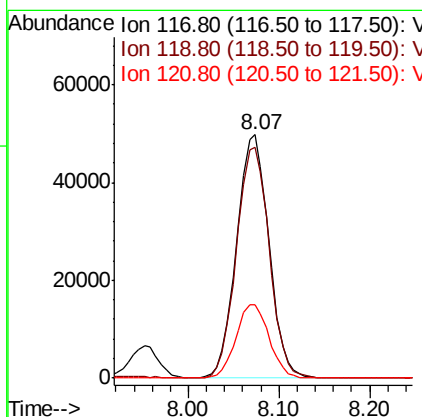
Manual Integrations
APPROVED

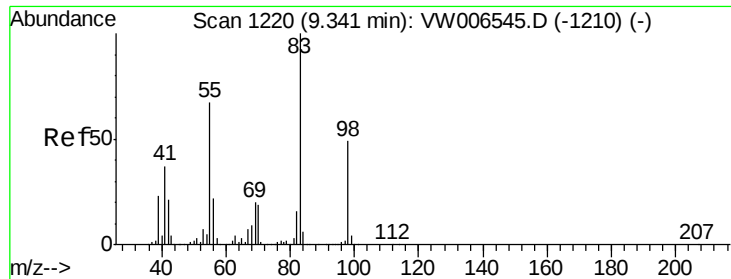
apatel
11/6/2018 8:15:20 AM



#38
Carbon Tetrachloride
Concen: 54.359 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.3	114.5
121	30.1	24.1	36.1





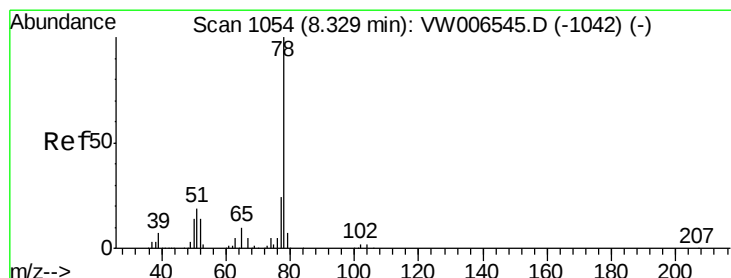
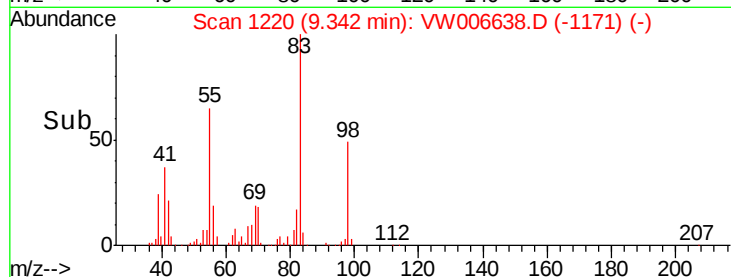
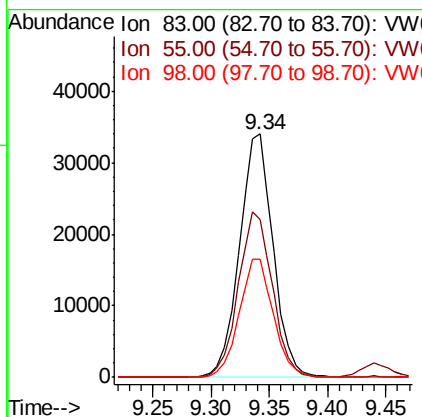
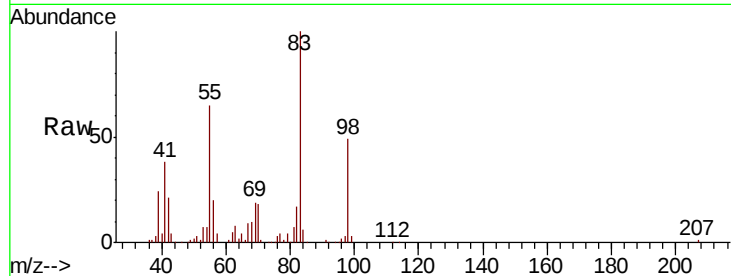
#39
Methvlcvclohexane
Concen: 24.878 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.7	53.7	80.5
98	48.7	39.2	58.8

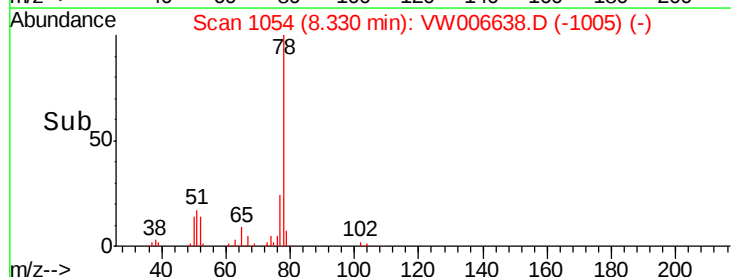
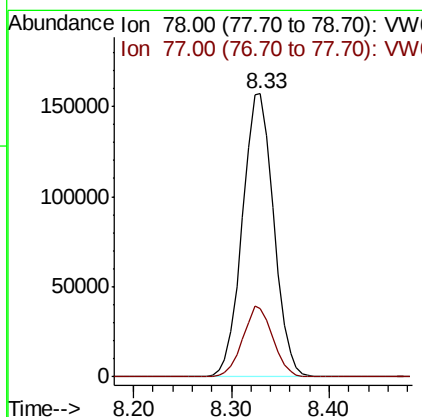
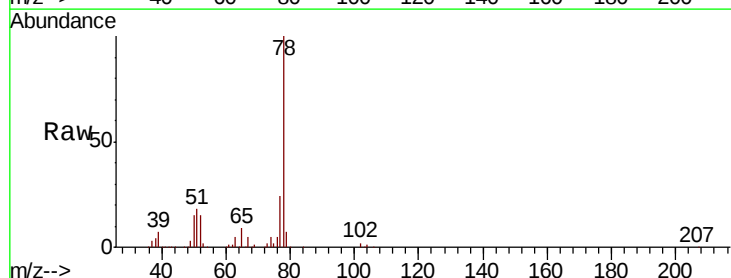
Manual Integrations
APPROVED

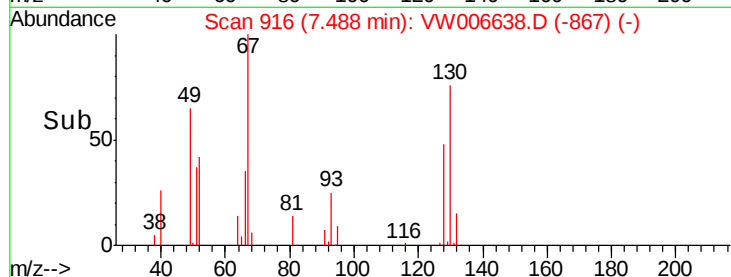
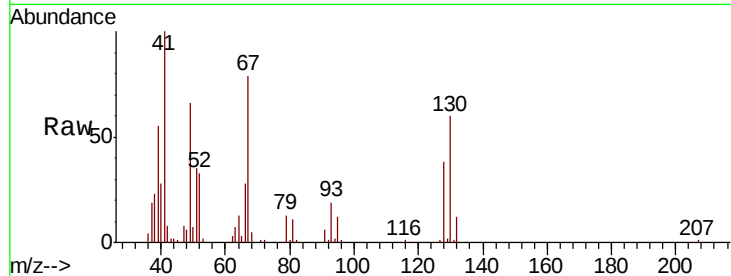
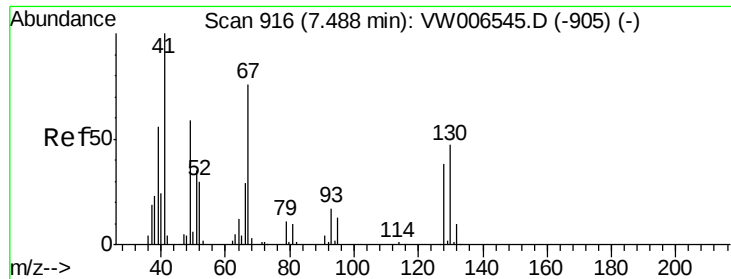
apatel
11/6/2018 8:15:20 AM



#40
Benzene
Concen: 56.711 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





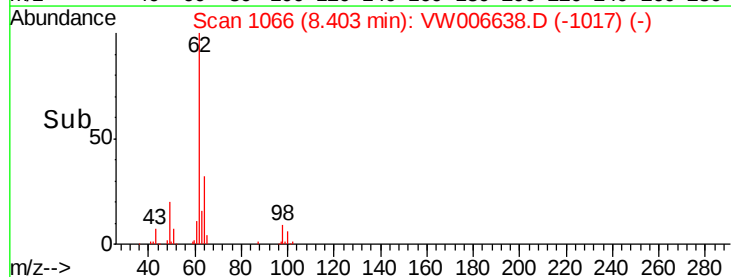
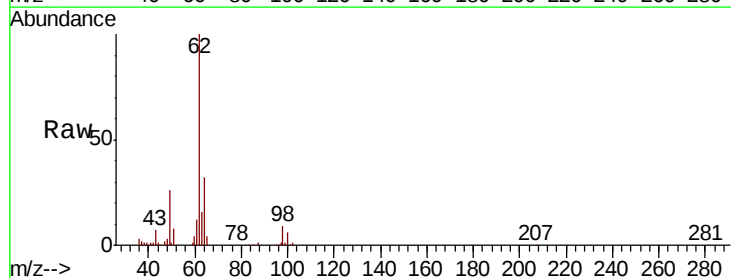
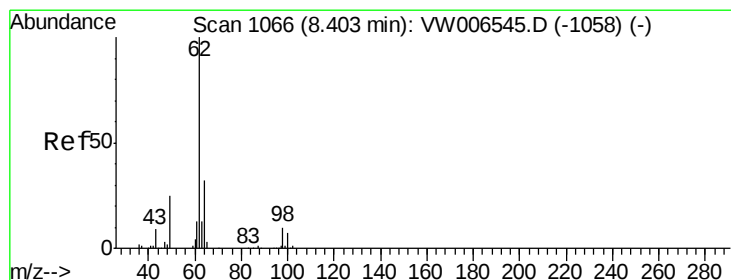
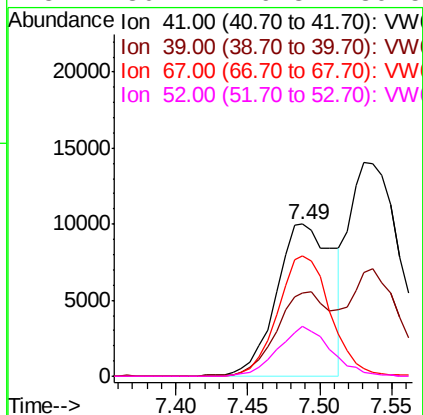
#41
Methacrylonitrile
Concen: 60.010 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tot Ion	41	Resp	27636
Ion	Ratio	Lower	Upper
41	100		
39	48.7	44.5	66.7
67	73.0	63.8	95.8
52	30.1	26.3	39.5

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

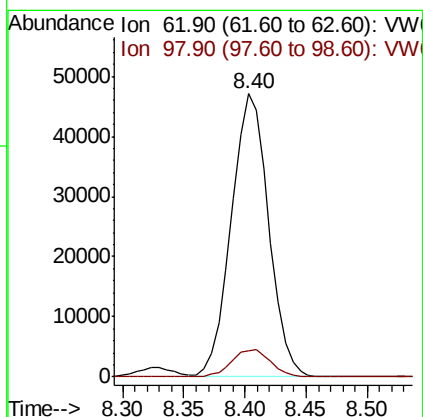
Manual Integrations
APPROVED

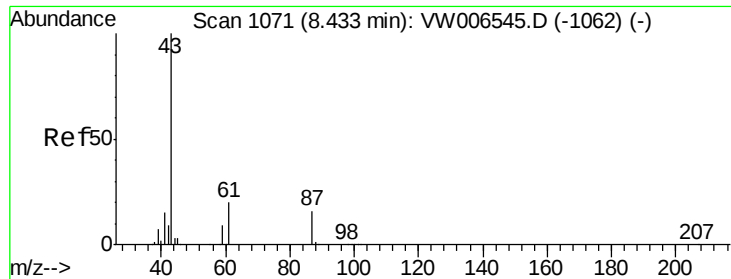
apatel
11/6/2018 8:15:20 AM



#42
1,2-Dichloroethane
Concen: 56.509 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	62	Resp	99758
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





#43

Isopropyl Acetate

Concen: 32.653 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

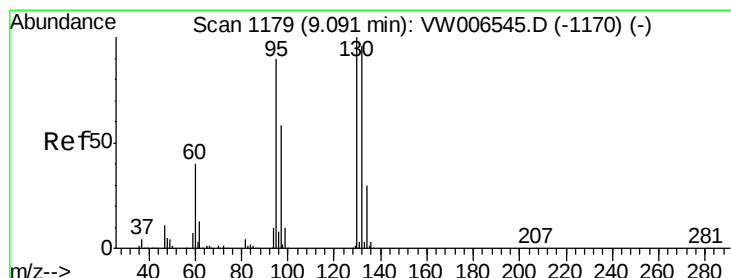
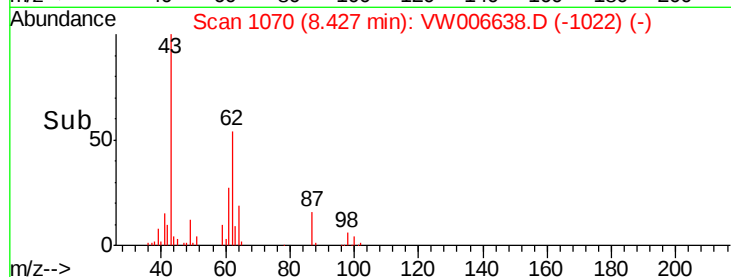
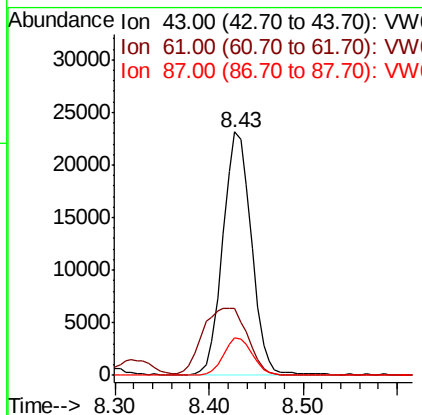
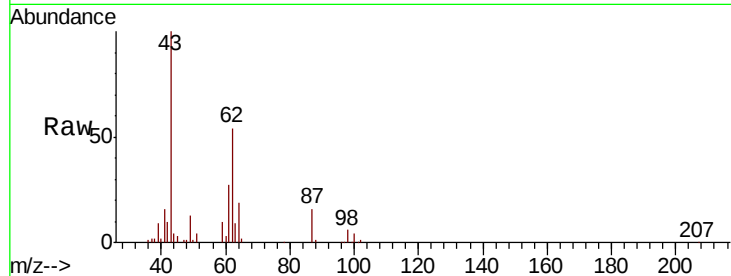
ClientSampleId :

DL-SED-01MS

Tot Ion:	43	Resp:	48935
Ion	Ratio	Lower	Upper
43	100		
61	42.9	27.2	40.8#
87	15.5	12.9	19.3

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#44

Trichloroethene

Concen: 47.551 ug/l

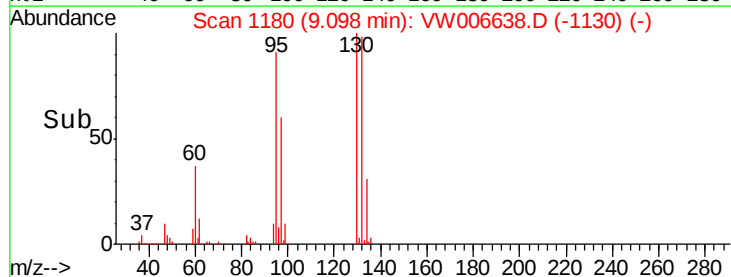
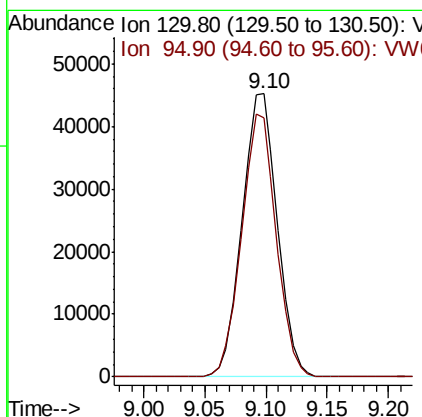
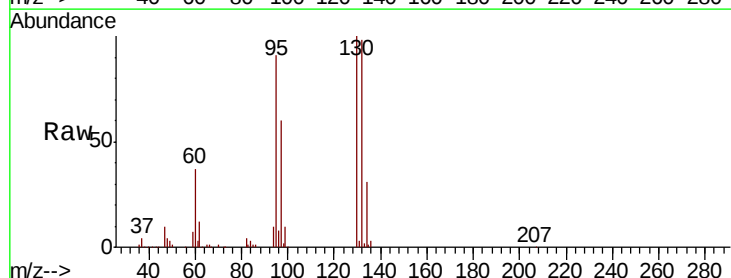
RT: 9.10 min Scan# 1180

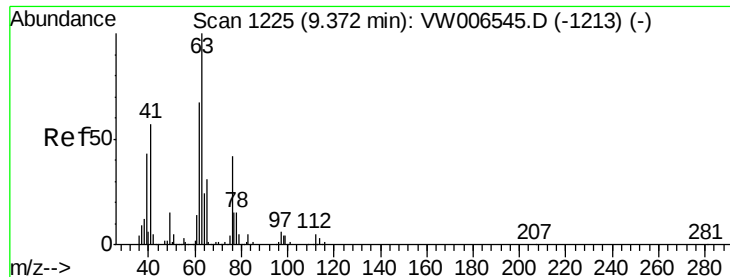
Delta R.T. 0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Tgt Ion:	130	Resp:	90324
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	179.2





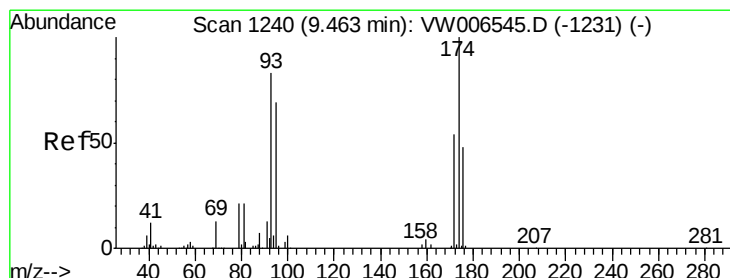
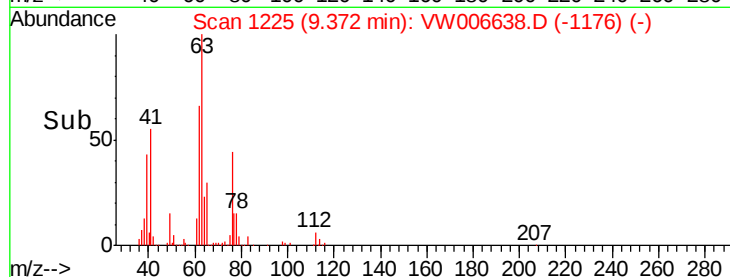
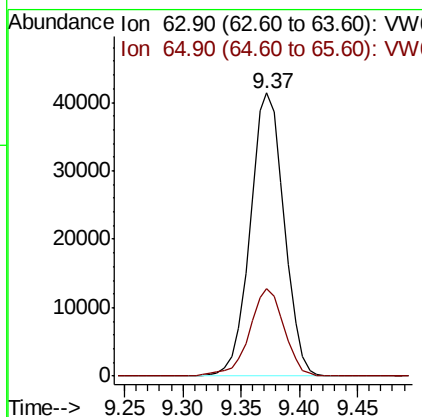
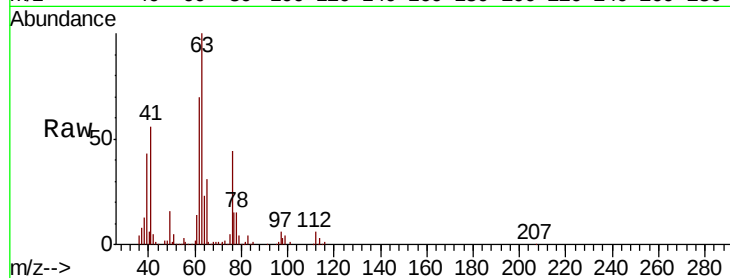
#45
 1,2-Dichloropropane
 Concen: 58.203 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.1	37.7

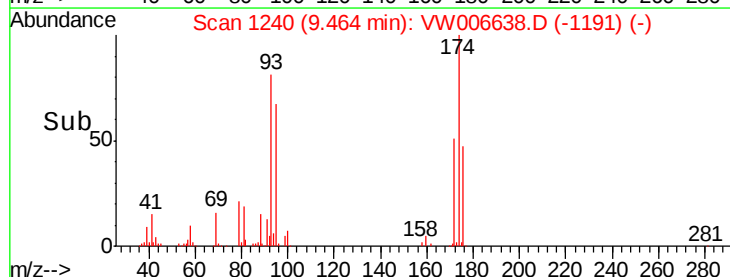
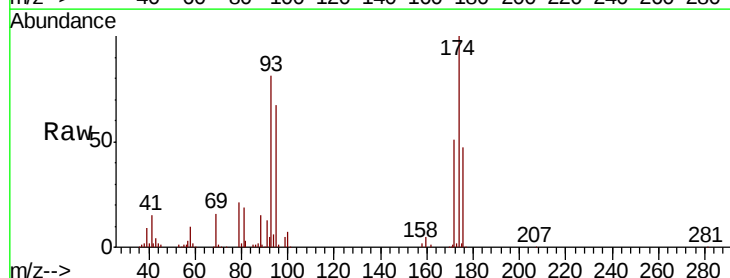
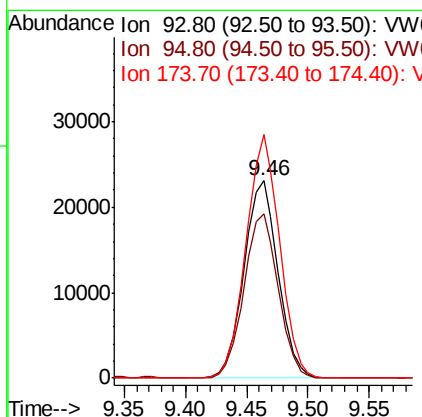
Manual Integrations
 APPROVED

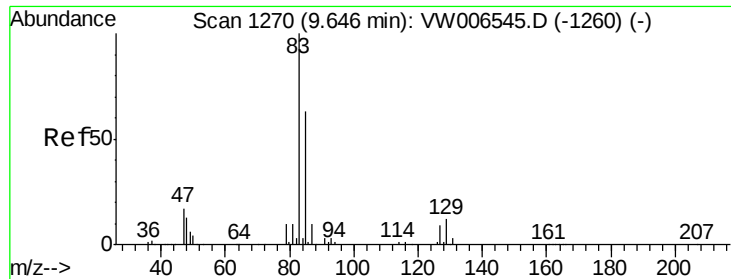
apatel
 11/6/2018 8:15:20 AM



#46
 Dibromomethane
 Concen: 53.128 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.2	100.8
174	121.7	97.3	145.9





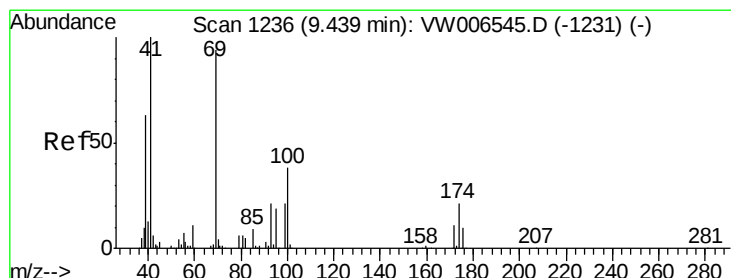
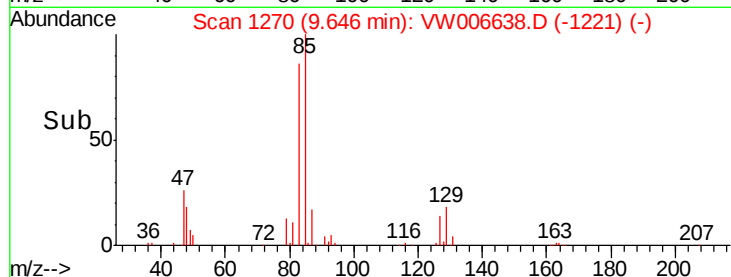
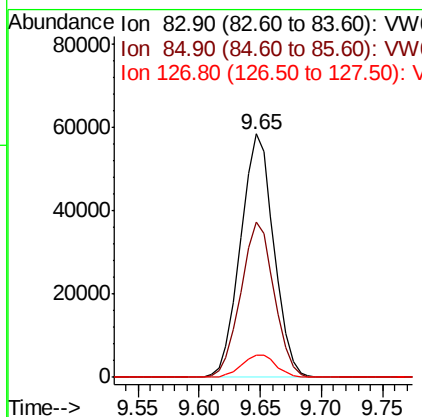
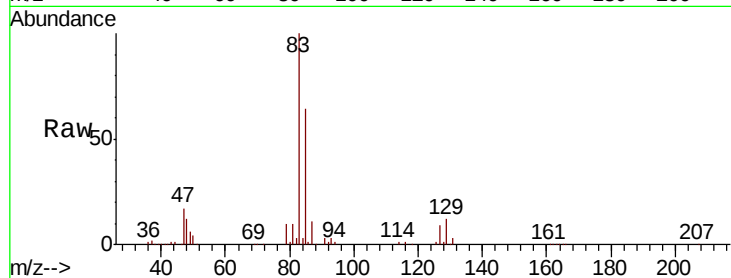
#47
Bromodichloromethane
Concen: 56.278 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.9	50.6	75.8	
127	9.1	7.5	11.3	

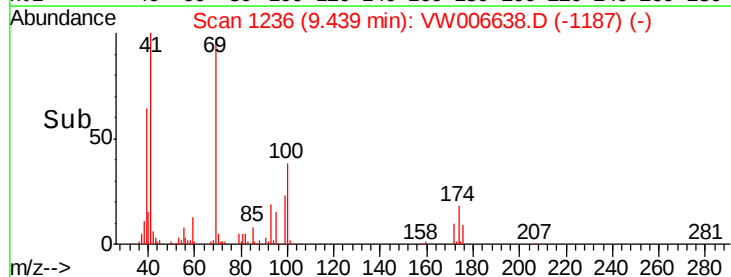
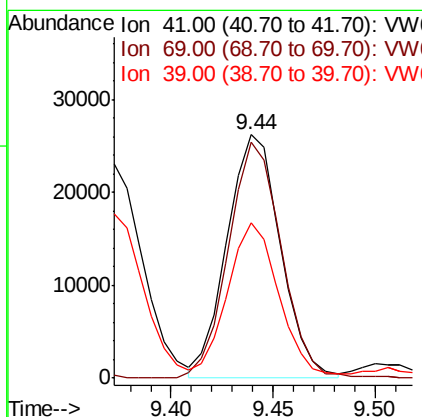
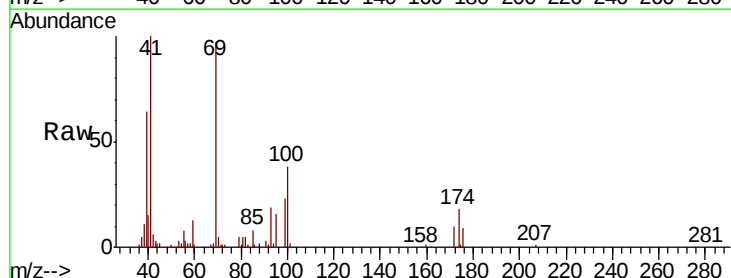
Manual Integrations
APPROVED

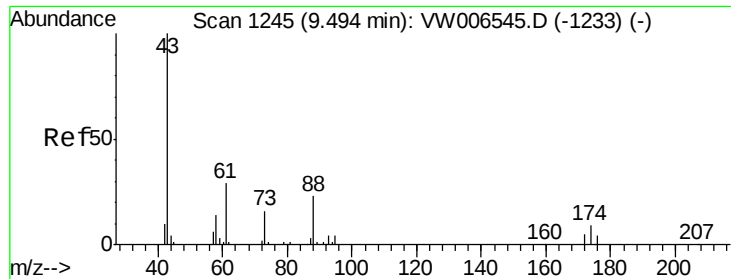
apatel
11/6/2018 8:15:20 AM



#48
Methyl methacrylate
Concen: 66.312 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	95.9	77.8	116.8	
39	61.6	48.7	73.1	





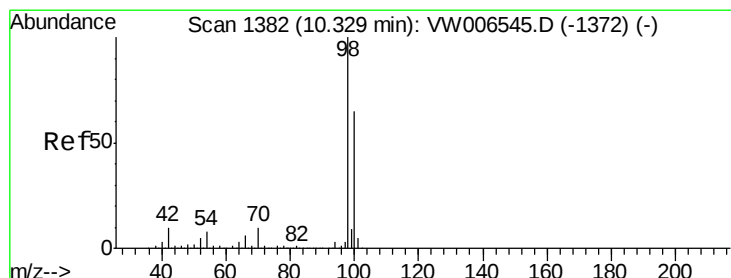
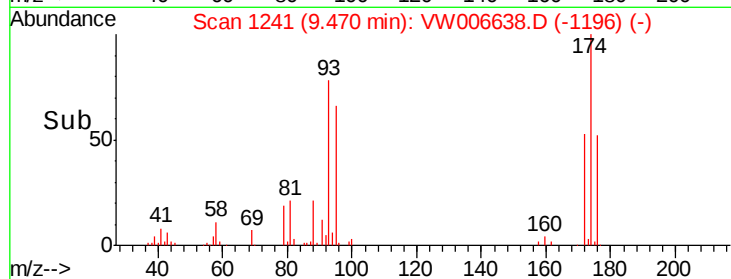
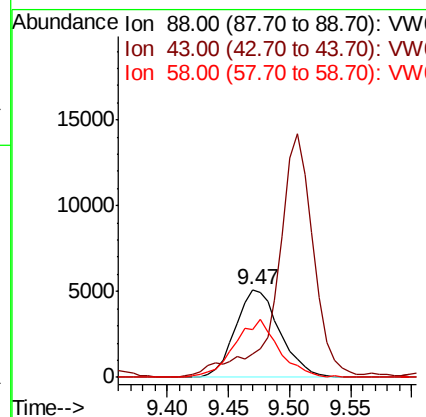
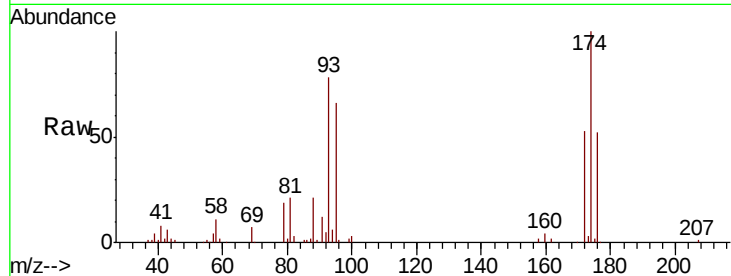
#49
1,4-Dioxane
Concen: 1045.774 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.02 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	88	Resp	12888
Ion Ratio	Lower	Upper	
88	100		
43	0.0	356.6	534.8#
58	65.6	51.4	77.2

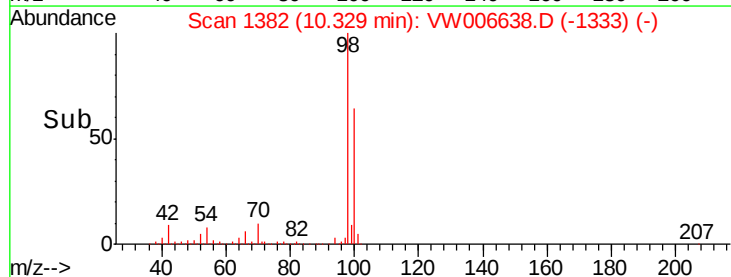
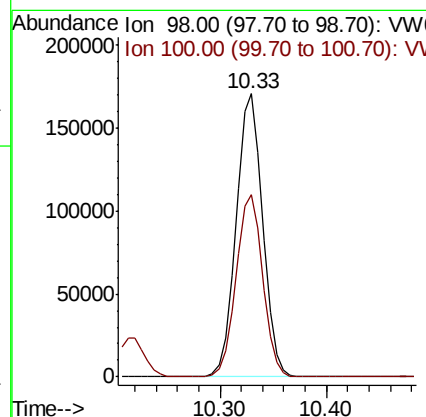
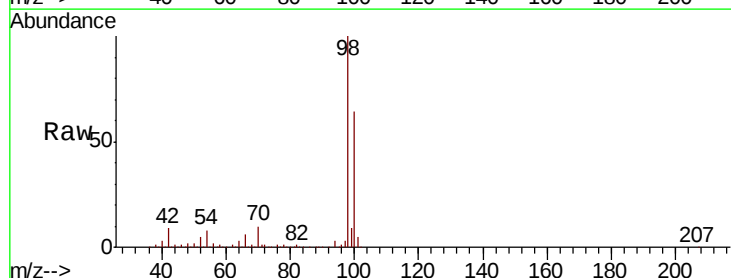
Manual Integrations
APPROVED

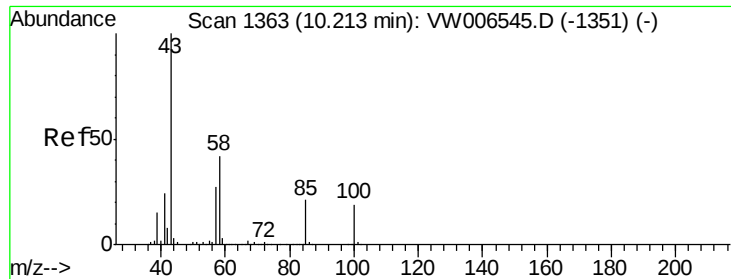
apatel
11/6/2018 8:15:20 AM



#50
Toluene-d8
Concen: 50.623 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	98	Resp	298050
Ion Ratio	Lower	Upper	
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 289.014 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

DL-SED-01MS

Tot Ion: 43 Resp: 222449

Ion Ratio Lower Upper

43 100

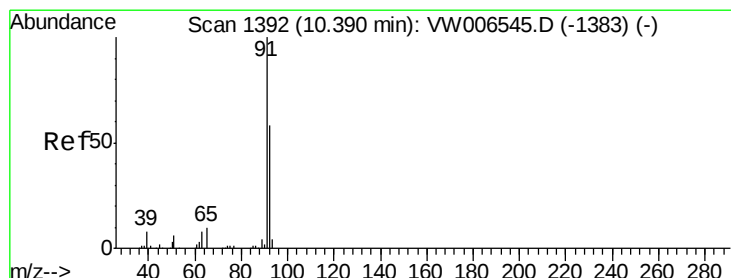
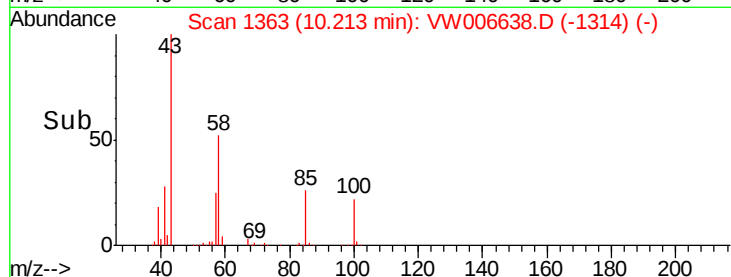
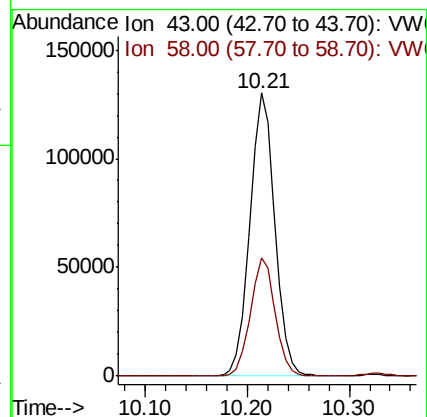
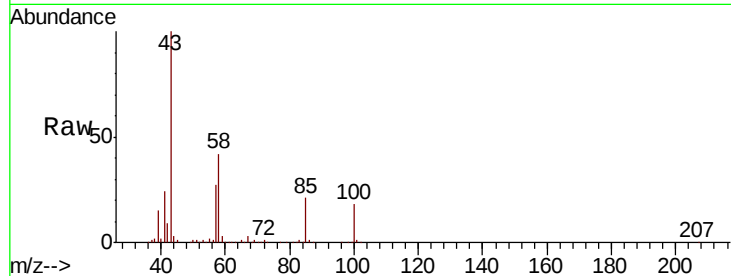
58 41.4 33.4 50.0

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#52

Toluene

Concen: 47.470 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006638.D

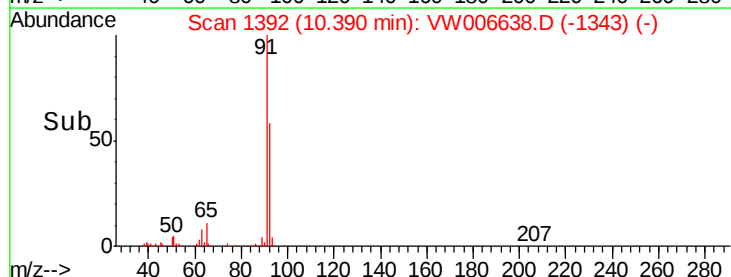
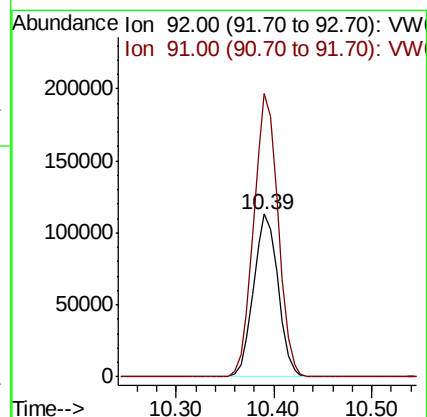
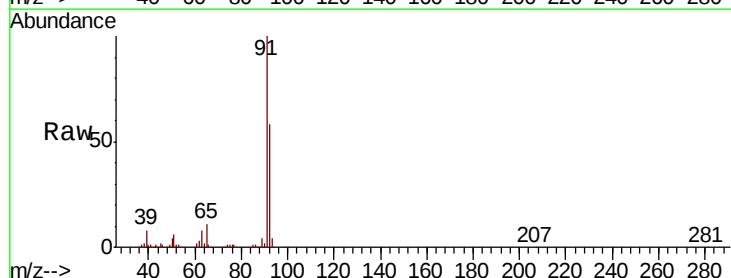
Acq: 05 Nov 2018 16:06

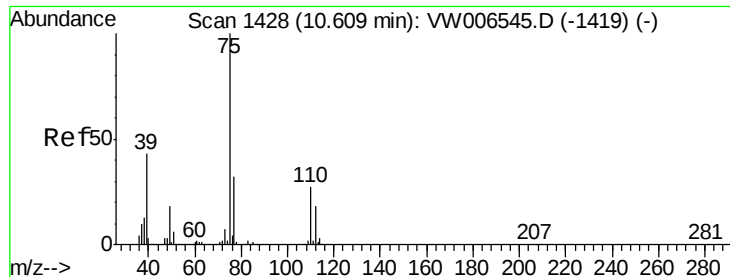
Tgt Ion: 92 Resp: 195988

Ion Ratio Lower Upper

92 100

91 173.3 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 46.569 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion: 75 Resp: 87632

Ion Ratio Lower Upper

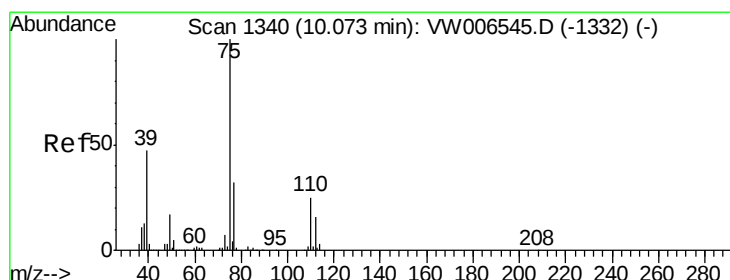
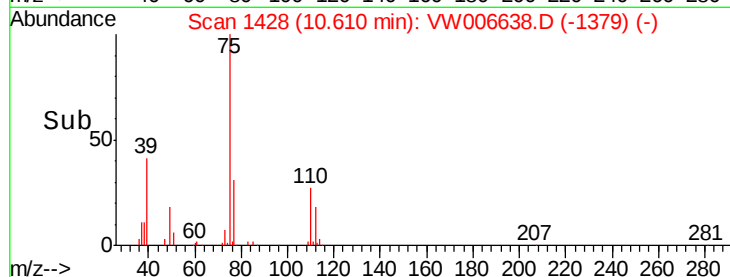
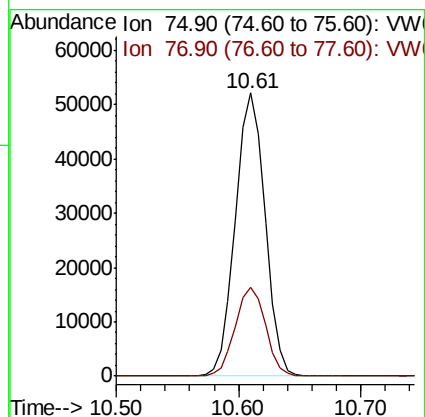
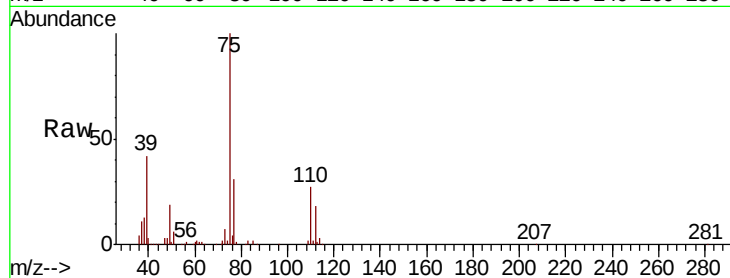
75 100

77 31.2 25.6 38.4

Manual Integrations
APPROVED

apatel

11/6/2018 8:15:20 AM



#54

cis-1,3-Dichloropropene

Concen: 48.543 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

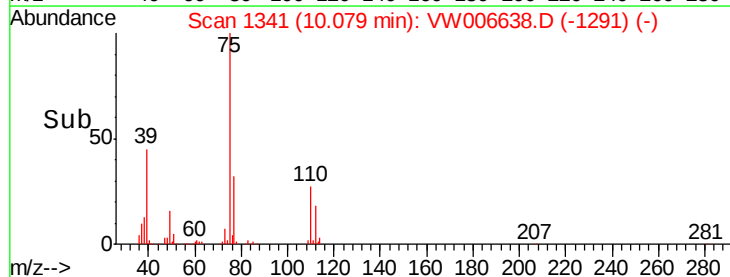
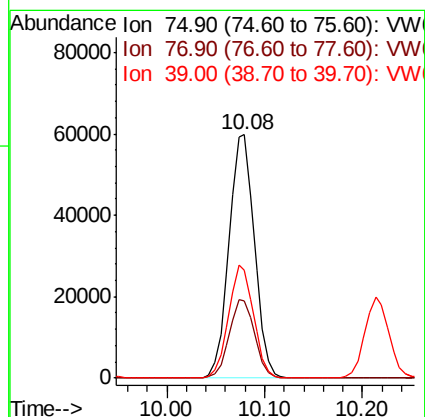
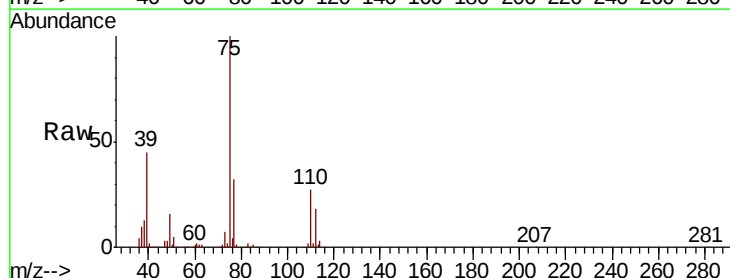
Tgt Ion: 75 Resp: 107946

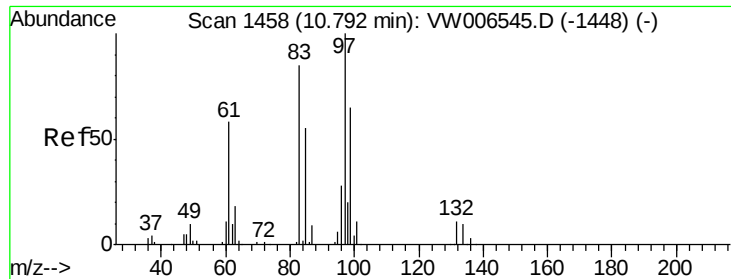
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 44.5 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 52.870 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

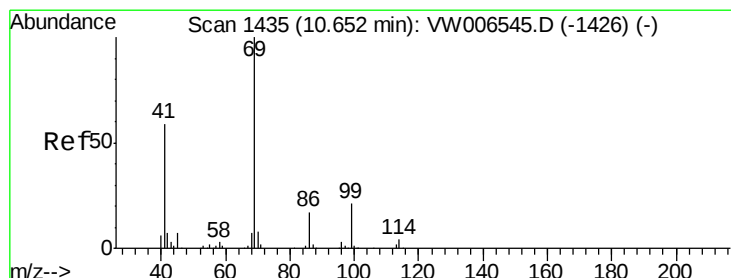
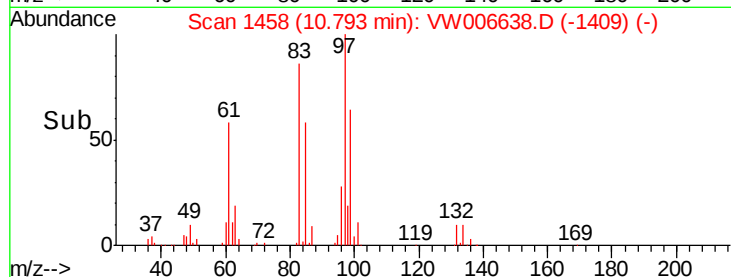
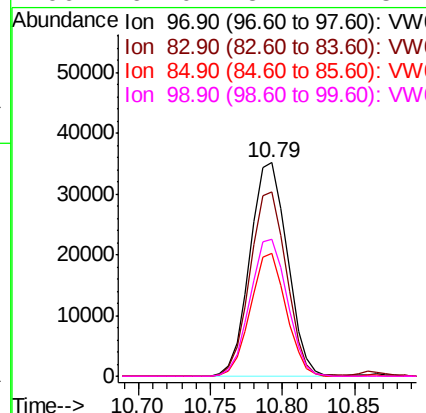
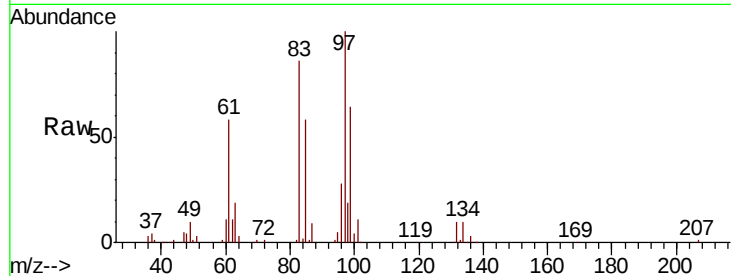
ClientSampleId :

DL-SED-01MS

Tot Ion:	97	Resp:	63169
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.9	101.9
85	57.8	44.0	66.0
99	64.0	52.2	78.2

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#56

Ethyl methacrylate

Concen: 29.410 ug/l

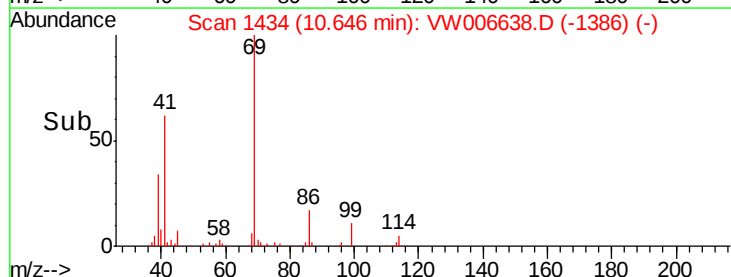
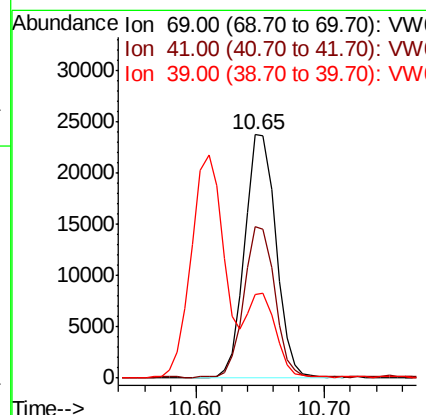
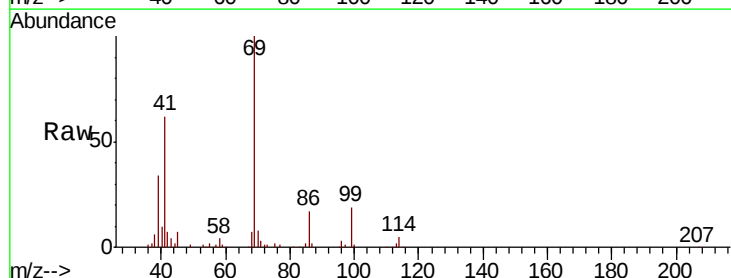
RT: 10.65 min Scan# 1434

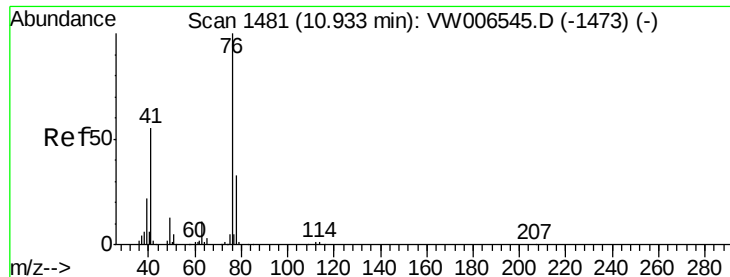
Delta R.T. -0.01 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Tgt Ion:	69	Resp:	39939
Ion	Ratio	Lower	Upper
69	100		
41	61.1	47.4	71.2
39	31.1	25.3	37.9





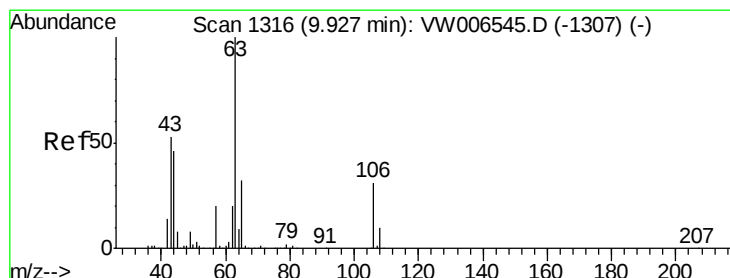
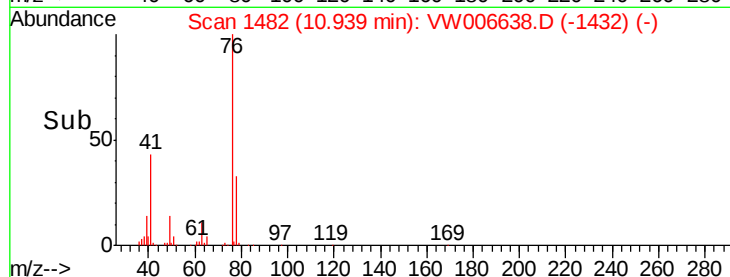
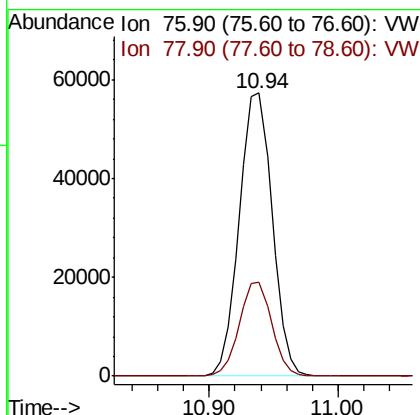
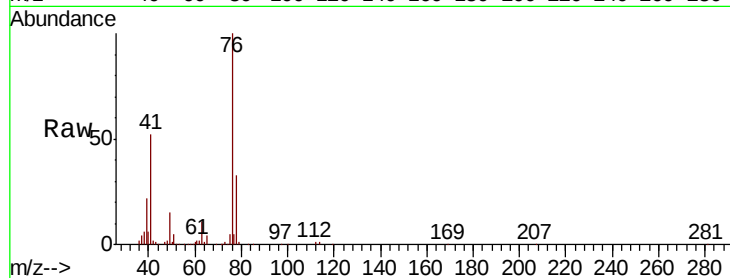
#57
 1,3-Dichloropropane
 Concen: 52.393 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

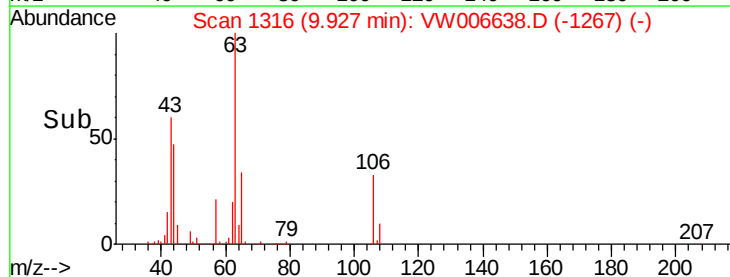
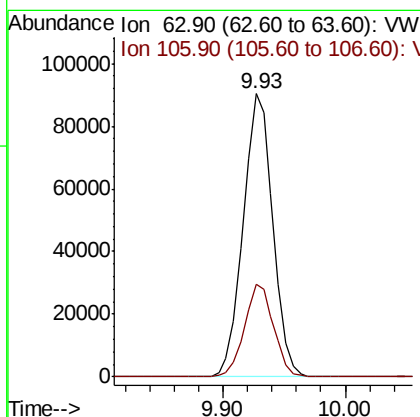
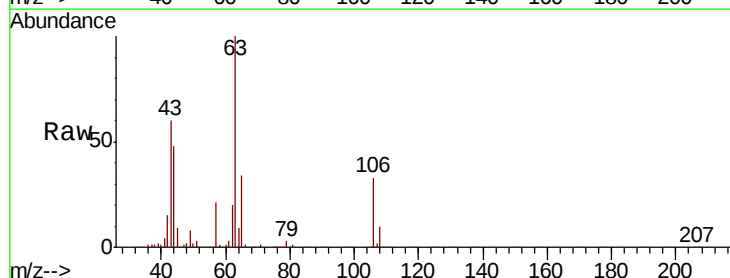
Manual Integrations
 APPROVED

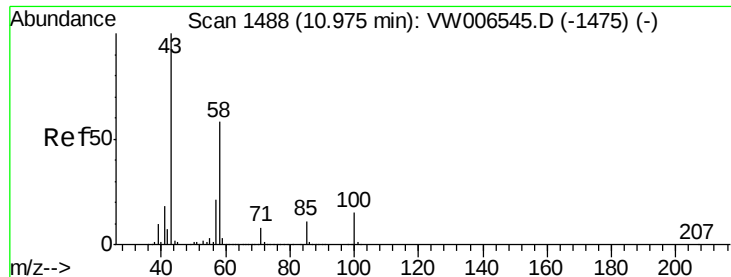
apatel
 11/6/2018 8:15:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.827 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.2	25.4	38.2





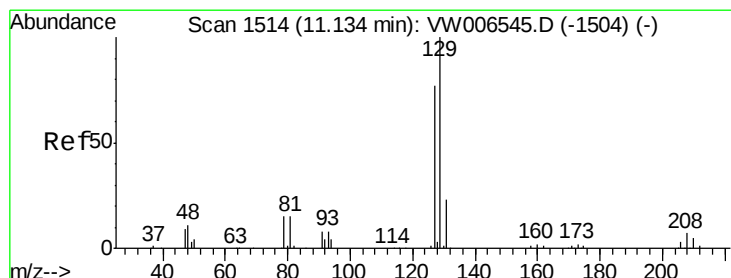
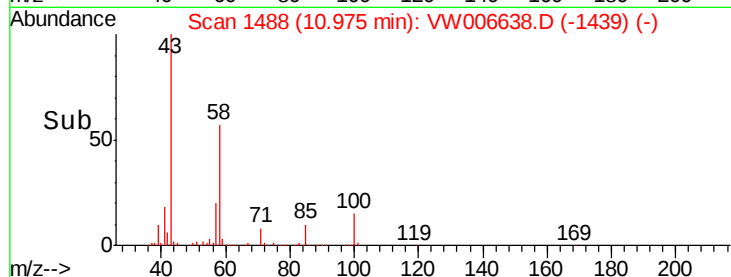
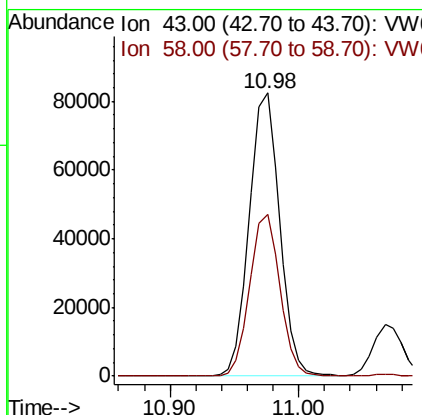
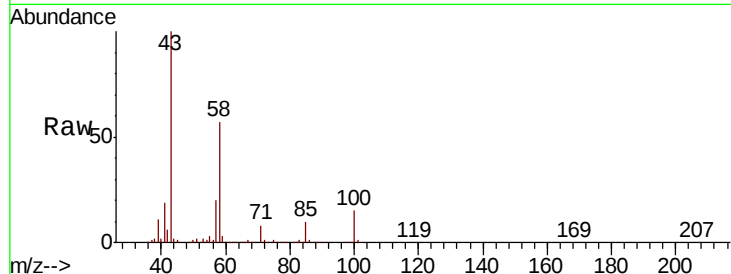
#59
2-Hexanone
Concen: 256.759 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	43	Resp	134224
Ion Ratio	43	100	
Lower	58	56.9	28.8
Upper			86.4

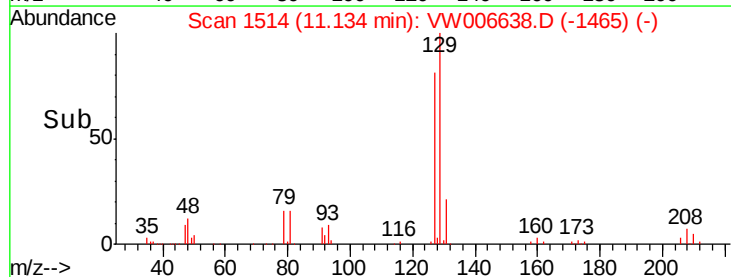
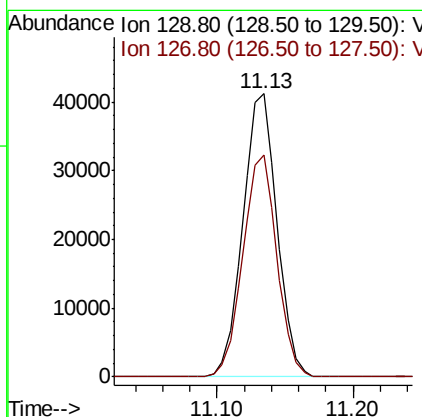
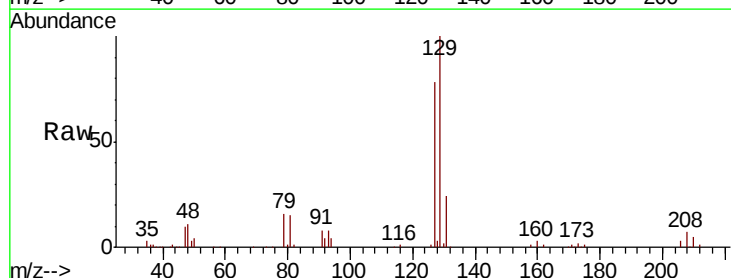
Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#60
Dibromochloromethane
Concen: 51.110 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	129	Resp	72352
Ion Ratio	129	100	
Lower	127	78.0	38.8
Upper			116.3





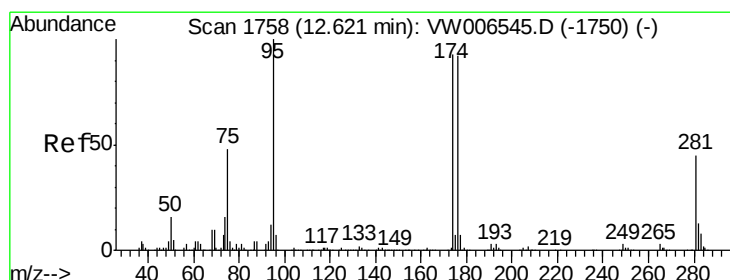
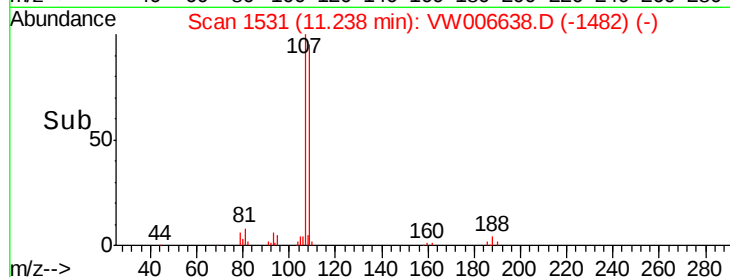
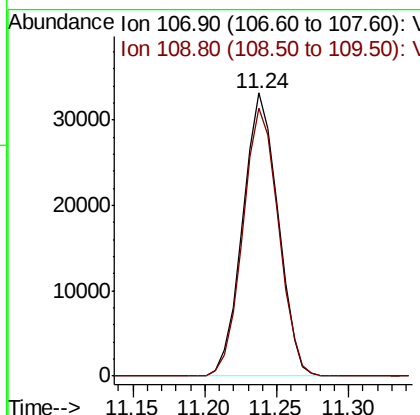
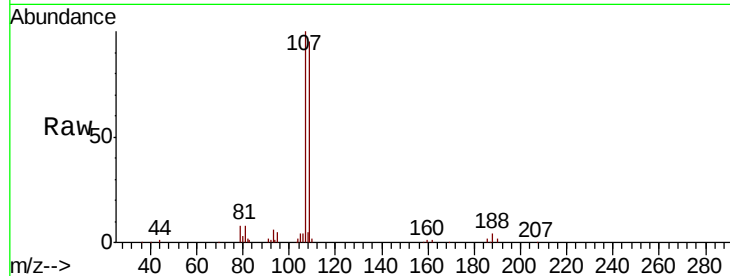
#61
 1,2-Dibromoethane
 Concen: 47.578 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.8	113.6

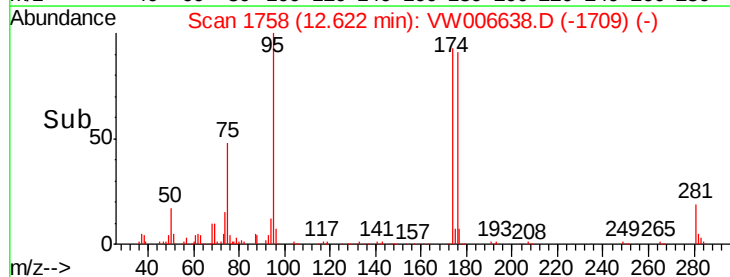
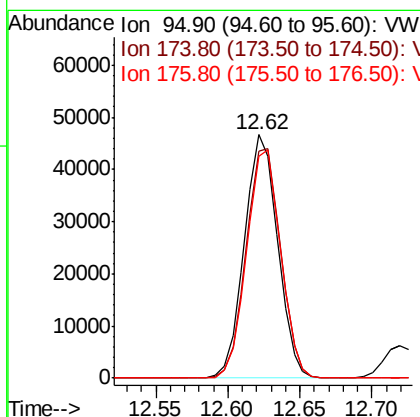
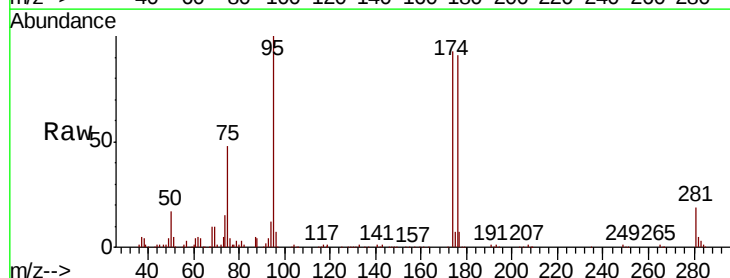
Manual Integrations
 APPROVED

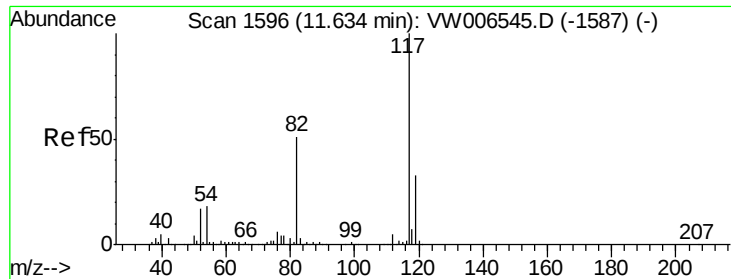
apatel
 11/6/2018 8:15:20 AM



#62
 4-Bromofluorobenzene
 Concen: 34.964 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	192.4
176	95.3	0.0	187.4





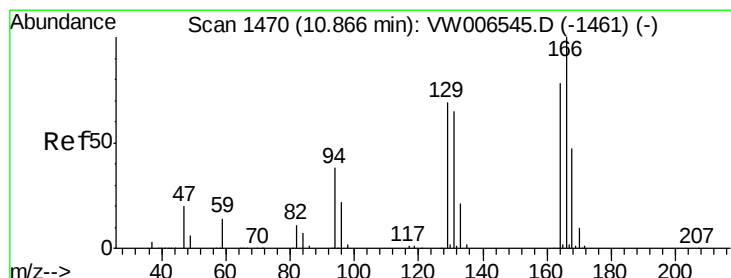
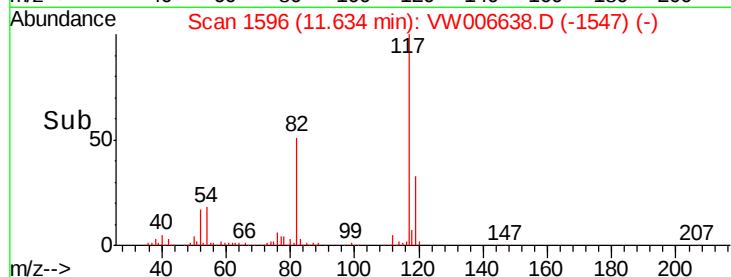
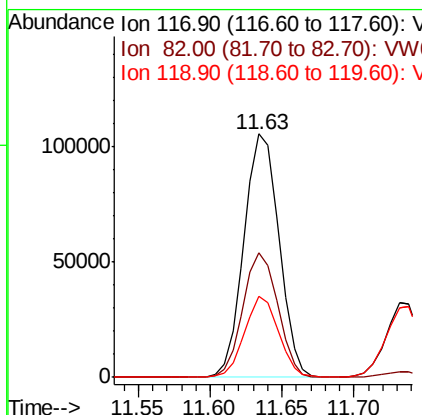
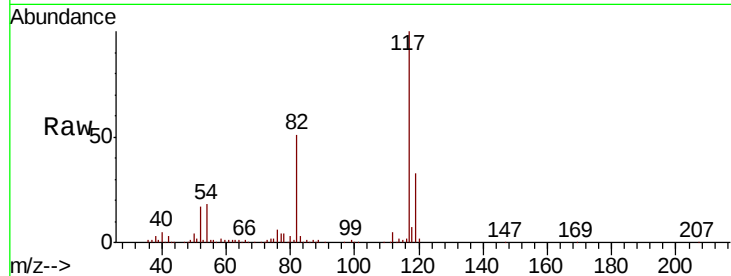
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.8	61.2
119	33.2	26.1	39.1

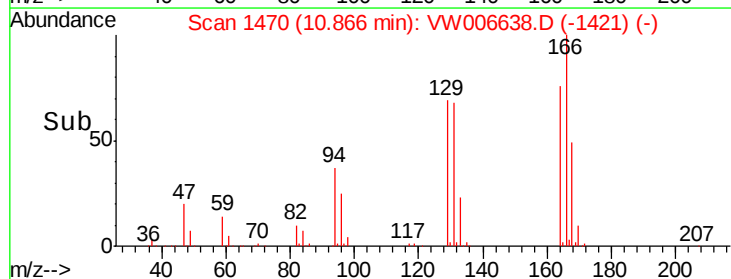
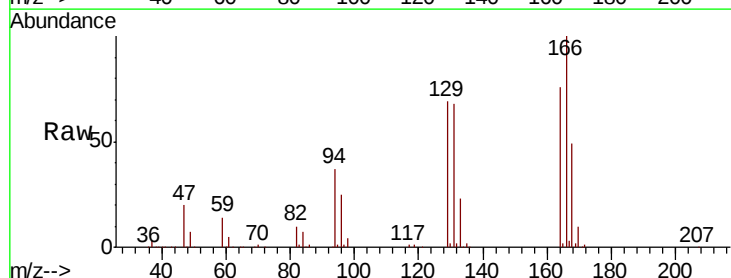
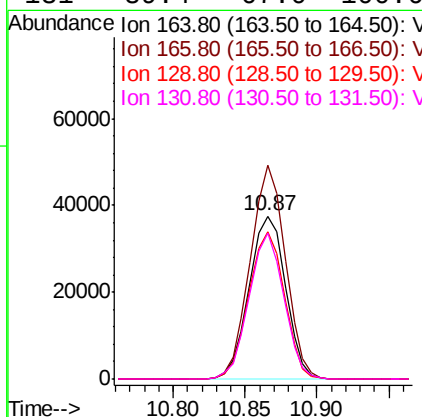
Manual Integrations
APPROVED

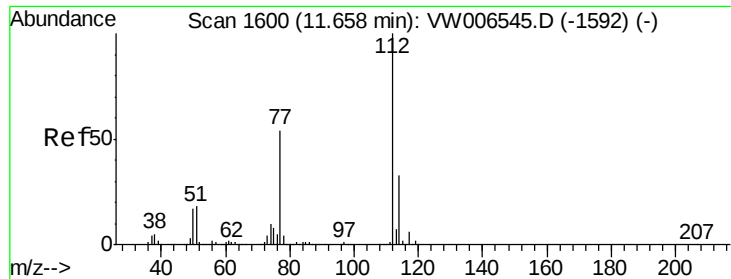
apatel
11/6/2018 8:15:20 AM



#64
Tetrachloroethene
Concen: 46.274 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	102.8	154.2
129	90.7	70.9	106.3
131	89.4	67.0	100.6





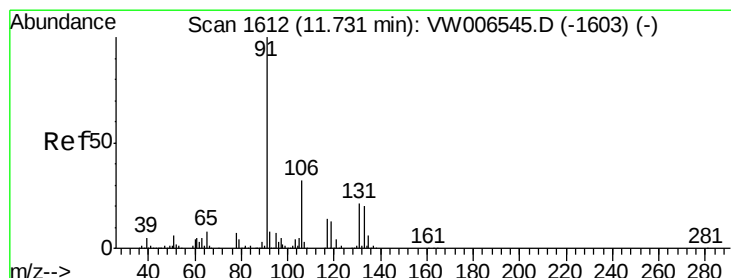
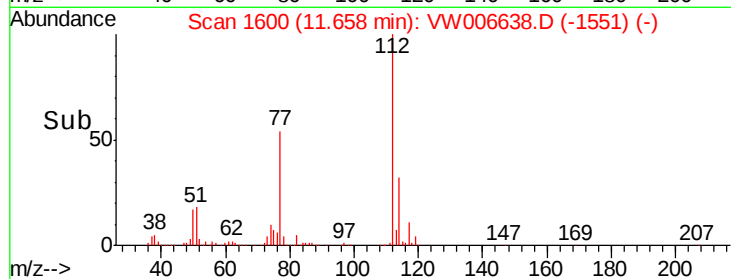
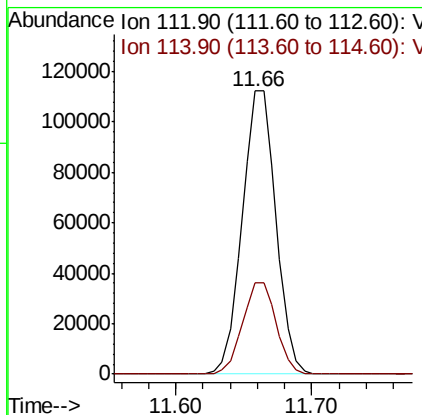
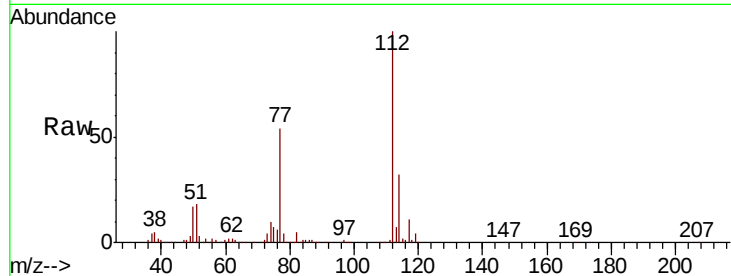
#65
Chlorobenzene
Concen: 51.950 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.2	39.2

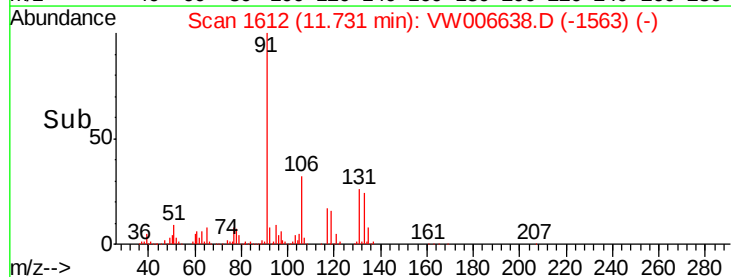
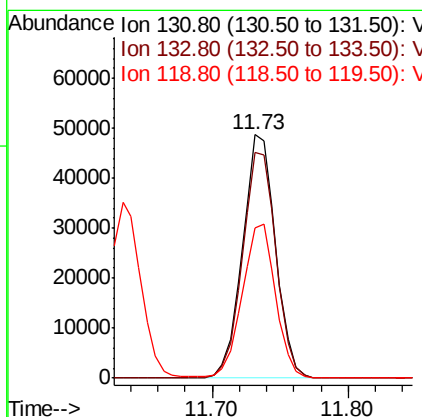
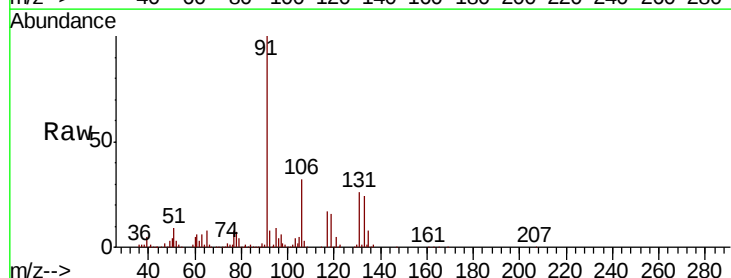
Manual Integrations
APPROVED

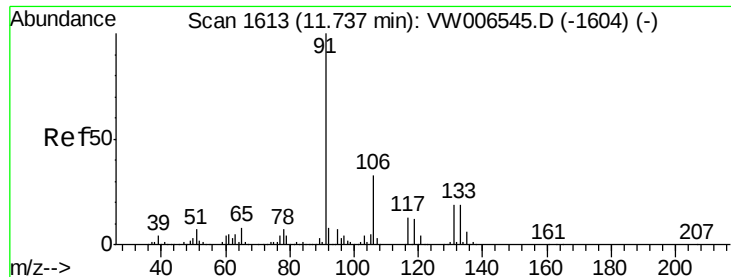
apatel
11/6/2018 8:15:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 62.472 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.5	142.5
119	63.7	31.9	95.5





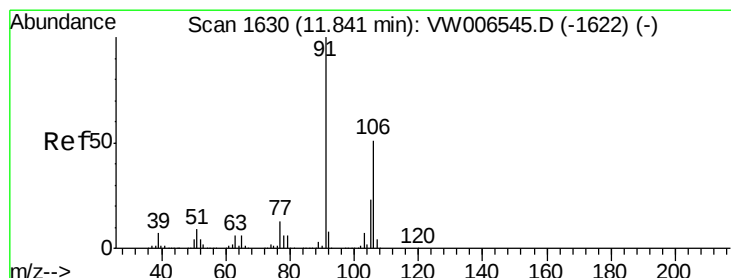
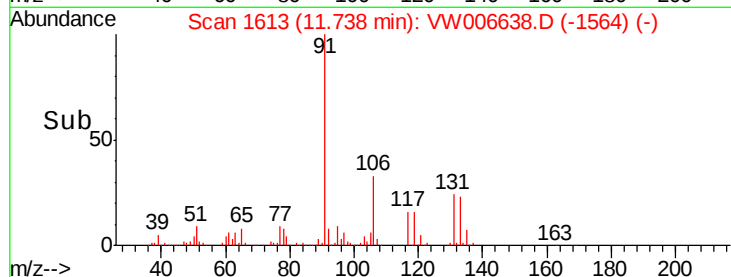
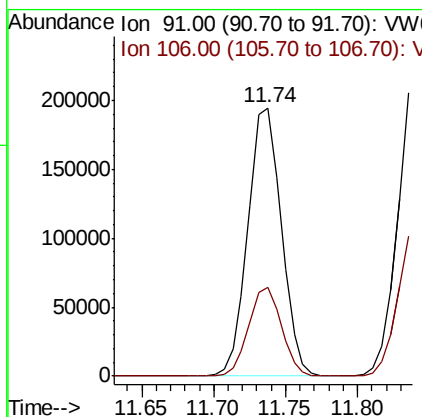
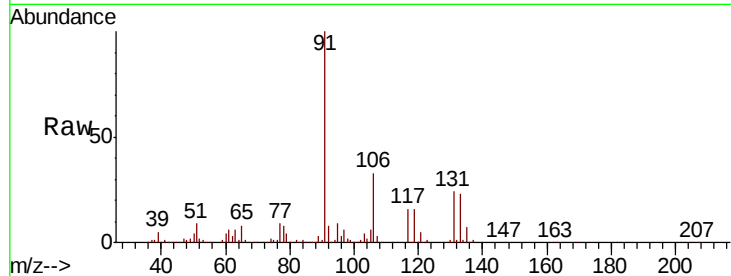
#67
Ethyl Benzene
Concen: 49.881 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion: 91 Resp: 312664
Ion Ratio Lower Upper
91 100
106 33.0 26.3 39.5

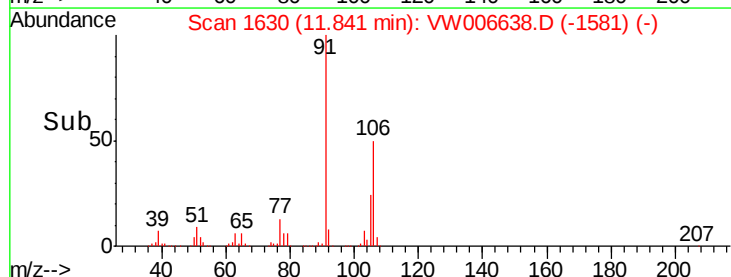
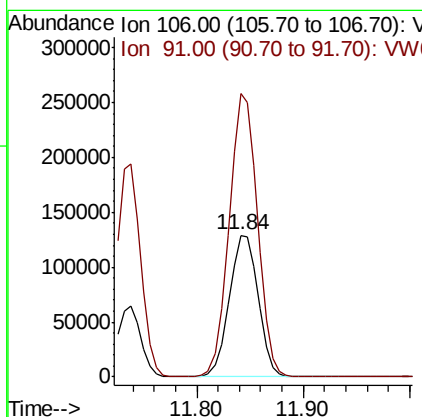
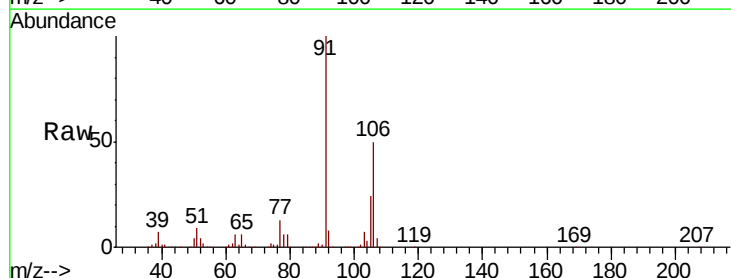
Manual Integrations
APPROVED

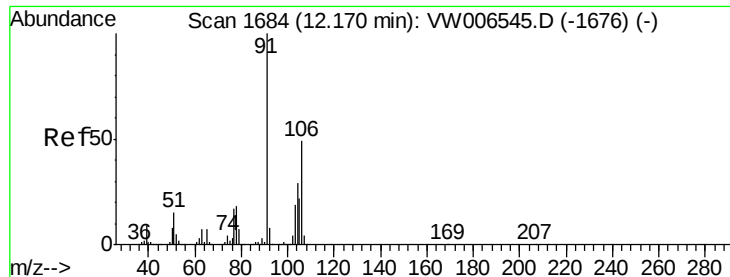
apatel
11/6/2018 8:15:20 AM



#68
m/p-Xylenes
Concen: 98.017 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion: 106 Resp: 245463
Ion Ratio Lower Upper
106 100
91 195.8 156.7 235.1





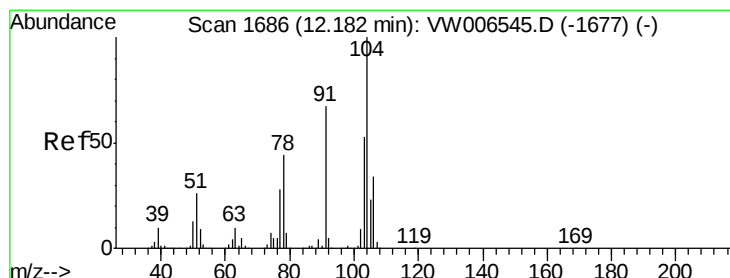
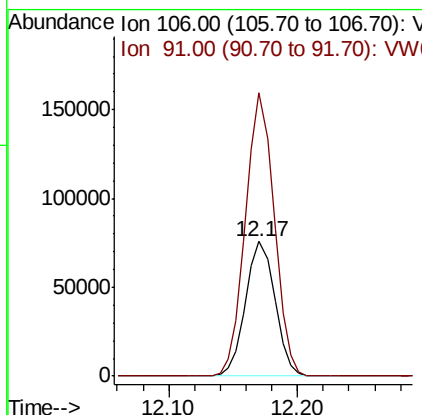
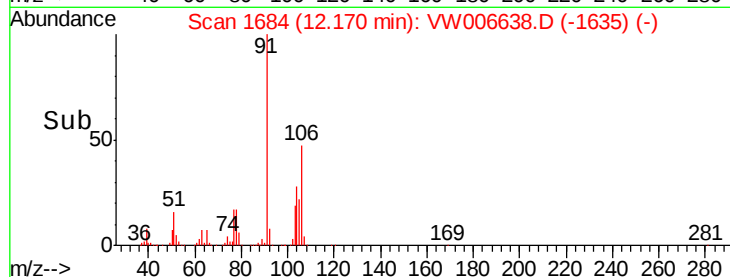
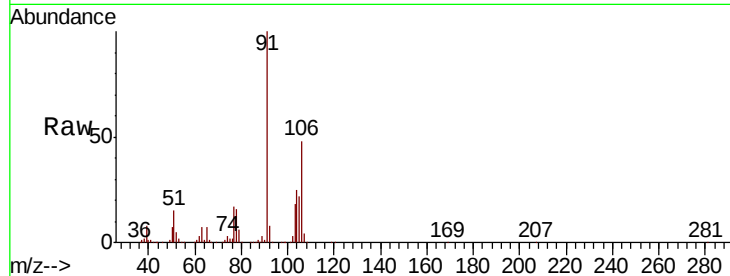
#69
o-Xylene
Concen: 50.137 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion:106 Resp: 119532
Ion Ratio Lower Upper
106 100
91 206.5 102.8 308.4

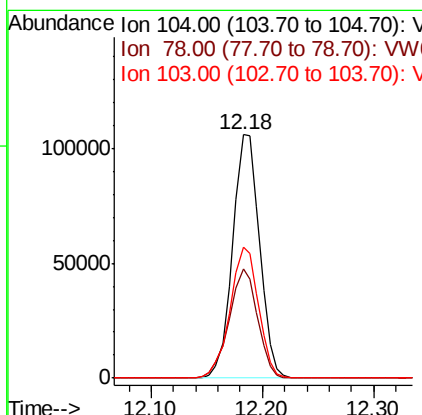
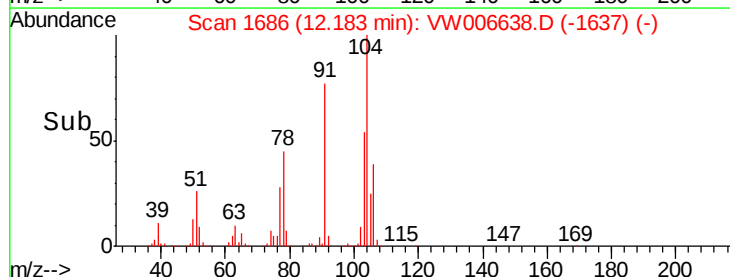
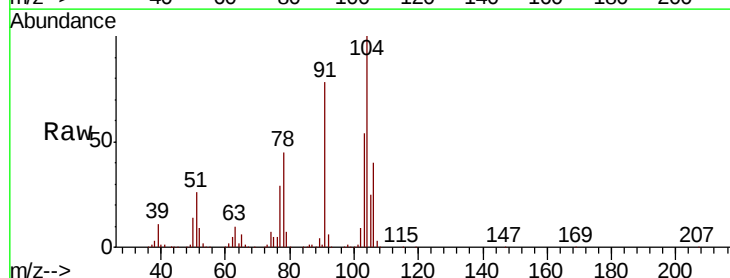
Manual Integrations
APPROVED

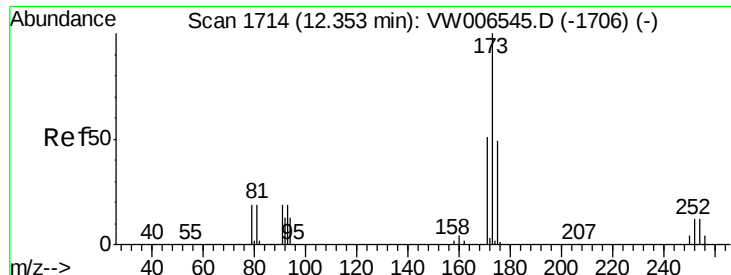
apatel
11/6/2018 8:15:20 AM



#70
Styrene
Concen: 45.693 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion:104 Resp: 177608
Ion Ratio Lower Upper
104 100
78 47.6 37.2 55.8
103 56.6 44.2 66.2





#71

Bromoform

Concen: 58.521 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion:173 Resp: 40889

Ion Ratio Lower Upper

173 100

175 50.9 24.1 72.4

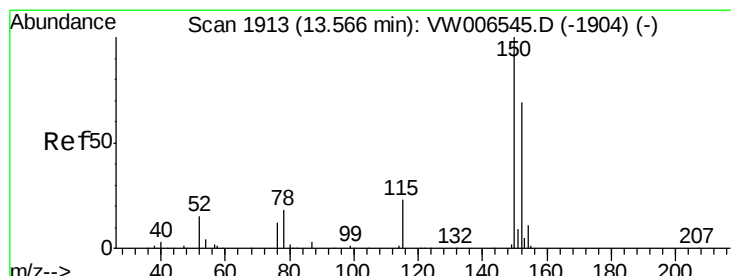
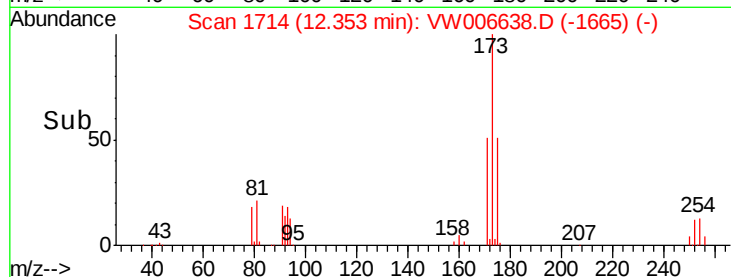
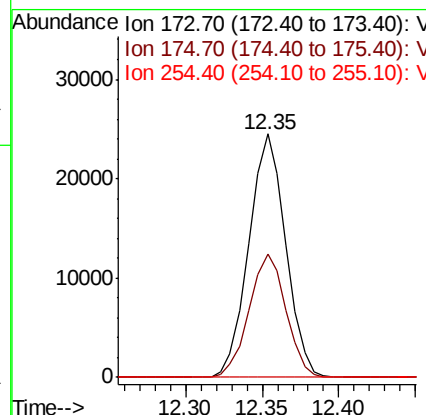
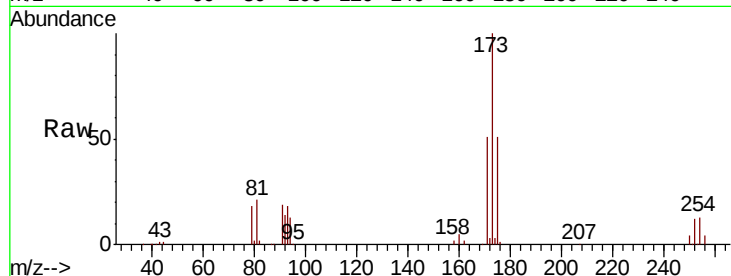
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

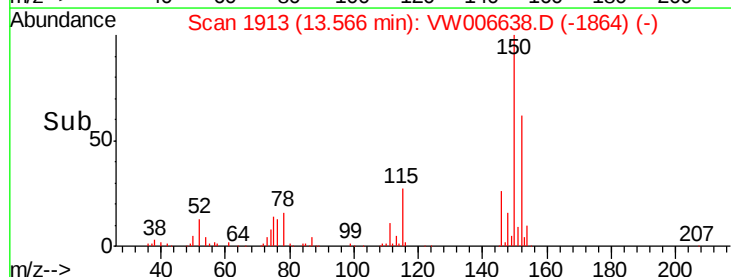
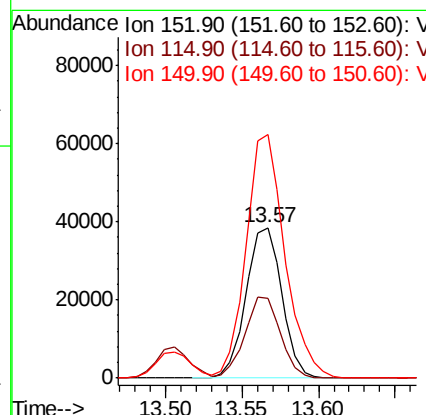
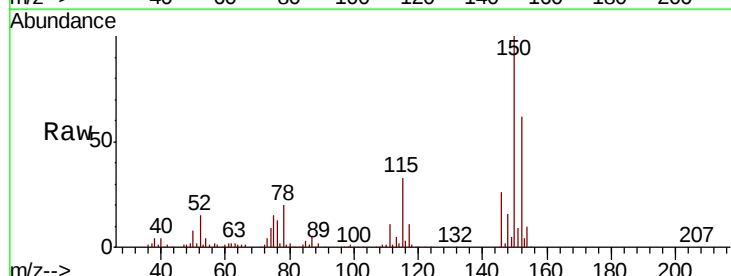
Tgt Ion:152 Resp: 62718

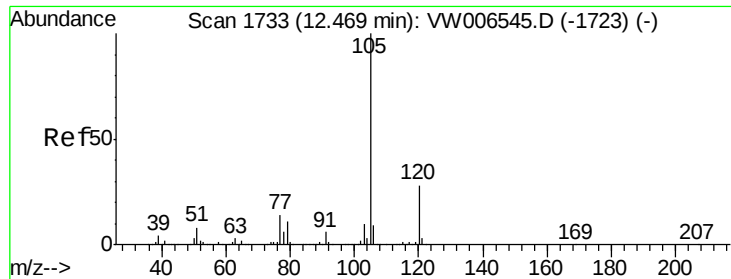
Ion Ratio Lower Upper

152 100

115 53.1 26.6 79.8

150 174.6 0.0 344.6





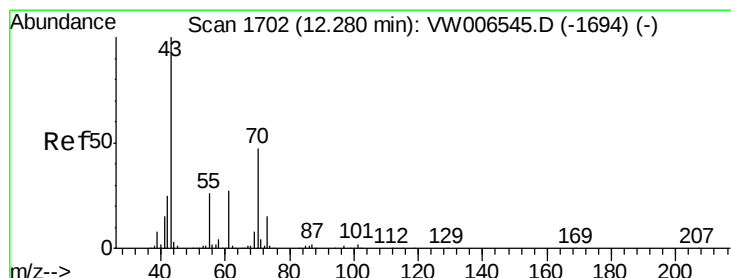
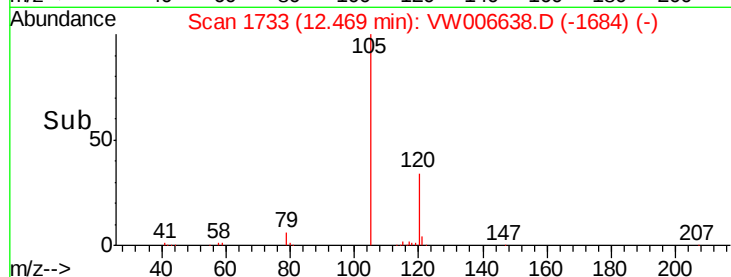
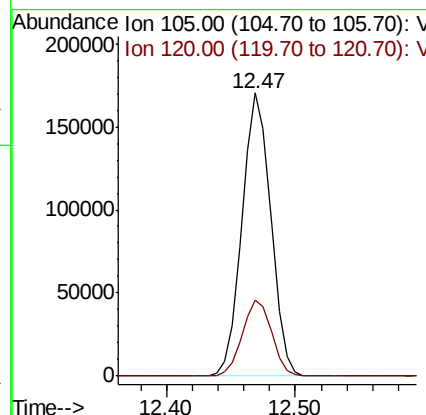
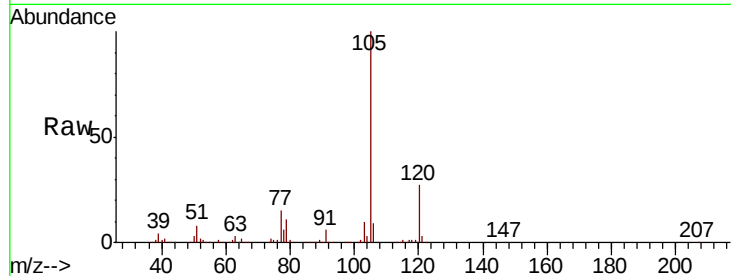
#73
Isopropylbenzene
Concen: 63.573 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.7	41.1

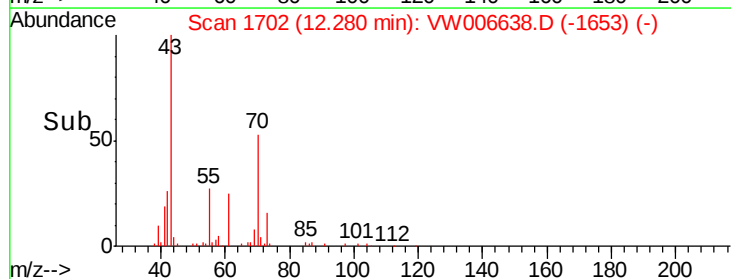
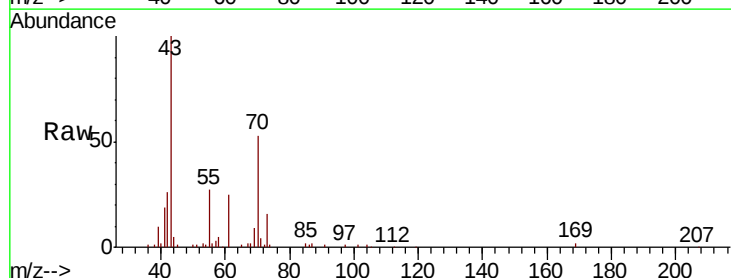
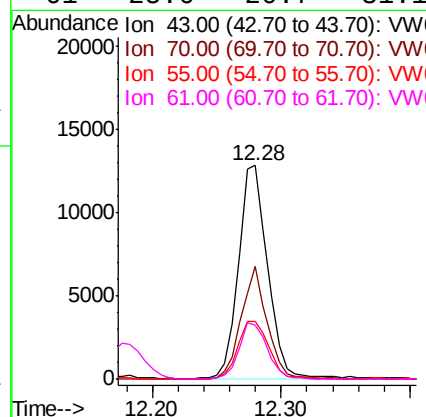
Manual Integrations
APPROVED

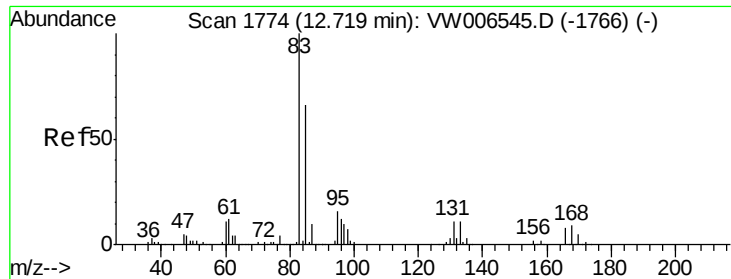
apatel
11/6/2018 8:15:20 AM



#74
N-ethyl acetate
Concen: 28.309 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.5	36.9	55.3
55	28.9	20.7	31.1
61	25.6	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 93.845 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

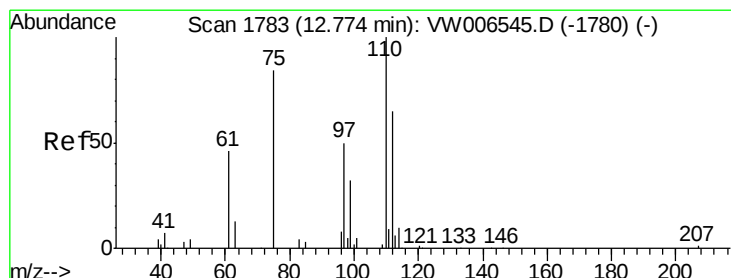
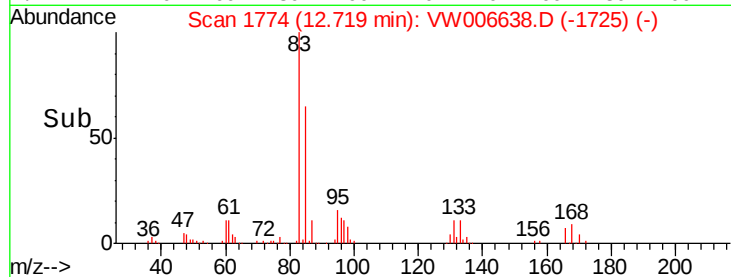
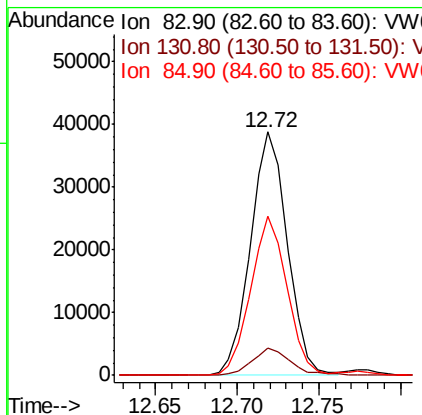
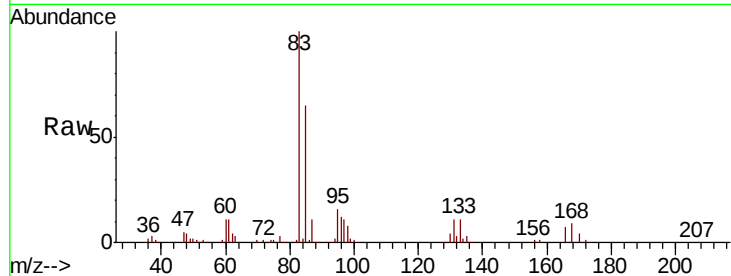
ClientSampleId :

DL-SED-01MS

Tot Ion:	83	Resp:	61238
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	64.4	32.3	96.8

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#76

1,2,3-Trichloropropane

Concen: 96.687 ug/l m

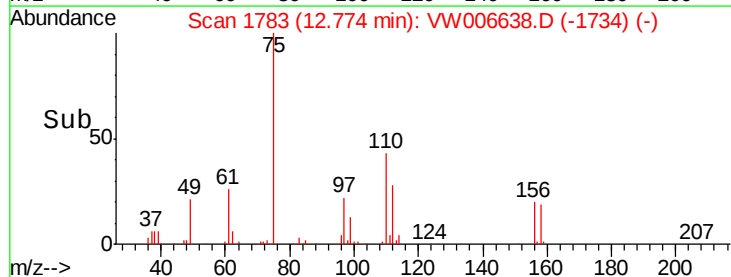
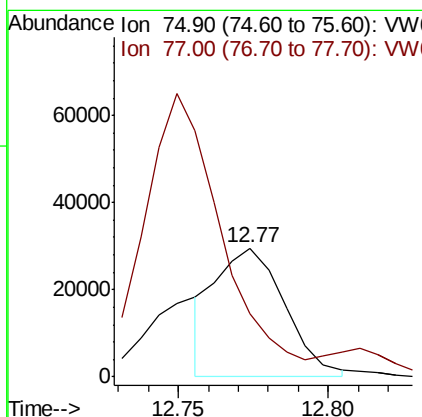
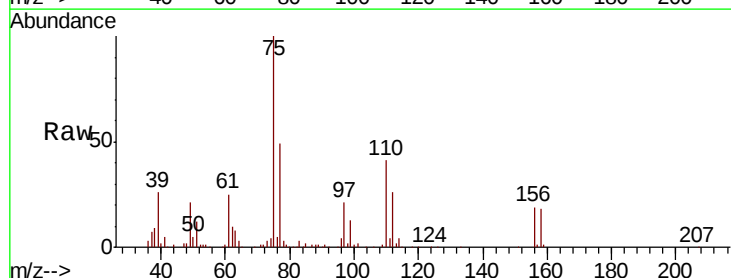
RT: 12.77 min Scan# 1783

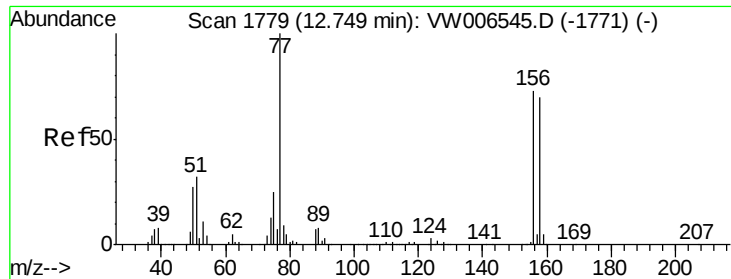
Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Tgt Ion:	75	Resp:	47313
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 70.372 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

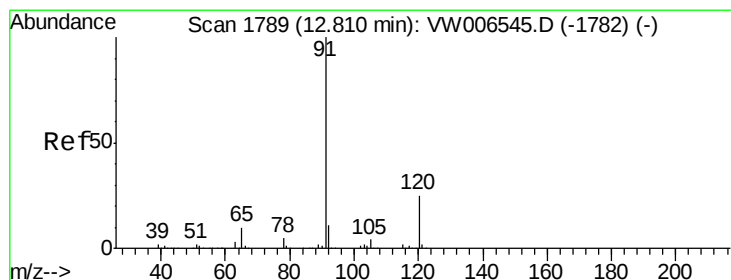
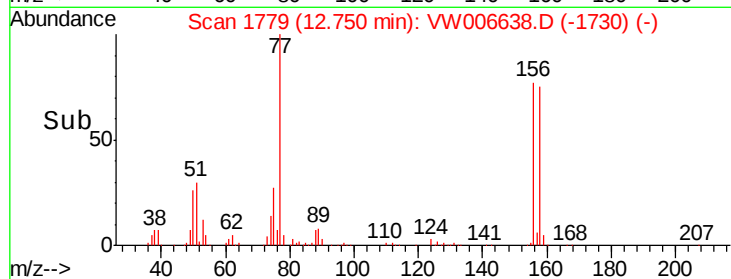
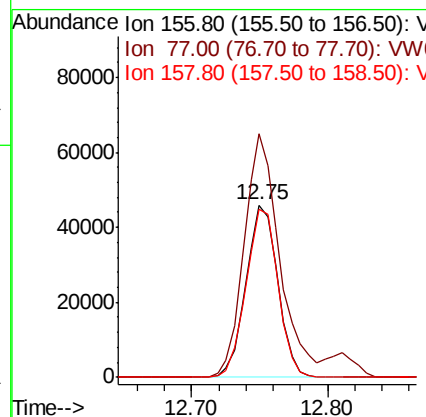
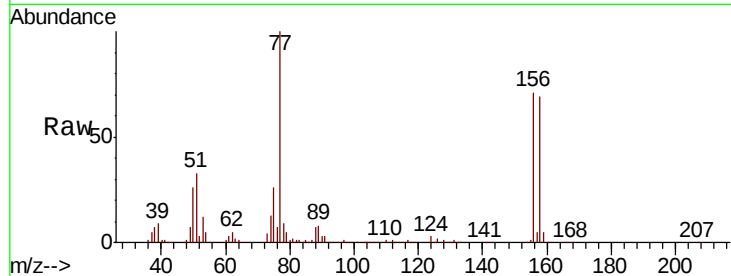
ClientSampleId :

DL-SED-01MS

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.6	75.9	227.8	
158	98.4	48.6	145.9	

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#78

n-propylbenzene

Concen: 54.496 ug/l

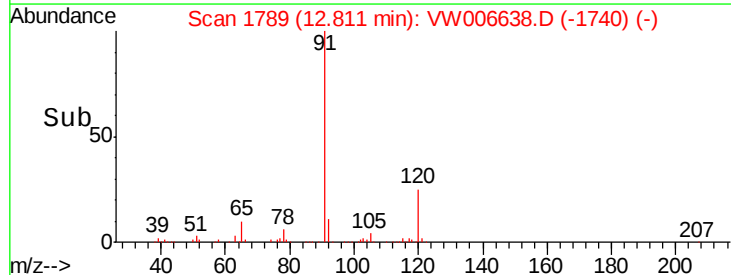
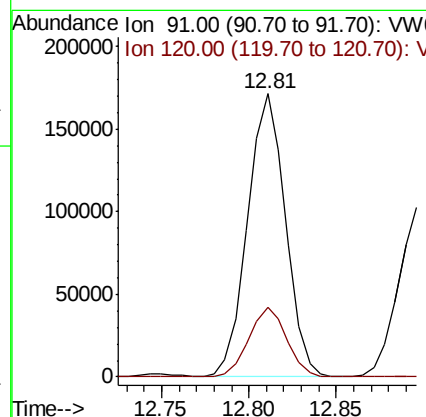
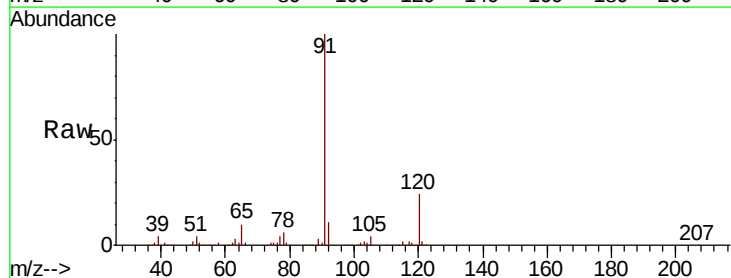
RT: 12.81 min Scan# 1789

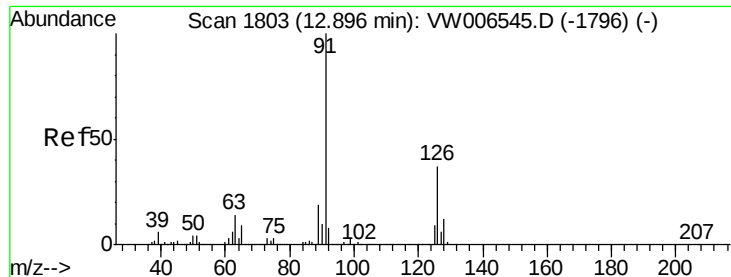
Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.5	12.4	37.0	





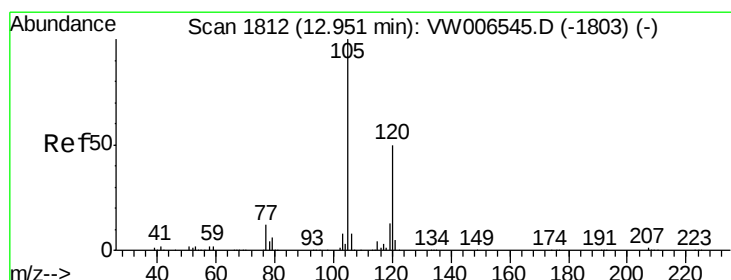
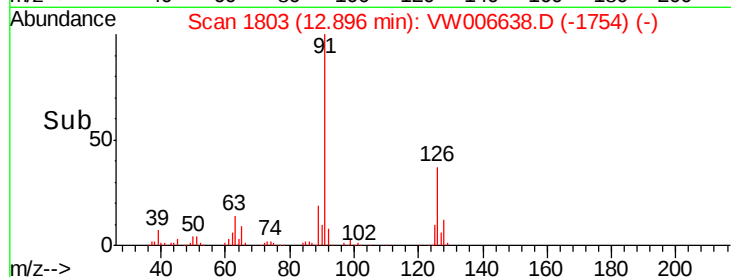
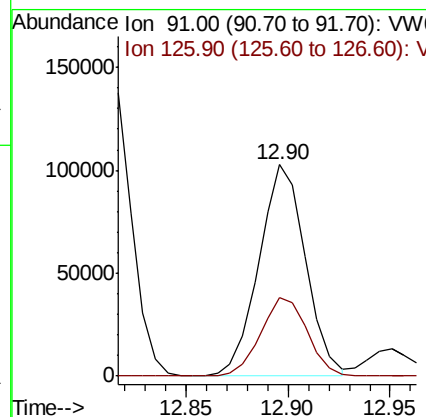
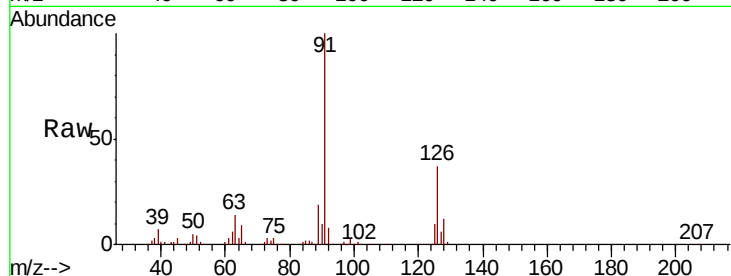
#79
2-Chlorotoluene
Concen: 59.739 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion: 91 Resp: 162927
Ion Ratio Lower Upper
91 100
126 37.3 18.5 55.5

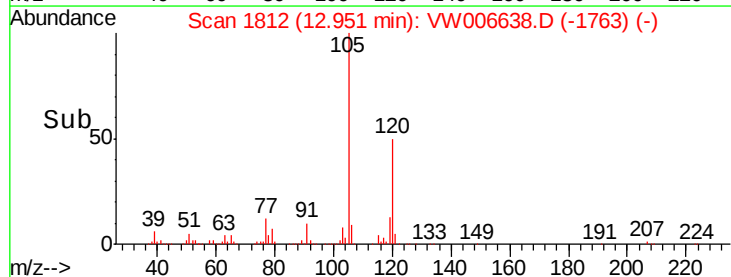
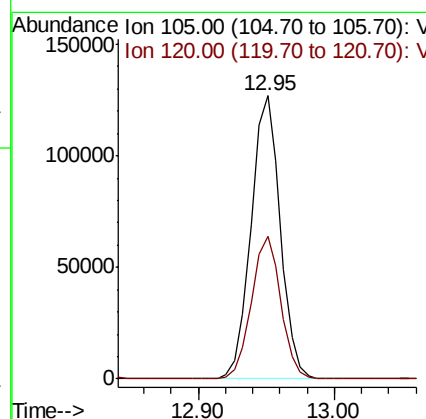
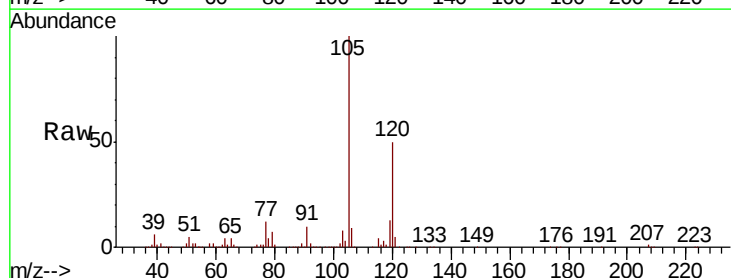
Manual Integrations
APPROVED

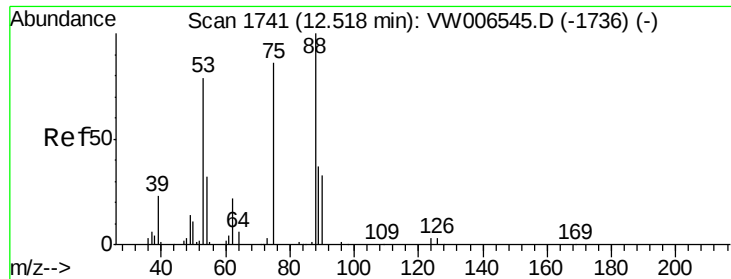
apatel
11/6/2018 8:15:20 AM



#80
1,3,5-Trimethylbenzene
Concen: 54.978 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion: 105 Resp: 190830
Ion Ratio Lower Upper
105 100
120 50.7 25.1 75.3





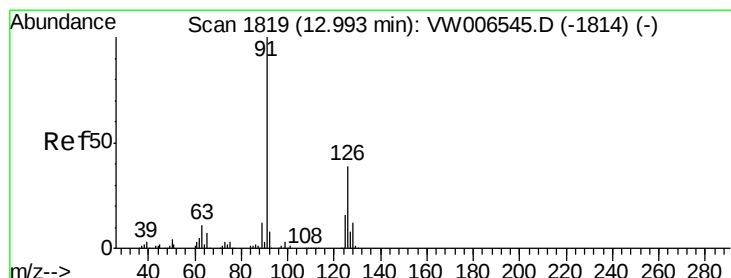
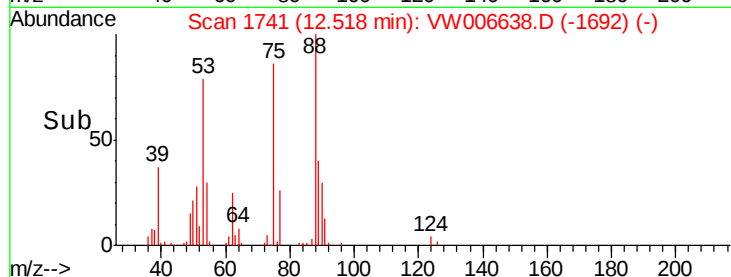
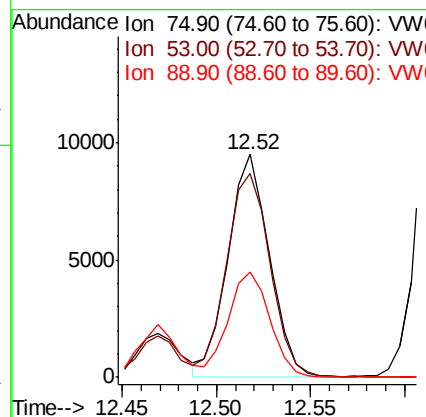
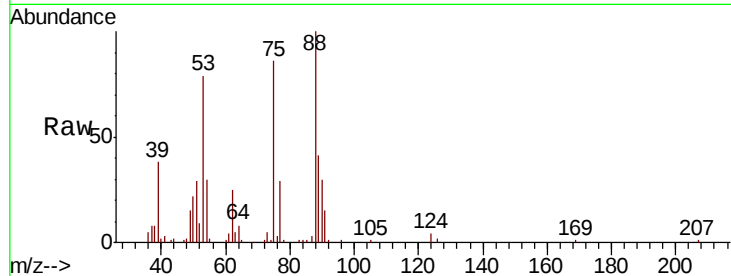
#81
trans-1,4-Dichloro-2-butene
Concen: 75.425 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	77.2	115.8
89	47.0	38.6	58.0

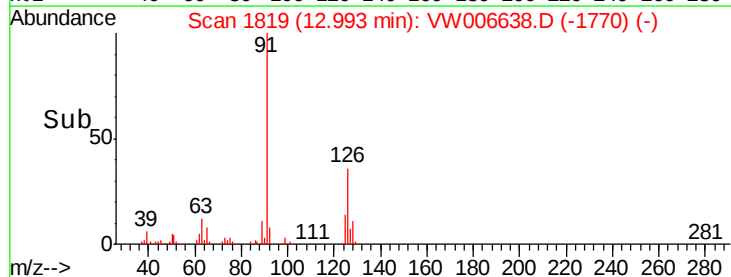
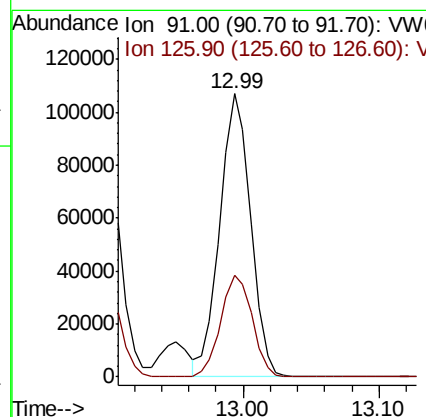
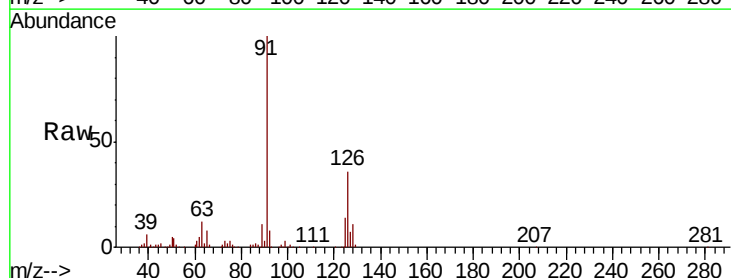
Manual Integrations
APPROVED

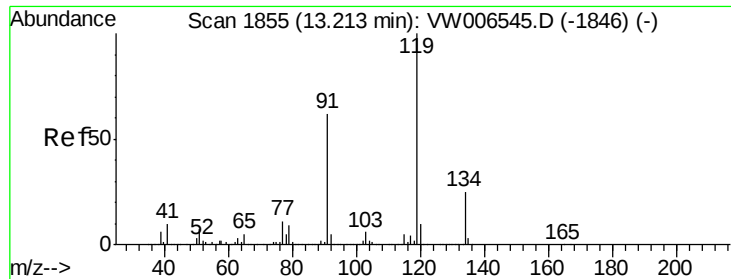
apatel
11/6/2018 8:15:20 AM



#82
4-Chlorotoluene
Concen: 58.298 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.5	55.5





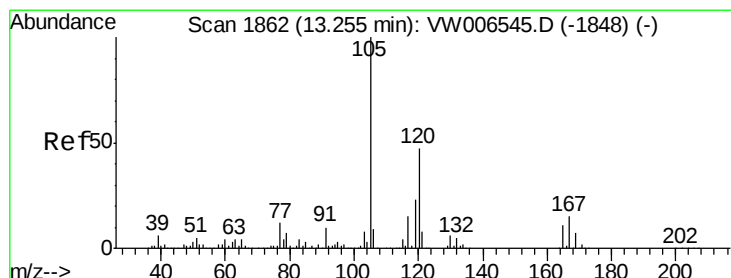
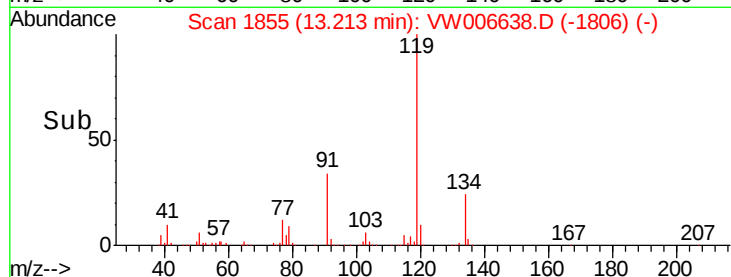
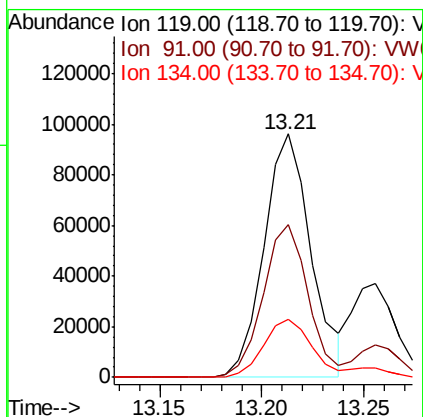
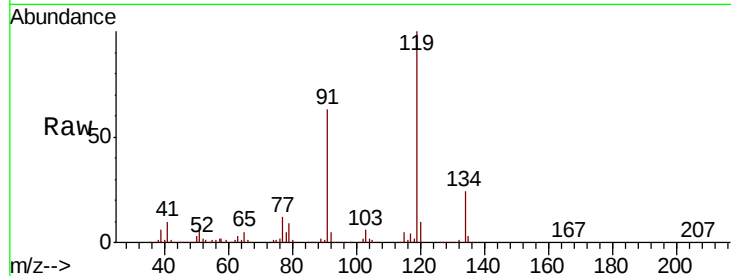
#83
tert-Butylbenzene
Concen: 49.877 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.4	91.3
134	24.9	13.5	40.4

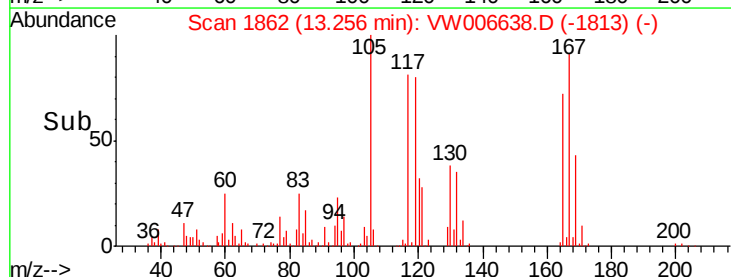
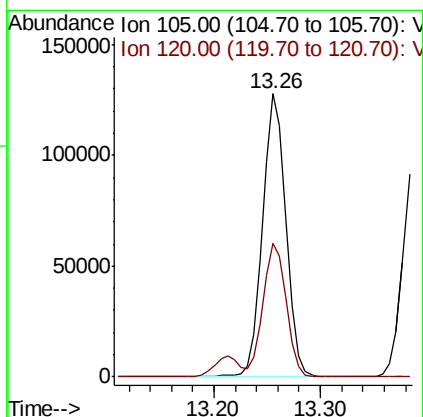
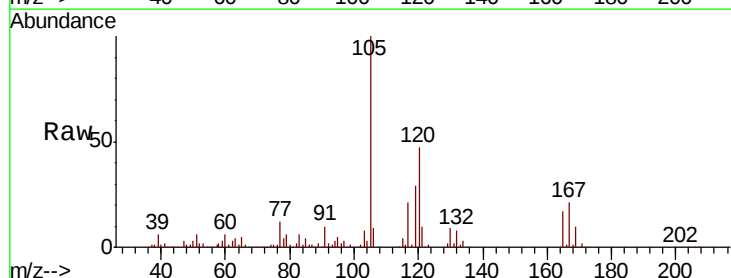
Manual Integrations
APPROVED

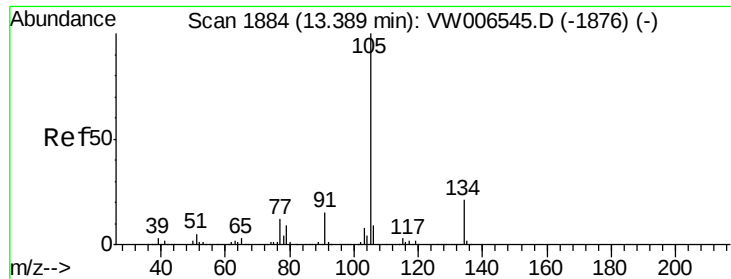
apatel
11/6/2018 8:15:20 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.146 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 39.401 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

DL-SED-01MS

Tot Ion:105 Resp: 170813

Ion Ratio Lower Upper

105 100

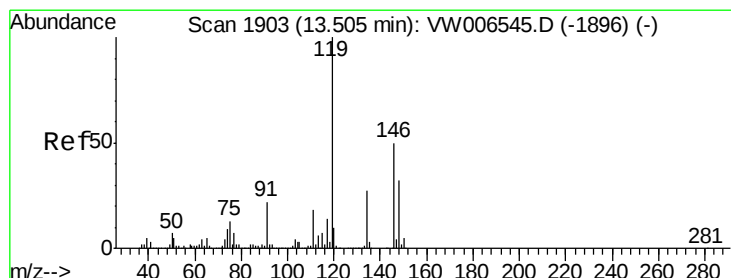
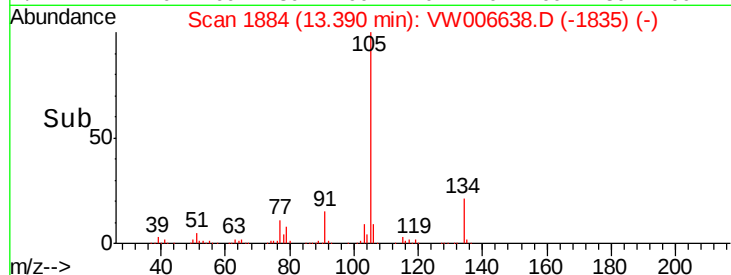
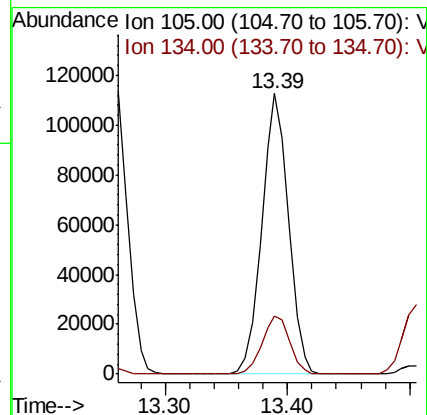
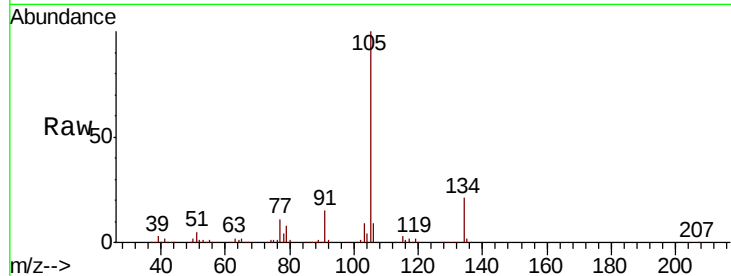
134 21.4 10.6 31.8

Manual Integrations

APPROVED

apatel

11/6/2018 8:15:20 AM



#86

p-Isopropyltoluene

Concen: 39.151 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

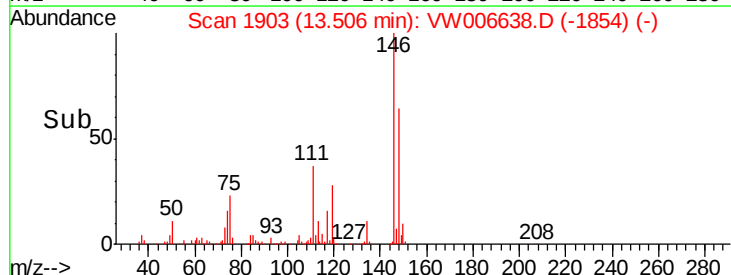
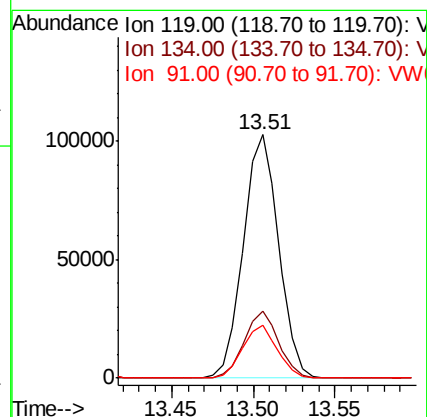
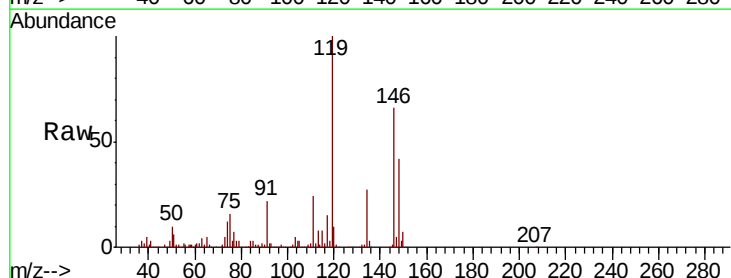
Tgt Ion:119 Resp: 154441

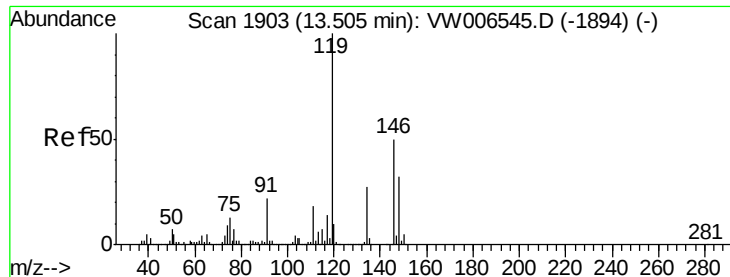
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 21.6 10.9 32.6





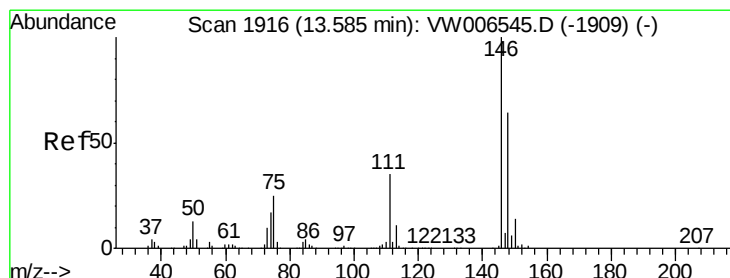
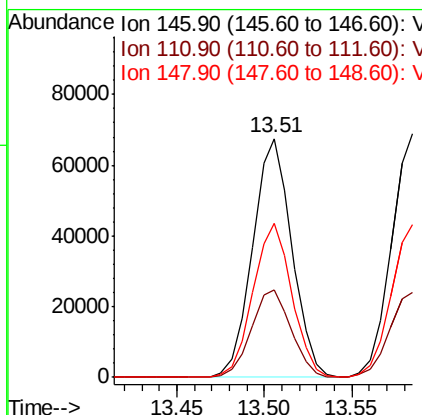
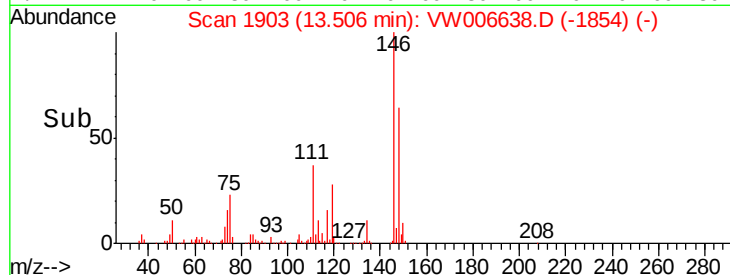
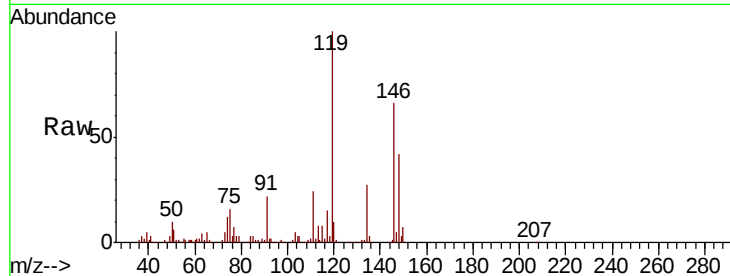
#87
 1,3-Dichlorobenzene
 Concen: 50.232 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.6
148	64.0	32.1	96.3

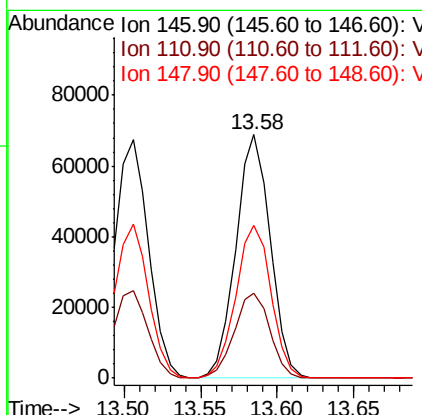
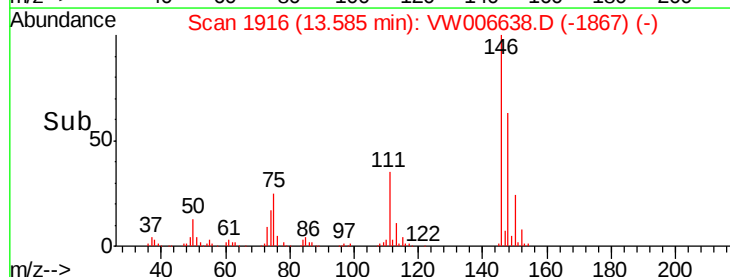
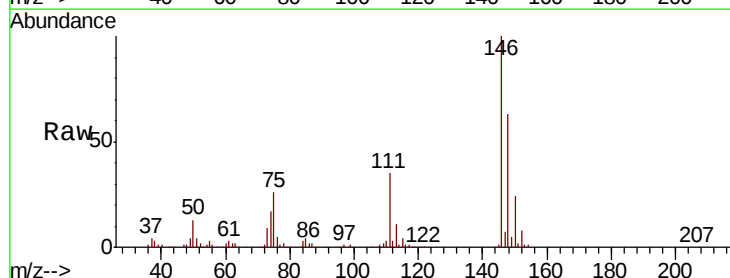
Manual Integrations
 APPROVED

apatel
 11/6/2018 8:15:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.541 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.9	53.7
148	64.0	32.1	96.5





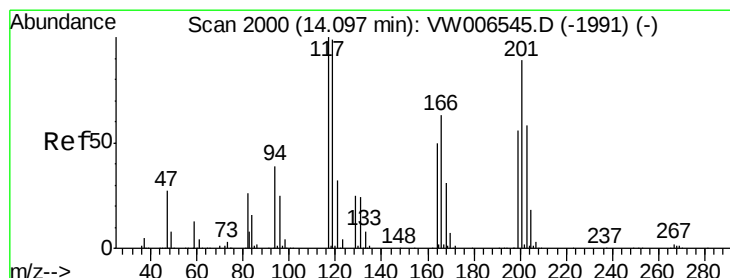
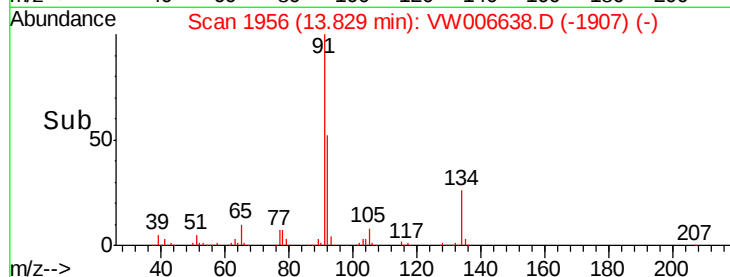
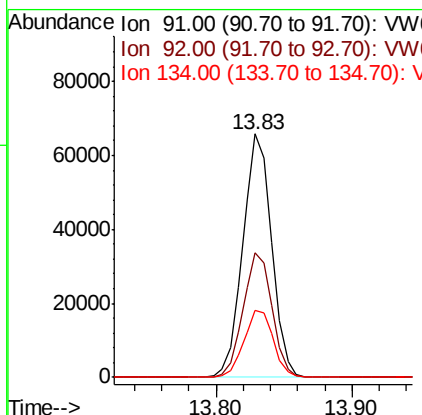
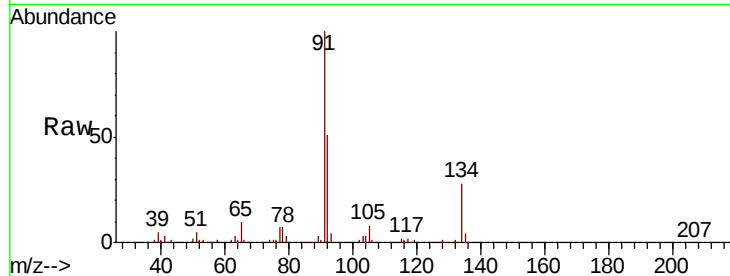
#89
n-Butylbenzene
Concen: 27.751 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.4	79.0
134	28.3	14.3	42.9

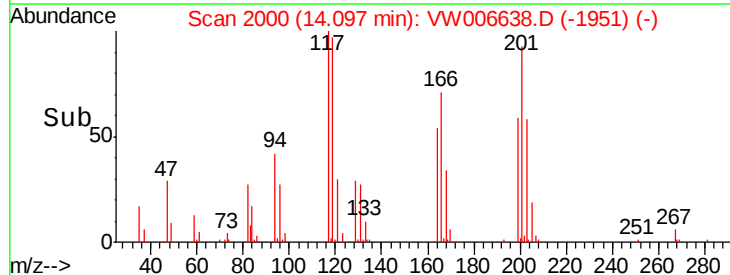
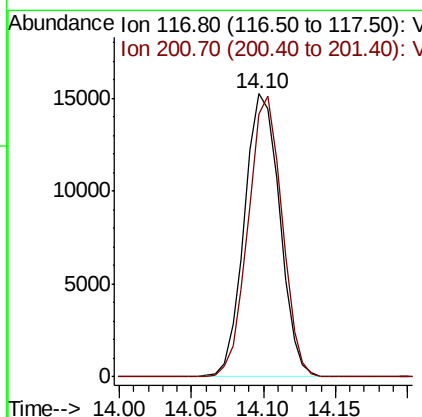
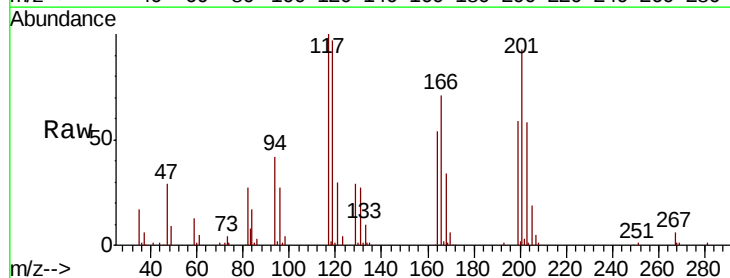
Manual Integrations
APPROVED

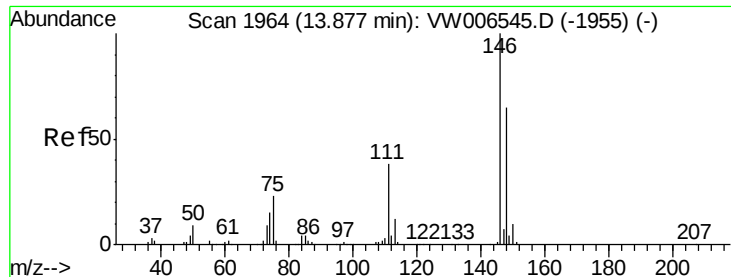
apatel
11/6/2018 8:15:20 AM



#90
Hexachloroethane
Concen: 40.038 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	46.8	140.3





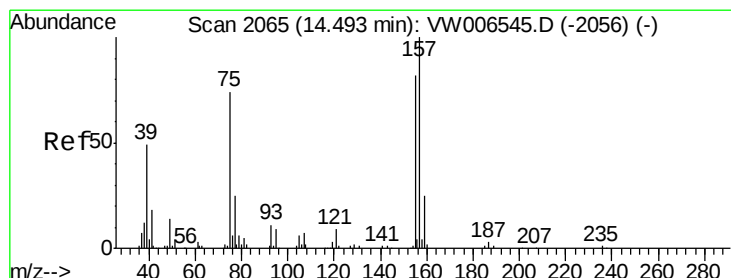
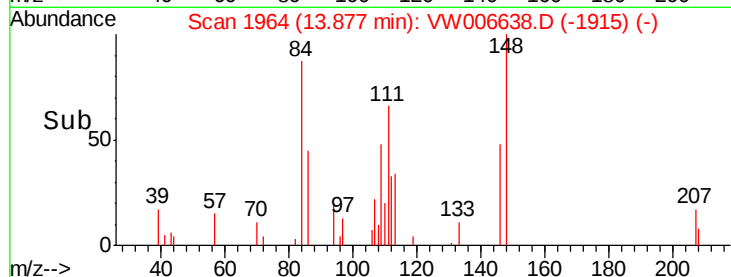
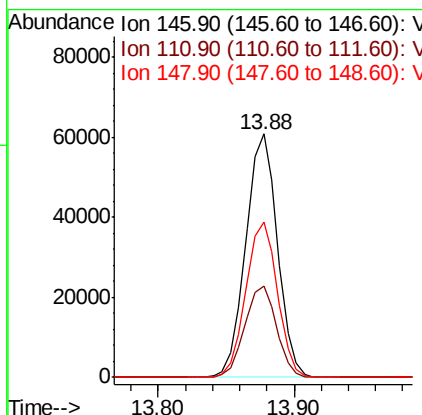
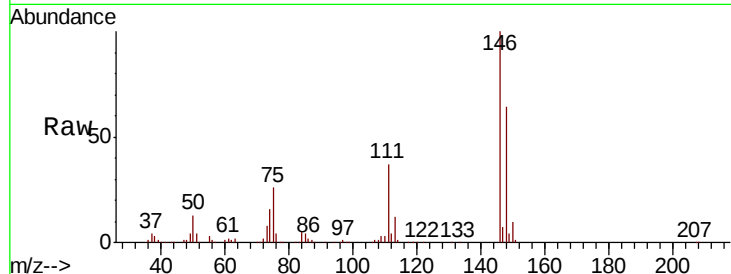
#91
 1,2-Dichlorobenzene
 Concen: 52.380 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	63.8	32.0	96.0

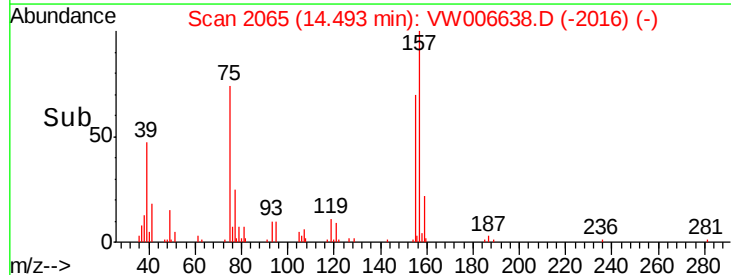
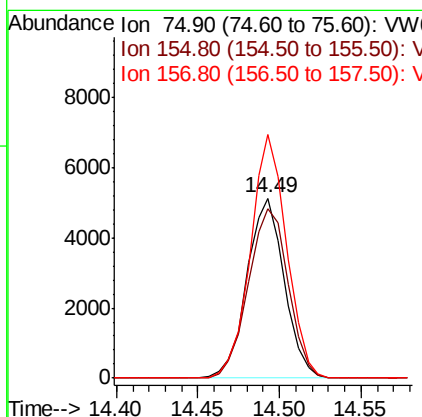
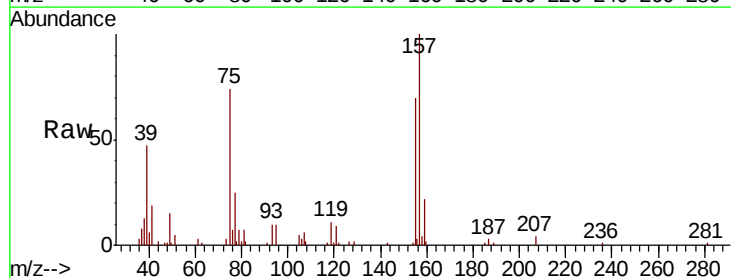
Manual Integrations
 APPROVED

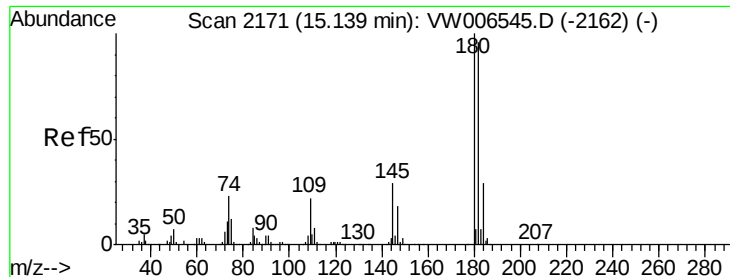
apatel
 11/6/2018 8:15:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 77.047 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006638.D
 Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	50.6	151.8
157	130.9	65.0	195.0





#93

1,2,4-Trichlorobenzene

Concen: 24.029 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW006638.D

Acq: 05 Nov 2018 16:06

Instrument :

MSVOA_W

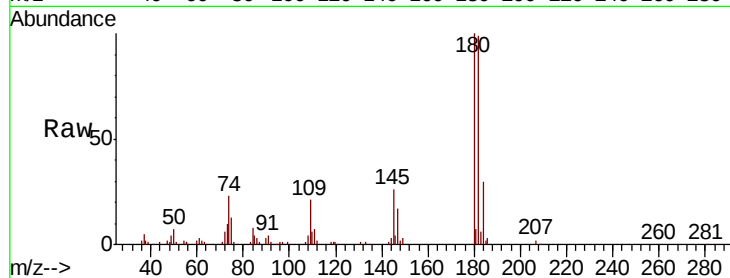
ClientSampleId :

DL-SED-01MS

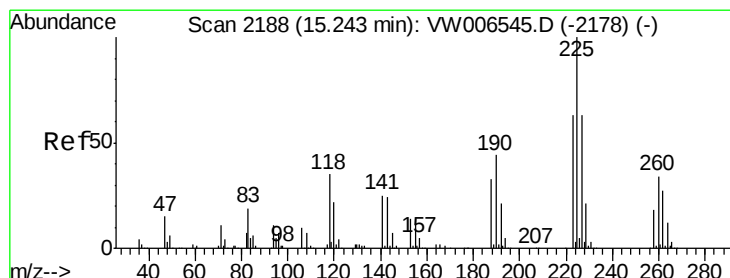
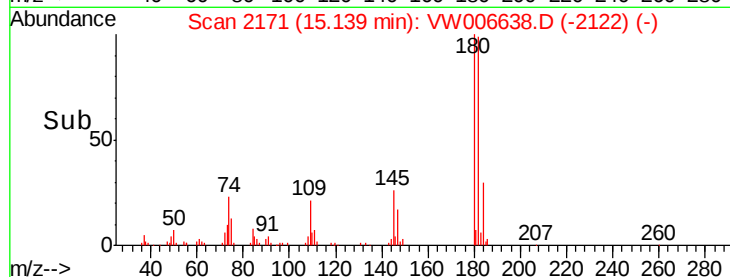
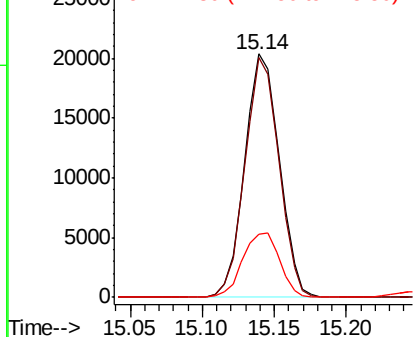
Tot Ion:	180	Resp:	33858
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.5	142.6
145	28.2	14.0	42.0

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 12.266 ug/l

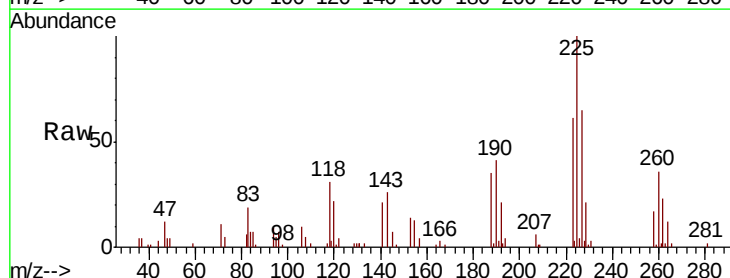
RT: 15.24 min Scan# 2188

Delta R.T. 0.00 min

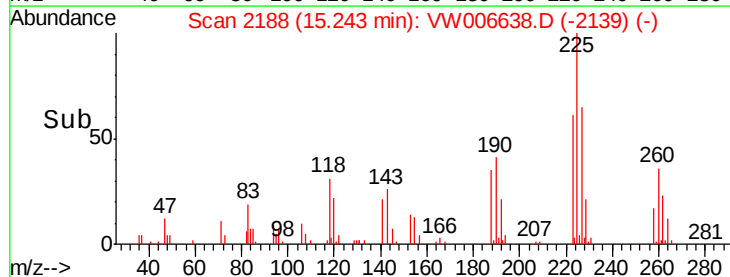
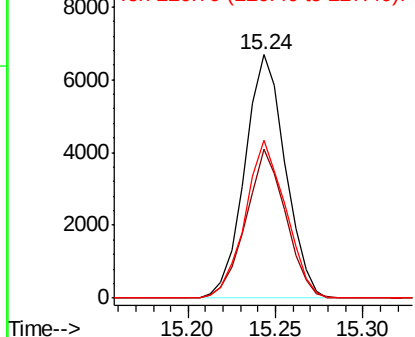
Lab File: VW006638.D

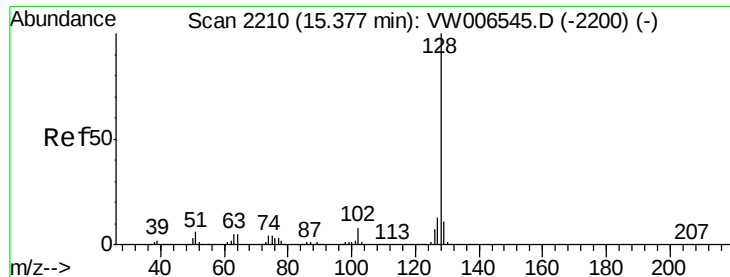
Acq: 05 Nov 2018 16:06

Tgt Ion:	225	Resp:	10772
Ion Ratio	Lower	Upper	
225	100		
223	60.0	31.4	94.2
227	64.7	32.2	96.6



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





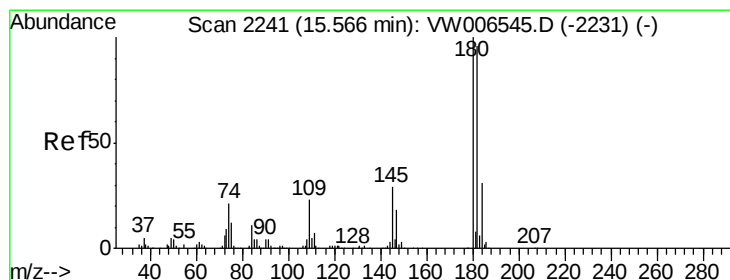
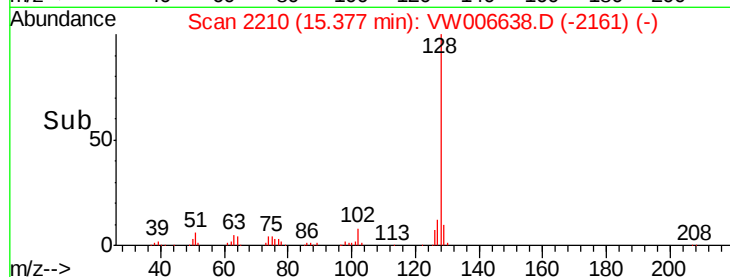
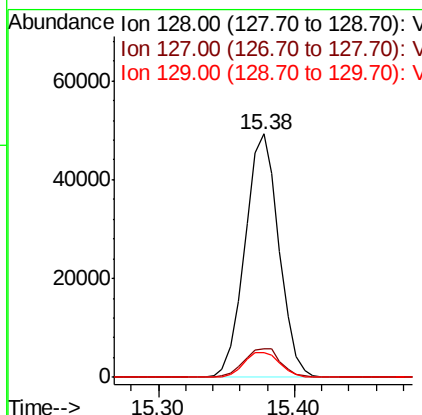
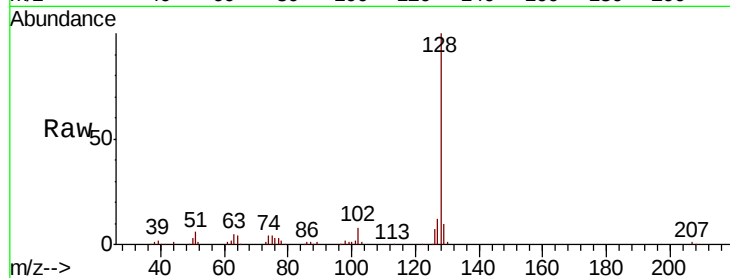
#95
Naphthalene
Concen: 37.973 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-SED-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1

Manual Integrations
APPROVED

apatel
11/6/2018 8:15:20 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.856 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006638.D
Acq: 05 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.2	144.6
145	30.0	14.9	44.5

