

Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\
 Data File : VW009074.D
 Acq On : 08 Mar 2019 23:59
 Operator : SY/VA
 Sample : K1785-13MS
 Misc : 4.74G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 2:53:34 PM

Quant Time: Mar 09 04:49:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	131423	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	7.88	113	112857	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
50) Toluene-d8	10.32	98	486244	55.03	ug/l	0.00
Spiked Amount			Recovery	=	110.06%	
62) 4-Bromofluorobenzene	12.62	95	175199	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	111267	43.742	ug/l	100
3) Chloromethane	2.21	50	149122	46.148	ug/l	98
4) Vinyl Chloride	2.35	62	147595	45.008	ug/l	97
5) Bromomethane	2.76	94	144590	52.233	ug/l	100
6) Chloroethane	2.92	64	105489	45.185	ug/l	100
7) Trichlorofluoromethane	3.26	101	198565	47.027	ug/l	100
8) Diethyl Ether	3.68	74	63477	49.167	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113353	43.104	ug/l	97
10) Methyl Iodide	4.27	142	60259	22.965	ug/l	97
11) Tert butyl alcohol	5.18	59	42599	218.912	ug/l	96
12) 1,1-Dichloroethene	4.03	96	101856	44.902	ug/l	99
13) Acrolein	3.90	56	13678	63.876	ug/l	95
14) Allyl chloride	4.67	41	177325	44.317	ug/l	100
15) Acrylonitrile	5.37	53	137469	243.964	ug/l	99
16) Acetone	4.13	43	107366	187.364	ug/l	98
17) Carbon Disulfide	4.38	76	355614	46.594	ug/l	100
18) Methyl Acetate	4.67	43	173987	132.038	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	295827	49.299	ug/l	98
20) Methylene Chloride	4.91	84	135623	50.350	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	121092	46.232	ug/l	98
22) Diisopropyl ether	6.31	45	363670	45.735	ug/l	96
23) Vinyl Acetate	6.26	43	144458	29.193	ug/l	98
24) 1,1-Dichloroethane	6.21	63	214825	46.578	ug/l	99
25) 2-Butanone	7.17	43	175659	221.807	ug/l	99
26) 2,2-Dichloropropane	7.17	77	172605	41.172	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	131361	46.697	ug/l	99
28) Bromochloromethane	7.51	49	92228	48.075	ug/l	100
29) Tetrahydrofuran	7.52	42	120683	241.818	ug/l	99
30) Chloroform	7.67	83	229201	48.269	ug/l	98
31) Cyclohexane	7.95	56	191548	40.447	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	203414	46.419	ug/l	99
36) 1,1-Dichloropropene	8.08	75	171533	45.913	ug/l	99
37) Ethyl Acetate	7.25	43	60919	34.714	ug/l	97
38) Carbon Tetrachloride	8.06	117	182081	47.192	ug/l	97

Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\
 Data File : VW009074.D
 Acq On : 08 Mar 2019 23:59
 Operator : SY/VA
 Sample : K1785-13MS
 Misc : 4.74G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 2:53:34 PM

Quant Time: Mar 09 04:49:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	175037	39.335	ug/l	98
40) Benzene	8.32	78	489236	49.055	ug/l	98
41) Methacrylonitrile	7.49	41	44369	45.530	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	156769	48.690	ug/l	99
43) Isopropyl Acetate	8.42	43	128766	39.398	ug/l	96
44) Trichloroethene	9.09	130	131184	46.931	ug/l	93
45) 1,2-Dichloropropane	9.37	63	122803	49.164	ug/l	97
46) Dibromomethane	9.46	93	67424	49.425	ug/l	98
47) Bromodichloromethane	9.65	83	169179	48.992	ug/l	98
48) Methyl methacrylate	9.43	41	92328	60.668	ug/l	96
49) 1,4-Dioxane	9.46	88	19236	984.716	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	424508	255.843	ug/l	99
52) Toluene	10.39	92	338667	50.072	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	161199	47.198	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	182700	46.550	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	93341	50.483	ug/l	95
56) Ethyl methacrylate	10.65	69	81893	35.688	ug/l	98
57) 1,3-Dichloropropane	10.93	76	162642	49.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	295085	248.053	ug/l	100
59) 2-Hexanone	10.97	43	287413	246.370	ug/l	99
60) Dibromochloromethane	11.13	129	112794	49.294	ug/l	99
61) 1,2-Dibromoethane	11.23	107	89504	49.379	ug/l	99
64) Tetrachloroethene	10.86	164	121586	47.895	ug/l	97
65) Chlorobenzene	11.66	112	368989	48.157	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	125317	48.983	ug/l	98
67) Ethyl Benzene	11.73	91	655768	47.375	ug/l	99
68) m/p-Xylenes	11.84	106	519825	95.142	ug/l	99
69) o-Xylene	12.16	106	241243	47.454	ug/l	99
70) Styrene	12.18	104	395030	48.027	ug/l	99
71) Bromoform	12.35	173	69328	50.468	ug/l #	98
73) Isopropylbenzene	12.46	105	646061	48.960	ug/l	99
74) N-amyl acetate	12.27	43	72042	23.062	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	110603	53.137	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	78398m	53.850	ug/l	
77) Bromobenzene	12.75	156	156472	51.897	ug/l	97
78) n-propylbenzene	12.80	91	749894	46.137	ug/l	100
79) 2-Chlorotoluene	12.90	91	438650	48.034	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	527875	46.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	31626	48.589	ug/l	96
82) 4-Chlorotoluene	12.99	91	465919	47.863	ug/l	99
83) tert-Butylbenzene	13.21	119	435811	45.430	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	536859	46.658	ug/l	99
85) sec-Butylbenzene	13.38	105	595910	41.927	ug/l	99
86) p-Isopropyltoluene	13.50	119	534114	42.007	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	297040	46.879	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	296242	47.309	ug/l	98
89) n-Butylbenzene	13.83	91	453865	37.549	ug/l	100
90) Hexachloroethane	14.10	117	89521	40.823	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	269990	48.295	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21130	56.996	ug/l	99

Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\
Data File : VW009074.D
Acq On : 08 Mar 2019 23:59
Operator : SY/VA
Sample : K1785-13MS
Misc : 4.74G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM

Quant Time: Mar 09 04:49:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	144204	38.195	ug/l	96
94) Hexachlorobutadiene	15.24	225	63345	26.786	ug/l	99
95) Naphthalene	15.37	128	287258	46.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	127501	38.405	ug/l	98

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

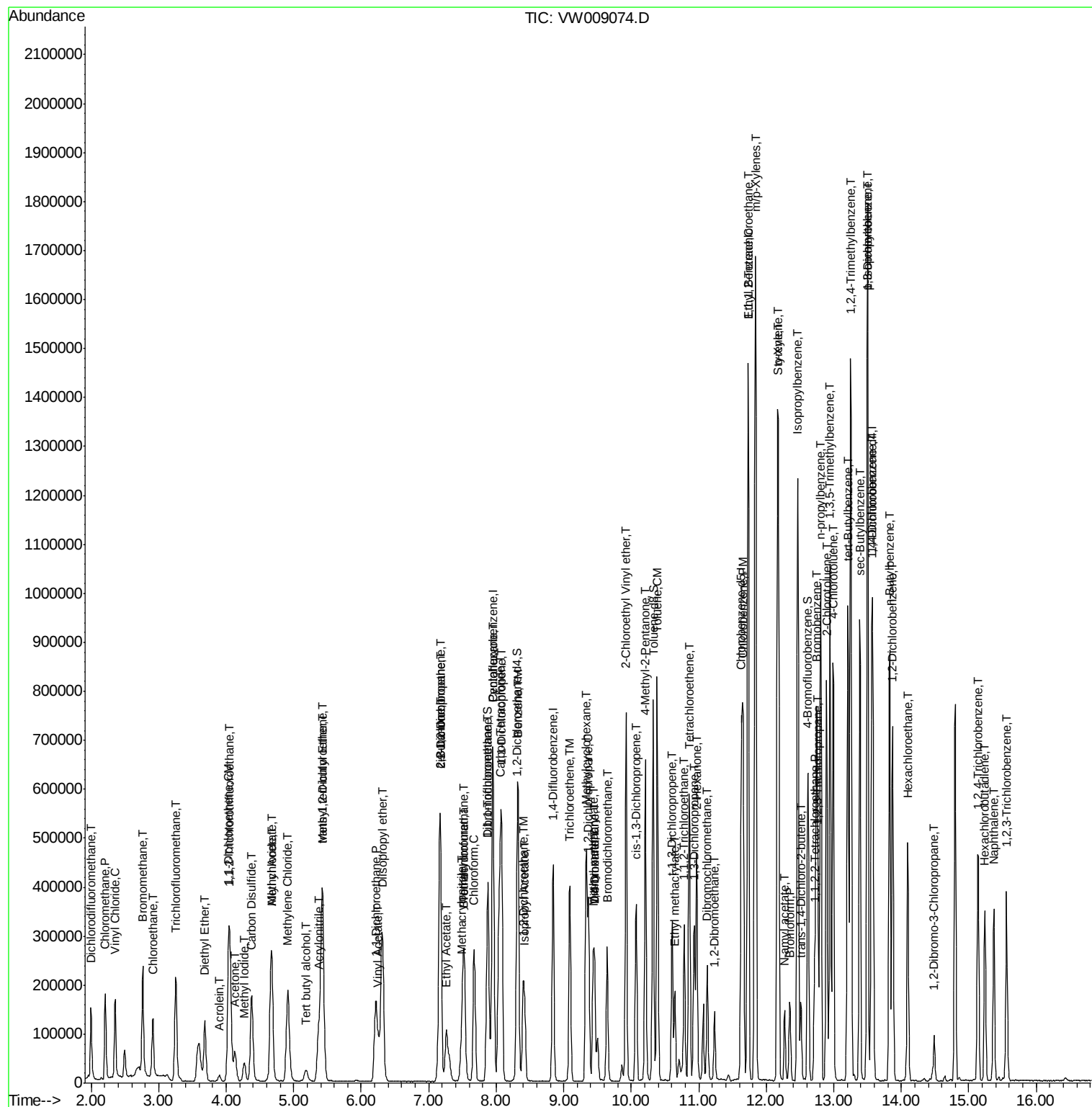
Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\
 Data File : VW009074.D
 Acq On : 08 Mar 2019 23:59
 Operator : SY/VA
 Sample : K1785-13MS
 Misc : 4.74G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

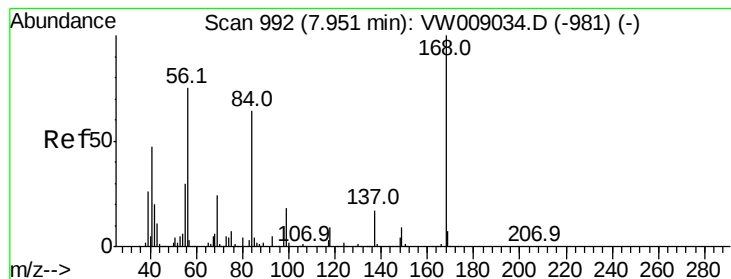
Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 2:53:34 PM

Quant Time: Mar 09 04:49:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:168 Resp: 252400

Ion Ratio Lower Upper

168 100

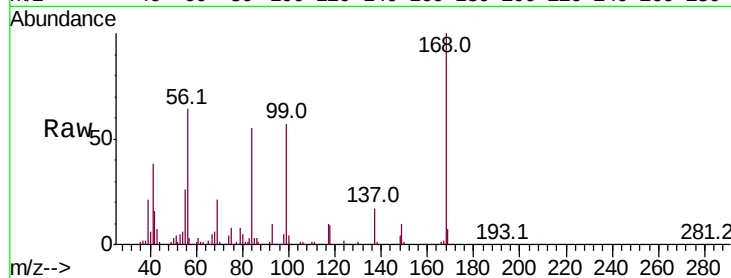
99 56.4 42.2 63.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

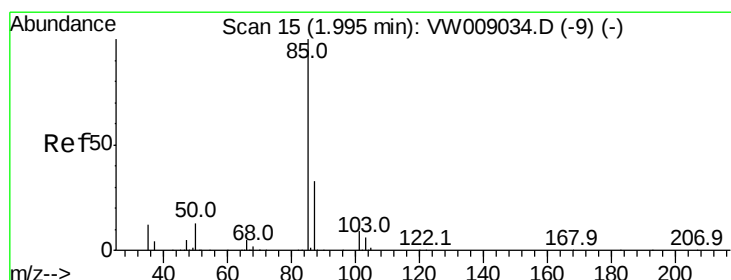
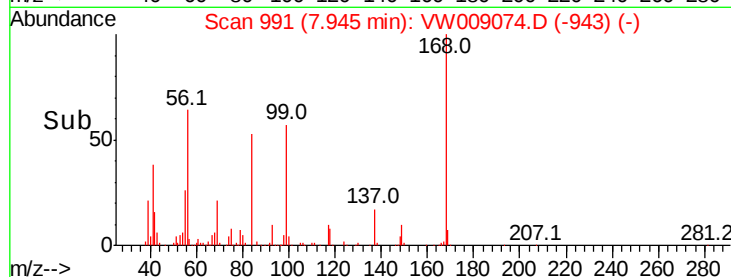
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 43.742 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009074.D

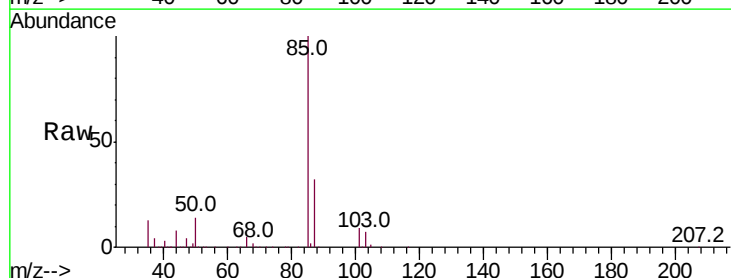
Acq: 08 Mar 2019 23:59

Tgt Ion: 85 Resp: 111267

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

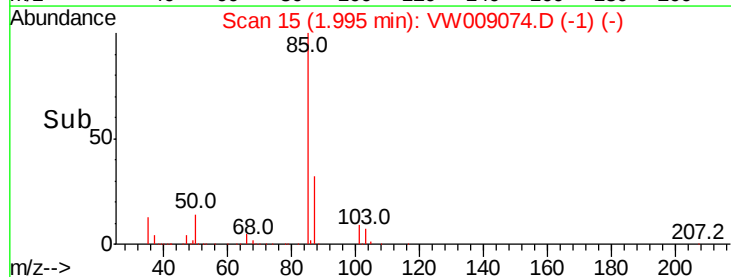
40000

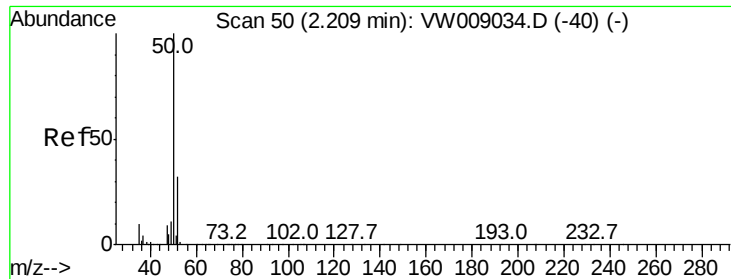
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 46.148 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 50 Resp: 149122

Ion Ratio Lower Upper

50 100

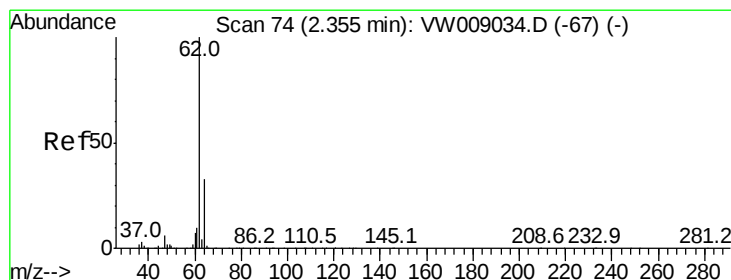
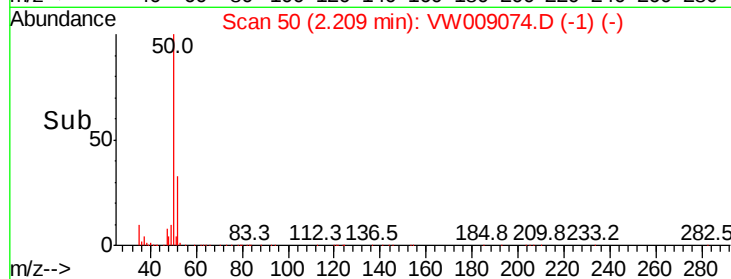
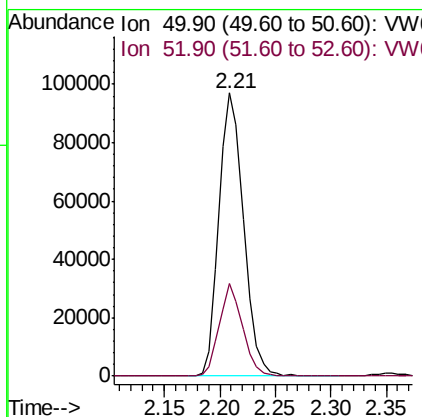
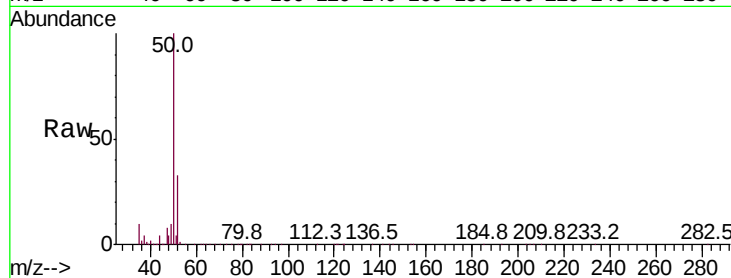
52 32.9 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#4

Vinyl Chloride

Concen: 45.008 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009074.D

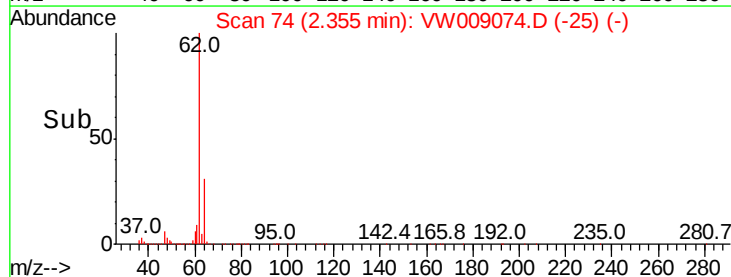
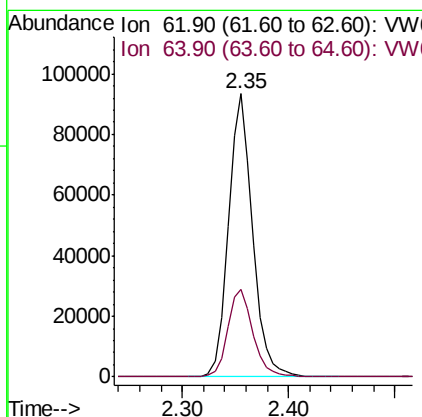
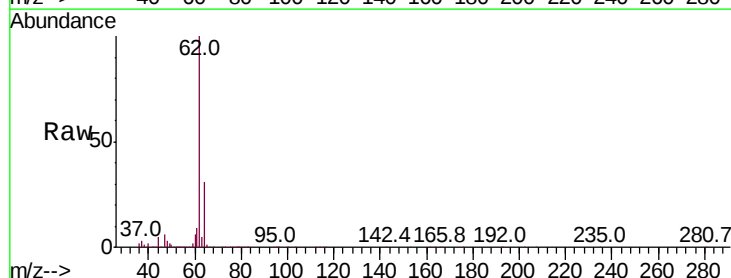
Acq: 08 Mar 2019 23:59

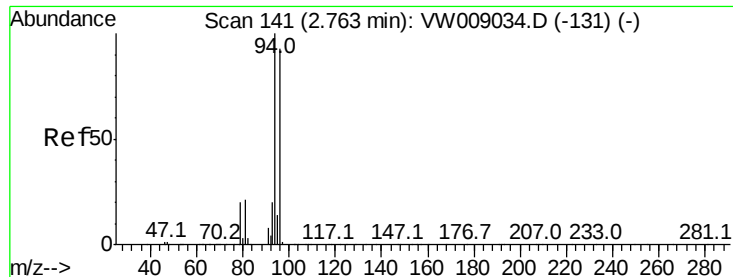
Tgt Ion: 62 Resp: 147595

Ion Ratio Lower Upper

62 100

64 31.0 26.0 39.0





#5

Bromomethane

Concen: 52.233 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 94 Resp: 144590

Ion Ratio Lower Upper

94 100

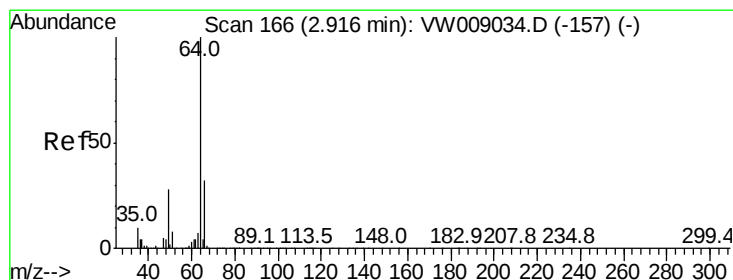
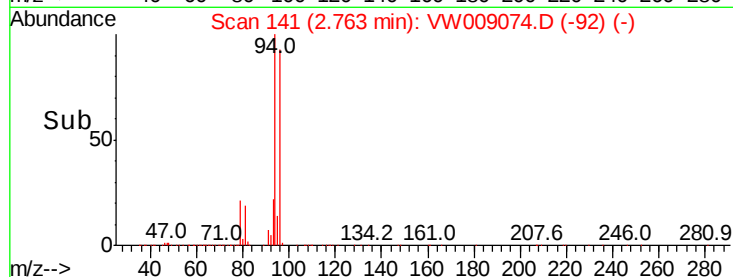
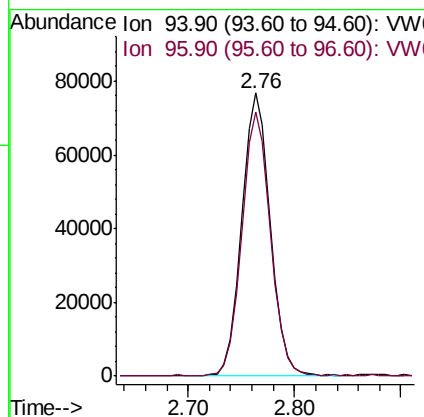
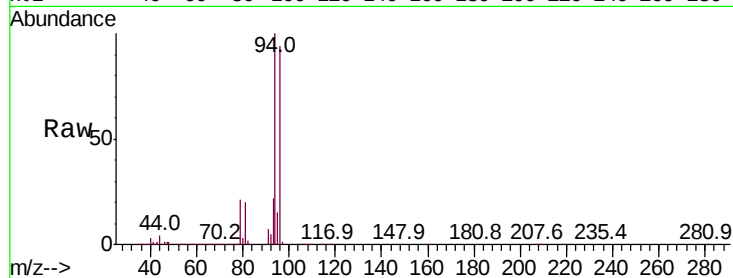
96 93.2 74.4 111.6

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#6

Chloroethane

Concen: 45.185 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009074.D

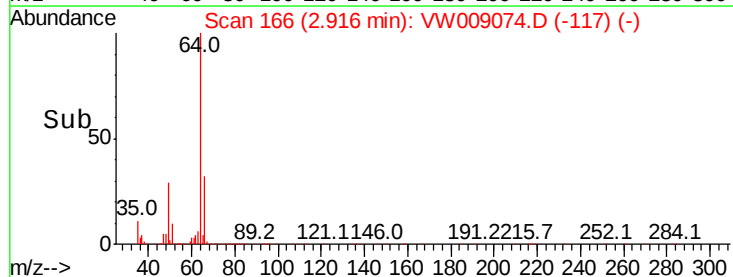
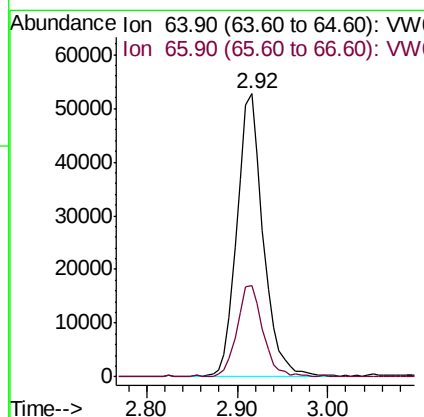
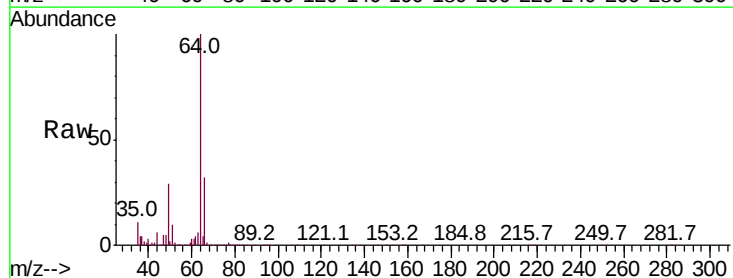
Acq: 08 Mar 2019 23:59

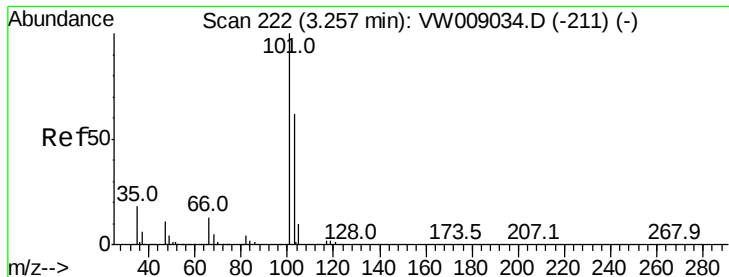
Tgt Ion: 64 Resp: 105489

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#7

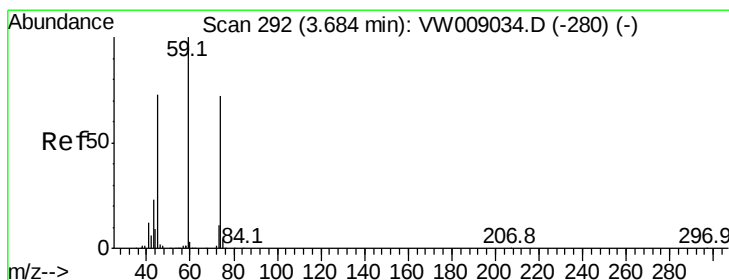
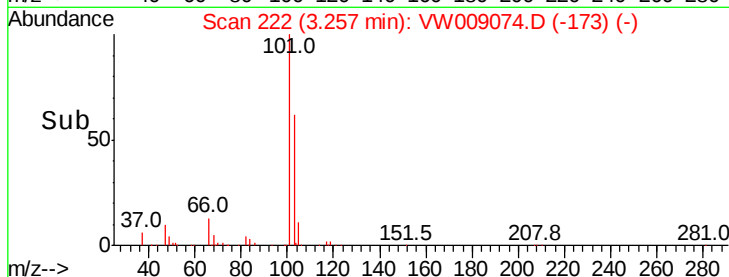
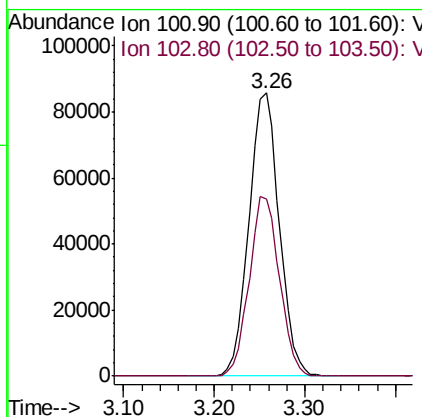
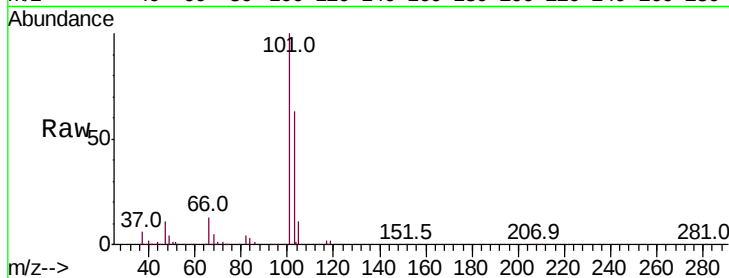
Trichlorofluoromethane
Concen: 47.027 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	49.9	74.9

Manual Integrations
APPROVED

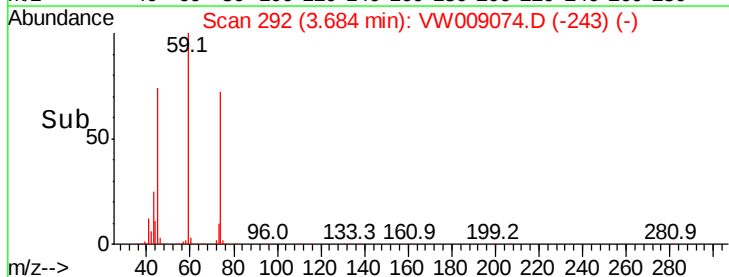
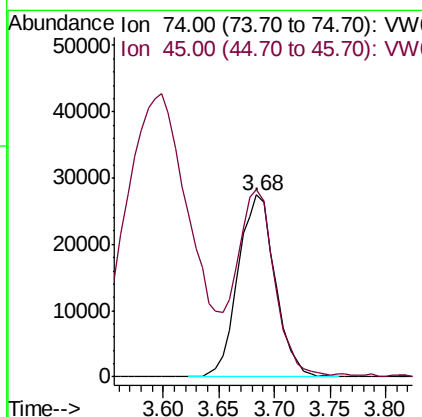
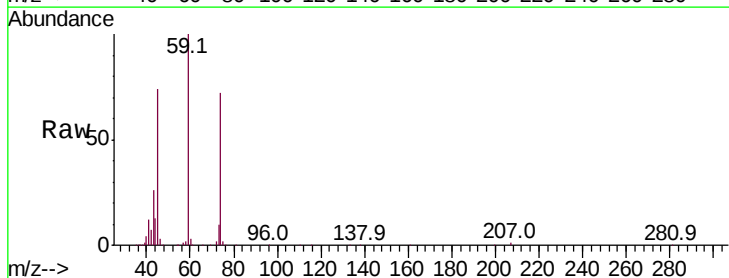
MMDadoda
3/11/2019 2:53:34 PM

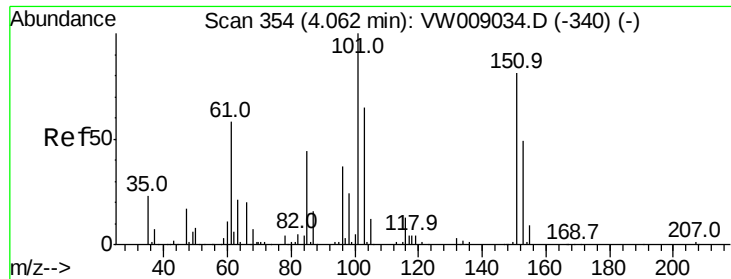


#8

Diethyl Ether
Concen: 49.167 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.104 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

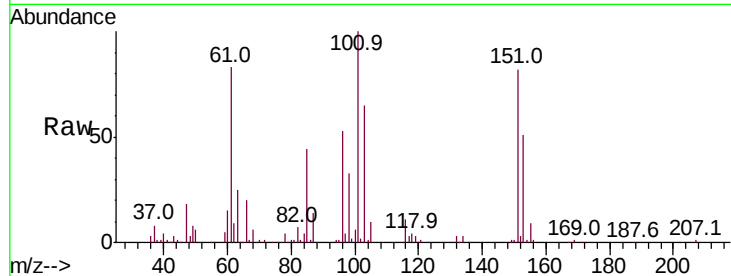
ClientSampleId :

SD2-0.5-1.0MS

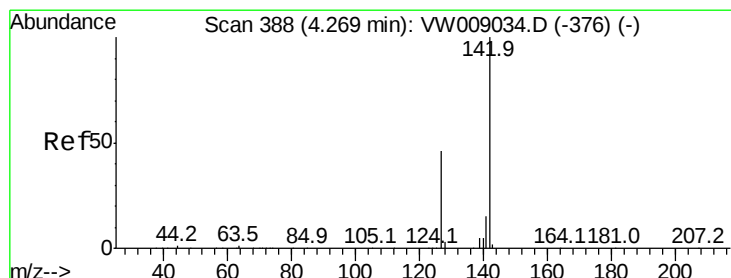
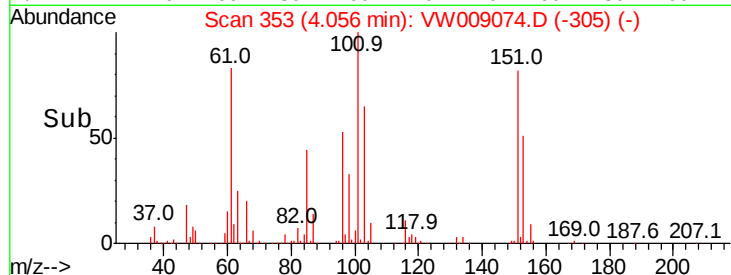
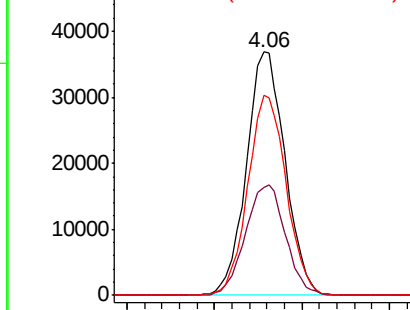
Tot Ion:	101	Resp:	113353
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.2	54.4
151	81.6	63.4	95.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.965 ug/l

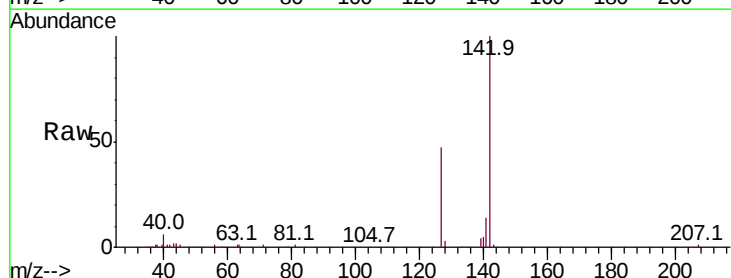
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

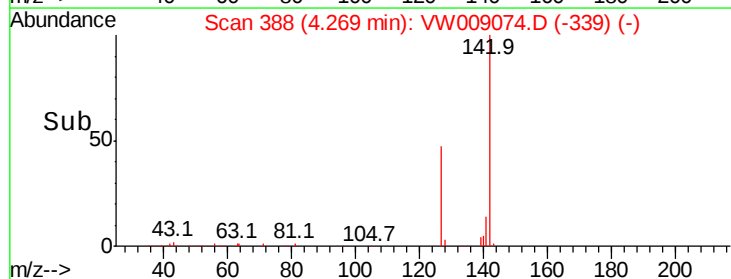
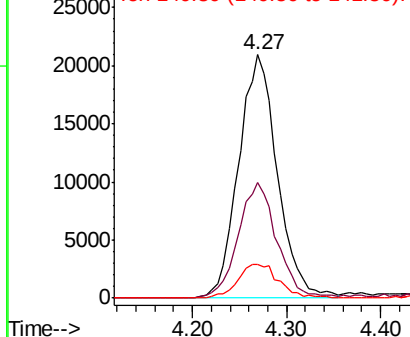
Lab File: VW009074.D

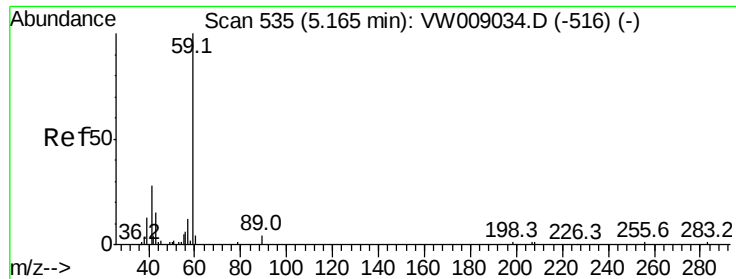
Acq: 08 Mar 2019 23:59

Tgt Ion:	142	Resp:	60259
Ion Ratio	Lower	Upper	
142	100		
127	47.2	35.8	53.6
141	14.8	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

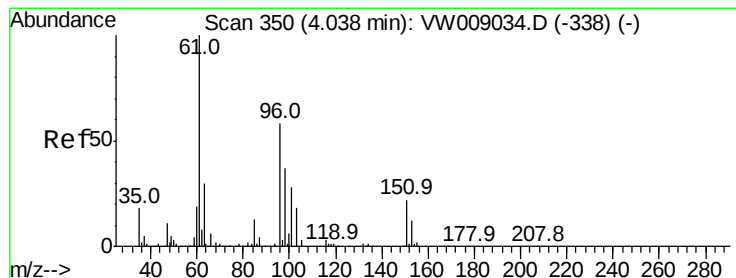
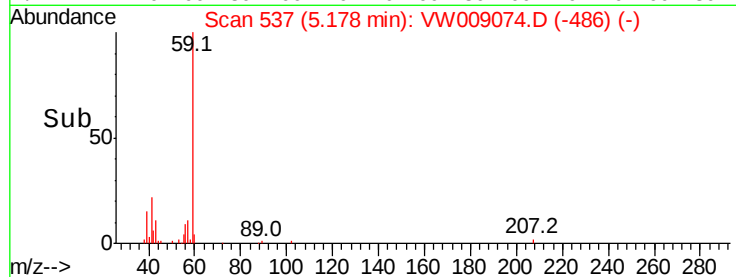
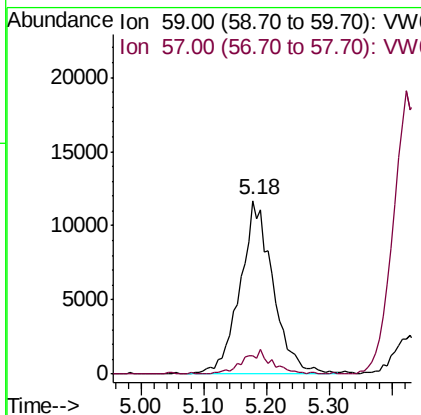
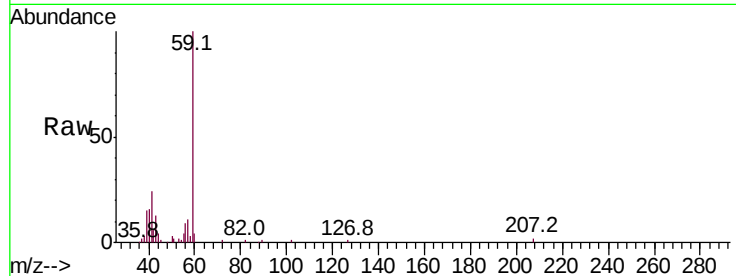
Tert butyl alcohol
Concen: 218.912 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.6	12.8

Manual Integrations
APPROVED

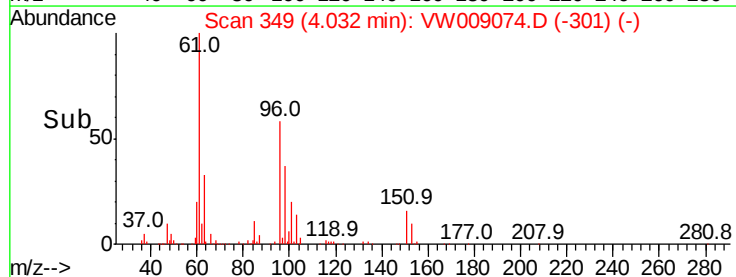
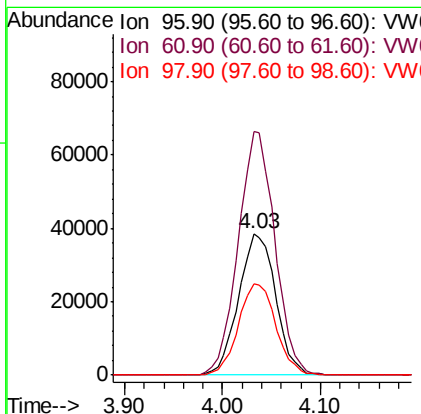
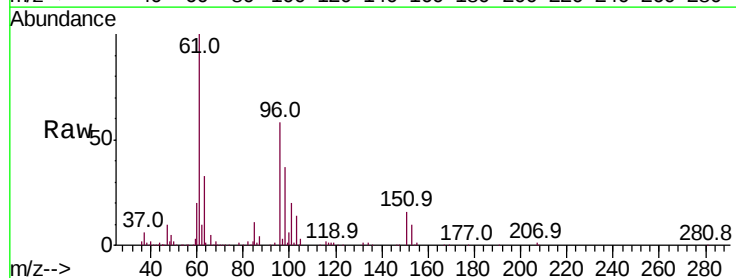
MMDadoda
3/11/2019 2:53:34 PM

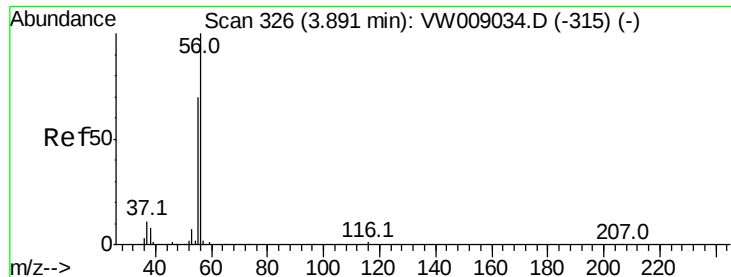


#12

1,1-Dichloroethene
Concen: 44.902 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	138.2	207.2
98	64.1	51.3	76.9





#13

Acrolein

Concen: 63.876 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 56 Resp: 13678

Ion Ratio Lower Upper

56 100

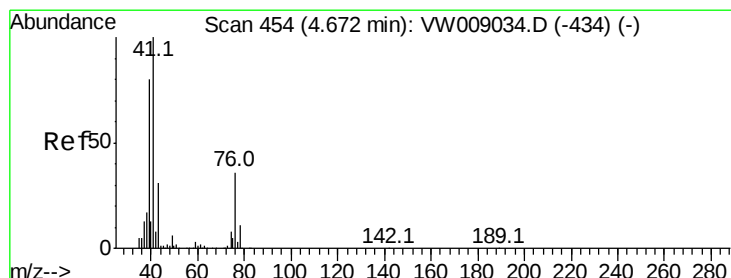
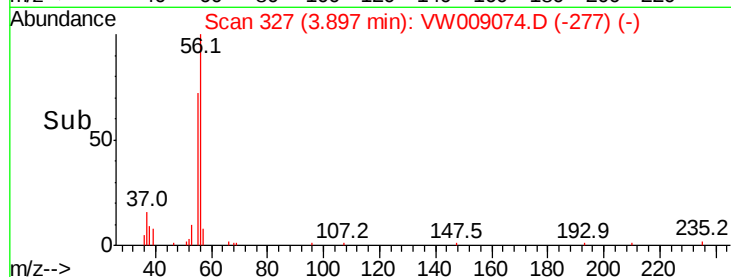
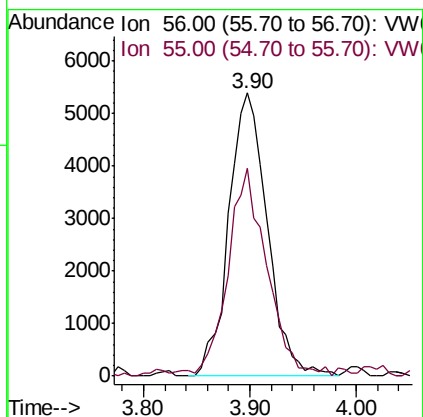
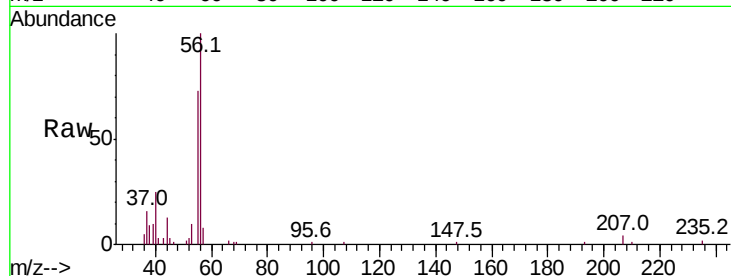
55 74.7 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#14

Allyl chloride

Concen: 44.317 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

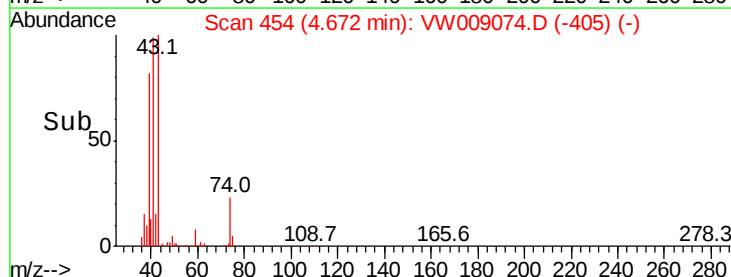
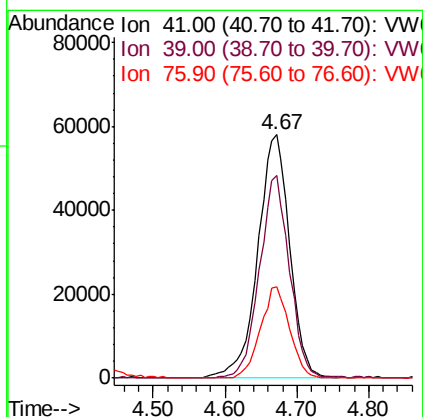
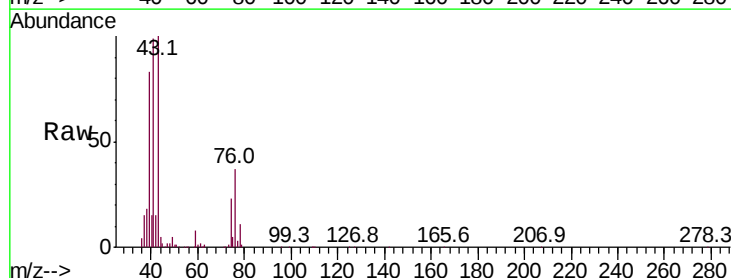
Tgt Ion: 41 Resp: 177325

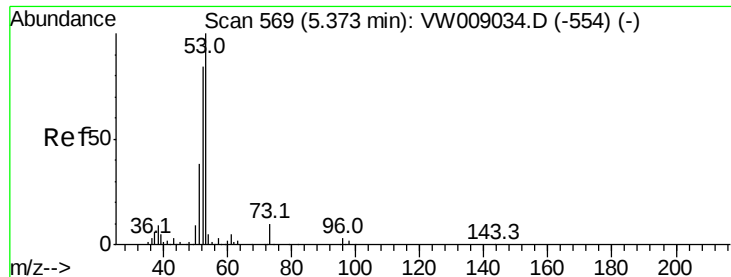
Ion Ratio Lower Upper

41 100

39 78.6 63.0 94.4

76 34.5 28.2 42.2





#15

Acrylonitrile

Concen: 243.964 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

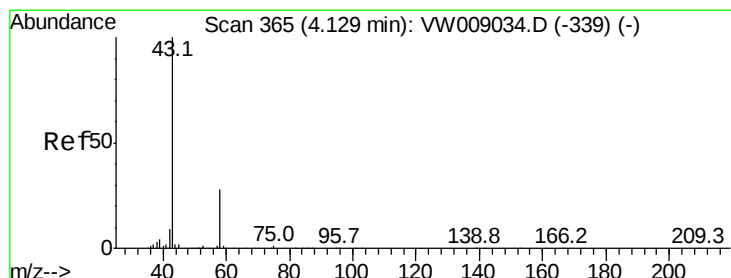
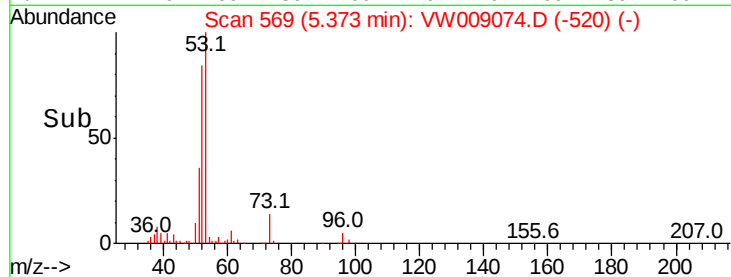
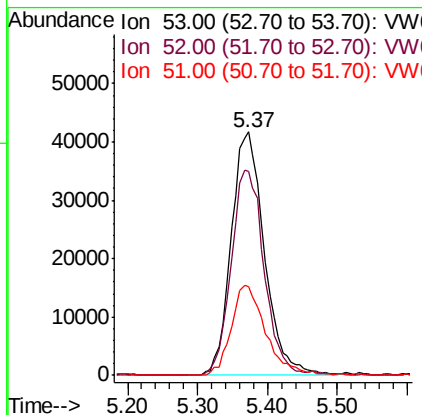
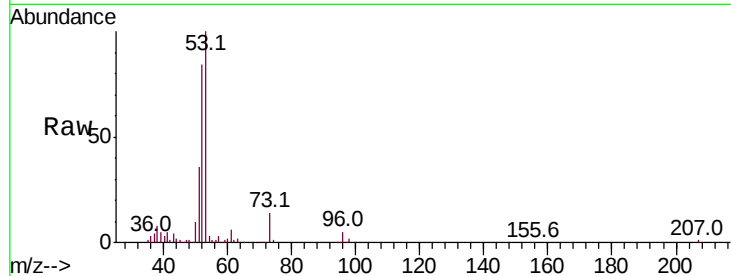
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:	53	Resp:	137469
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.2	100.8
51	38.4	31.8	47.6

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#16

Acetone

Concen: 187.364 ug/l

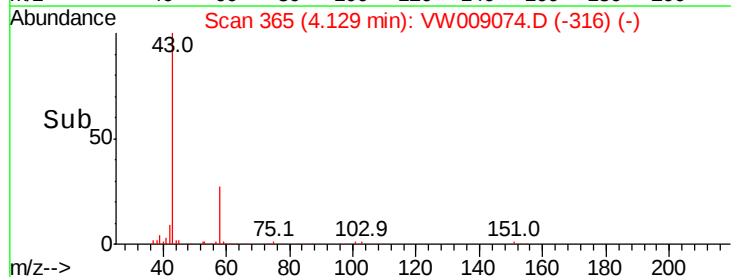
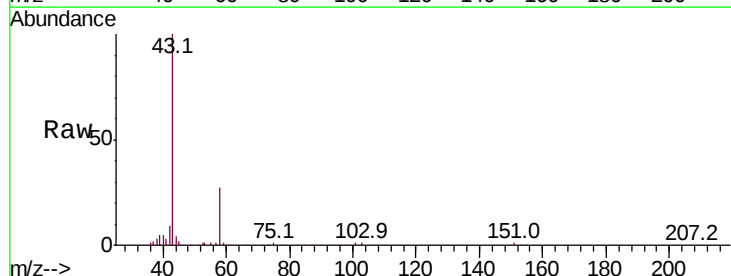
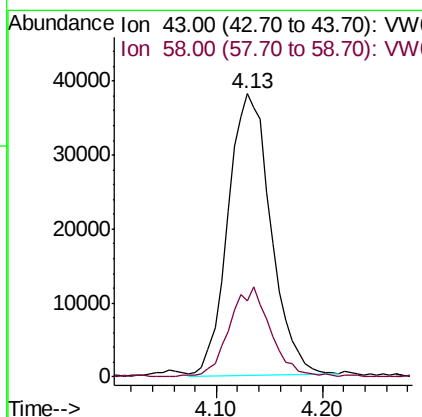
RT: 4.13 min Scan# 365

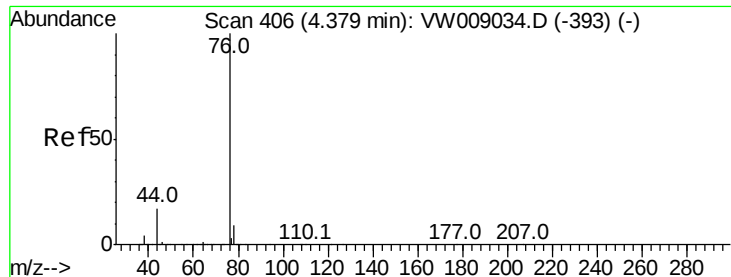
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion:	43	Resp:	107366
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.5	33.7





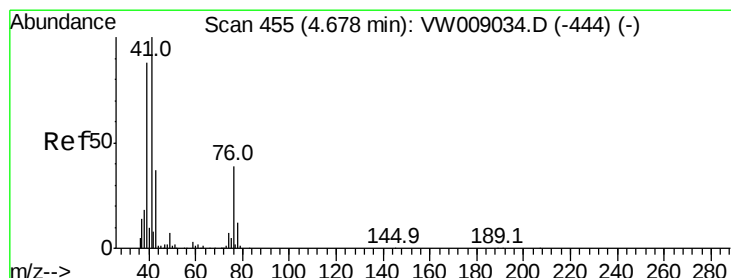
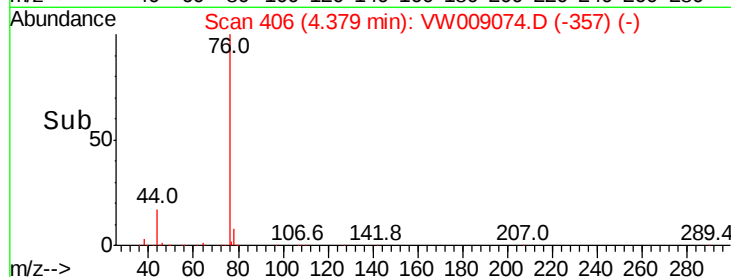
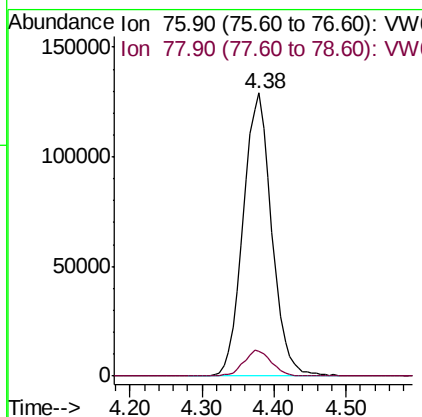
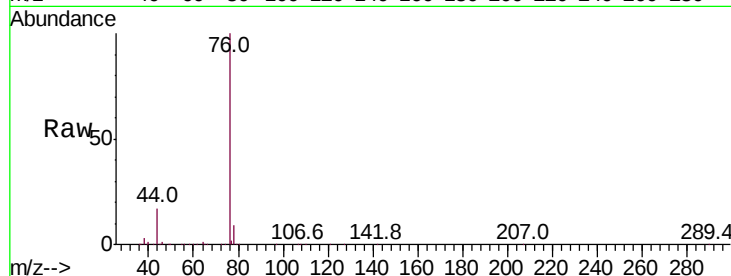
#17
Carbon Disulfide
Concen: 46.594 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampled :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

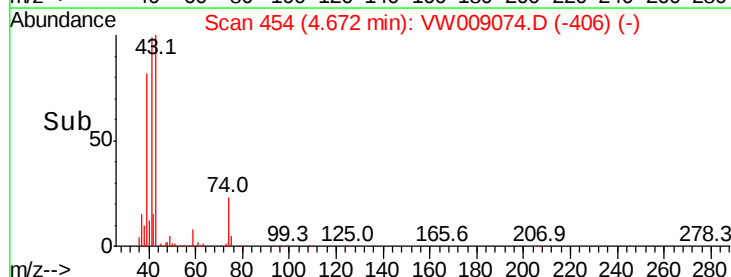
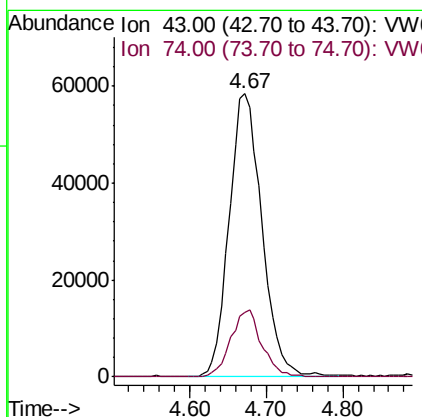
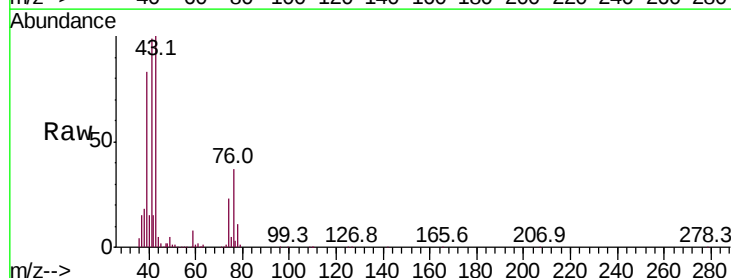
Manual Integrations
APPROVED

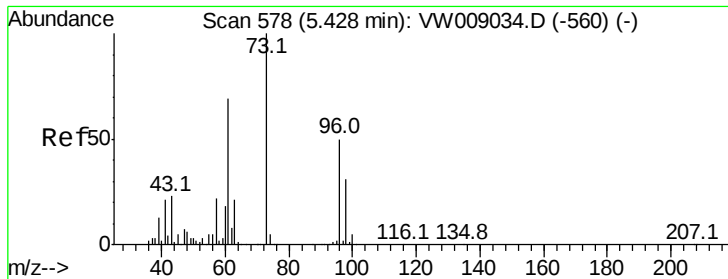
MMDadoda
3/11/2019 2:53:34 PM



#18
Methyl Acetate
Concen: 132.038 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.6	26.4





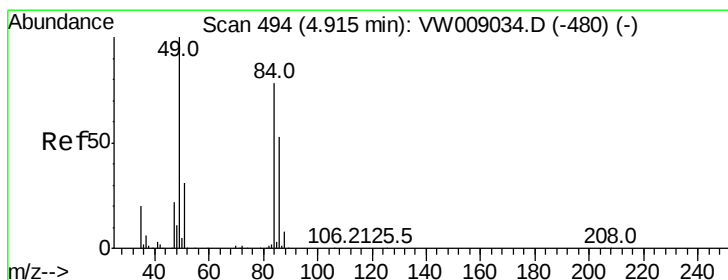
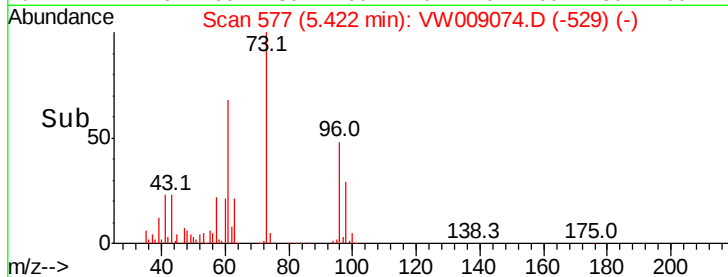
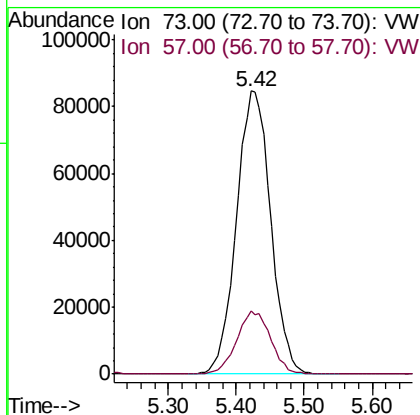
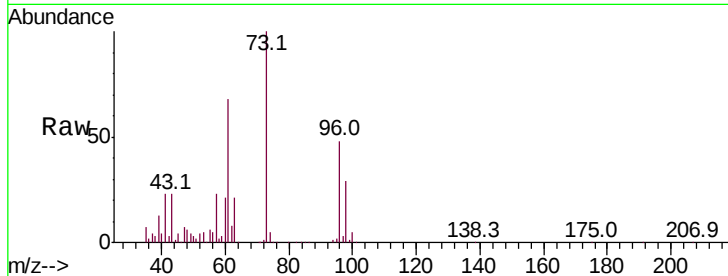
#19
Methyl tert-butyl Ether
Concen: 49.299 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion: 73 Resp: 295827
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9

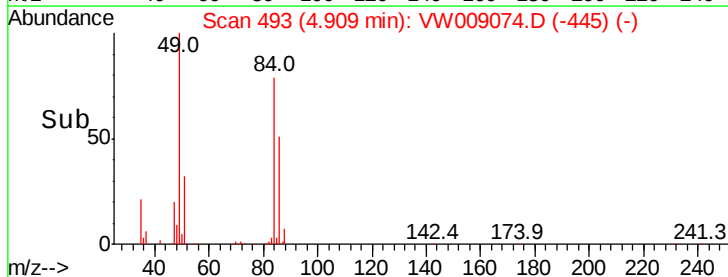
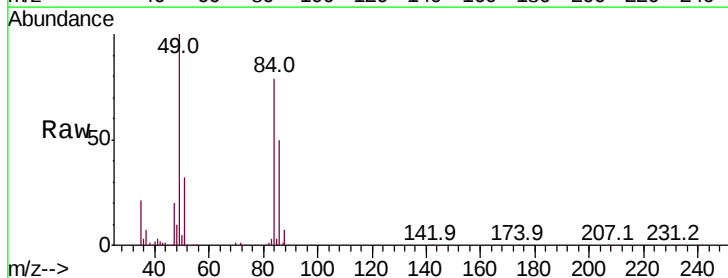
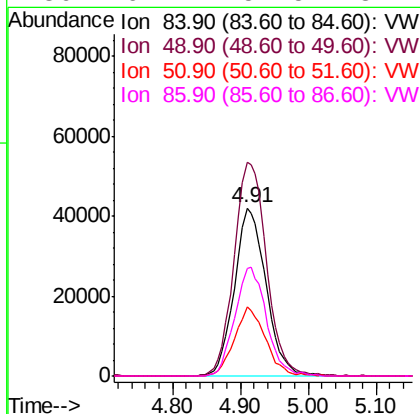
Manual Integrations
APPROVED

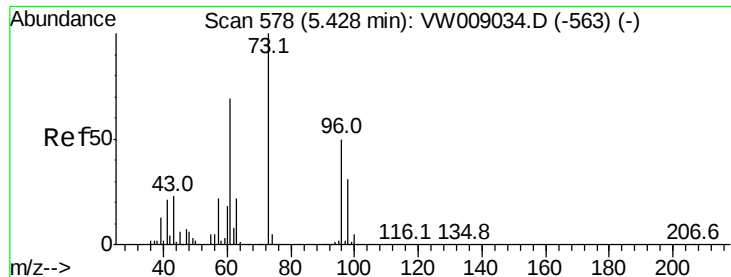
MMDadoda
3/11/2019 2:53:34 PM



#20
Methylene Chloride
Concen: 50.350 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 84 Resp: 135623
Ion Ratio Lower Upper
84 100
49 127.1 102.4 153.6
51 41.2 31.6 47.4
86 64.2 54.5 81.7





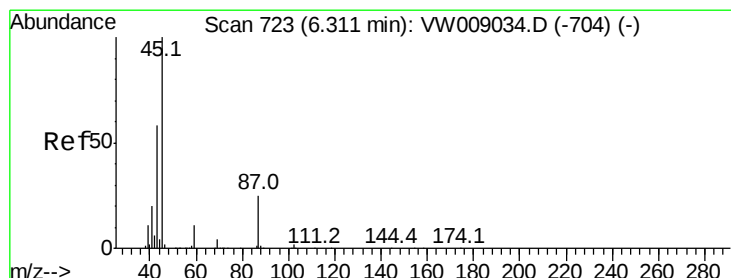
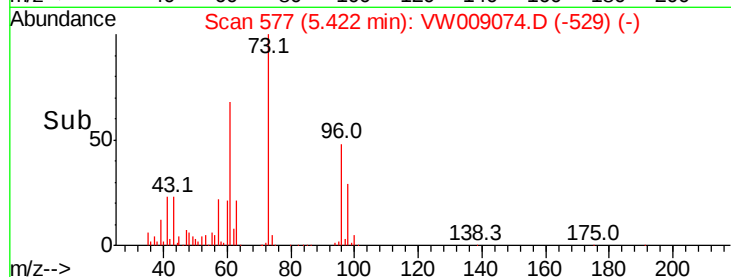
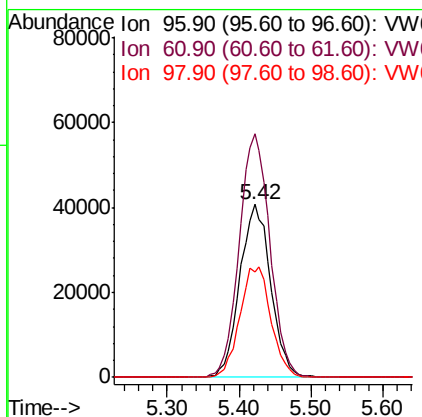
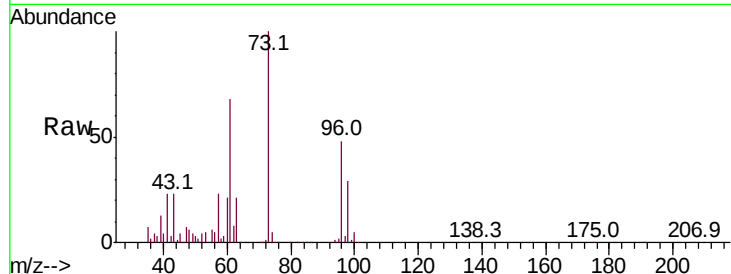
#21
trans-1,2-Dichloroethene
Concen: 46.232 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	111.0	166.6
98	60.8	49.4	74.0

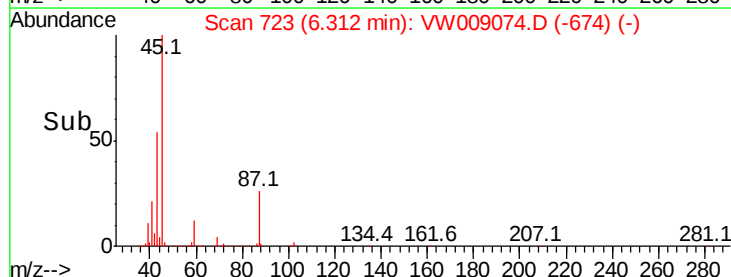
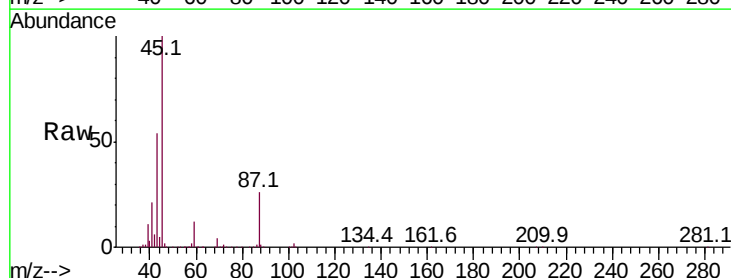
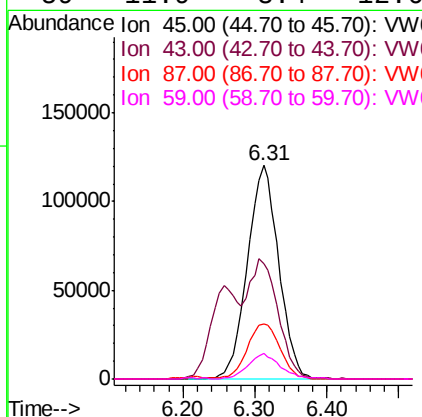
Manual Integrations
APPROVED

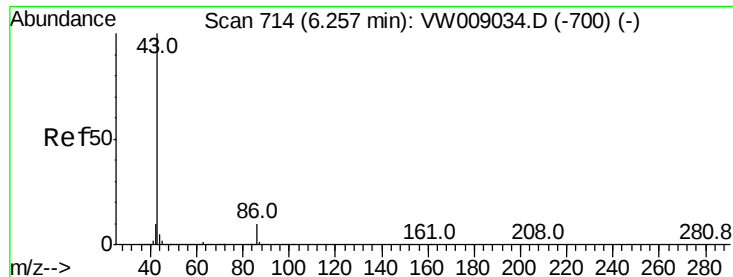
MMDadoda
3/11/2019 2:53:34 PM



#22
Diisopropyl ether
Concen: 45.735 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.5	46.2	69.4
87	25.7	20.1	30.1
59	11.9	8.4	12.6





#23

Vinyl Acetate

Concen: 29.193 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 43 Resp: 144458

Ion Ratio Lower Upper

43 100

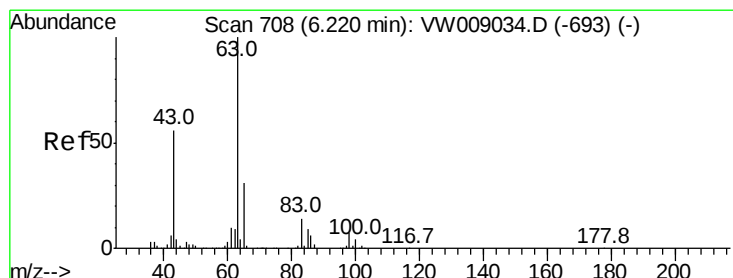
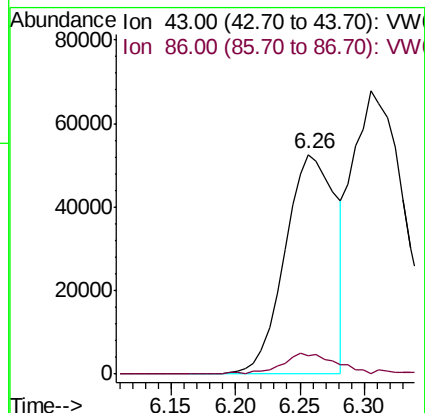
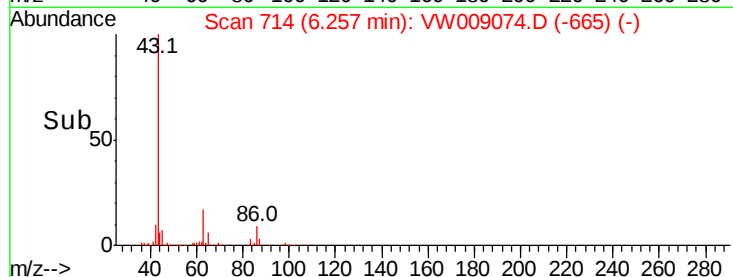
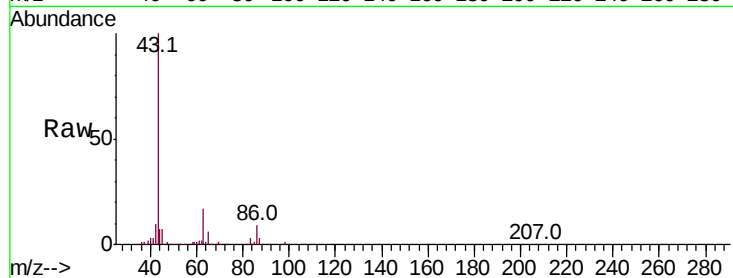
86 8.6 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#24

1,1-Dichloroethane

Concen: 46.578 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

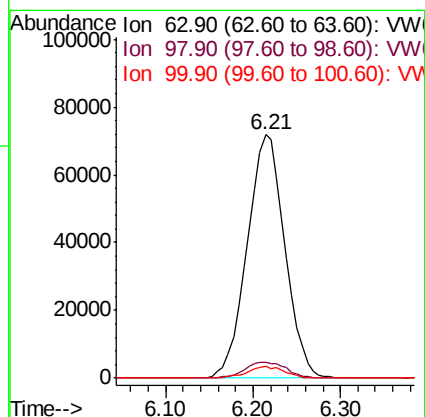
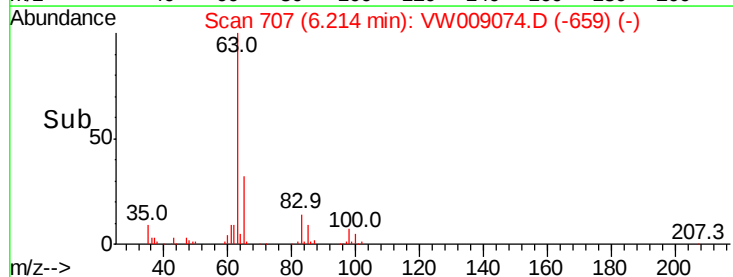
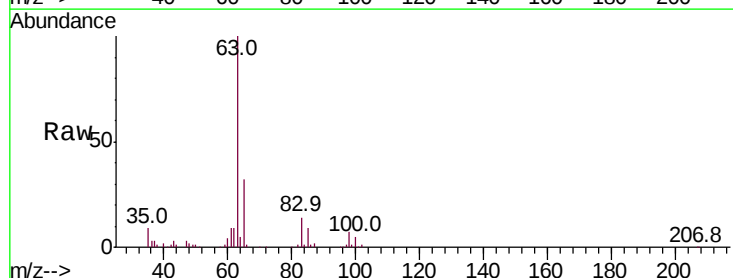
Tgt Ion: 63 Resp: 214825

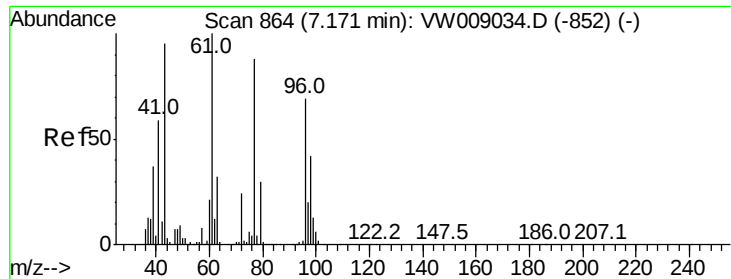
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 221.807 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 43 Resp: 175659

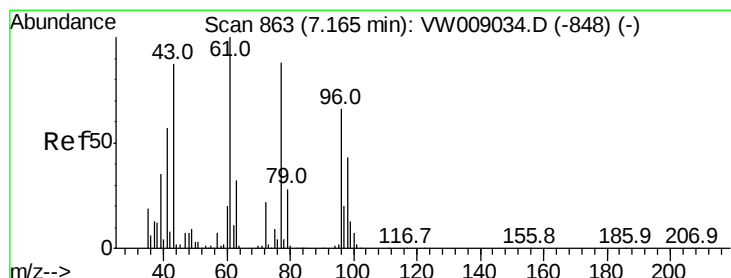
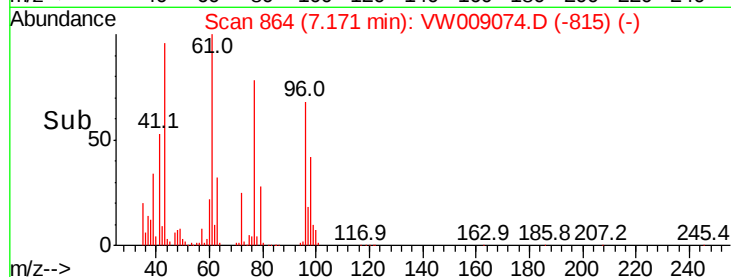
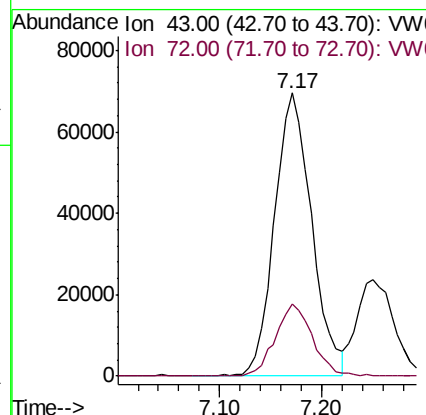
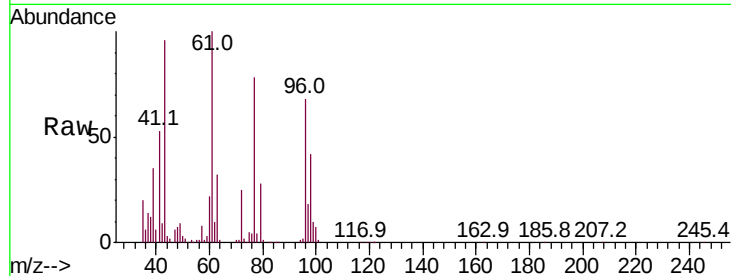
Ion Ratio Lower Upper

43 100

72 25.6 20.0 30.0

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#26

2,2-Dichloropropane

Concen: 41.172 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009074.D

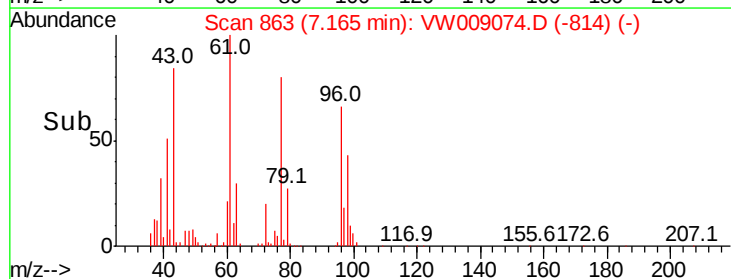
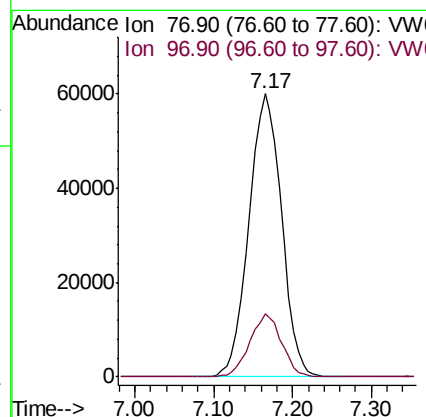
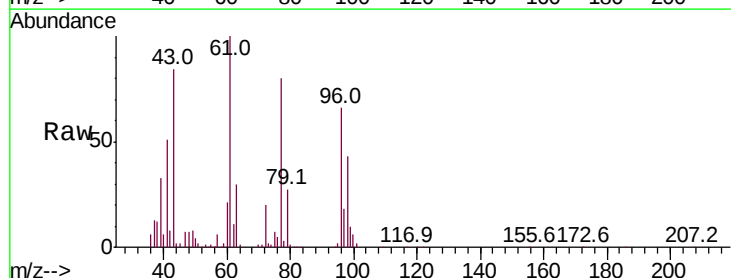
Acq: 08 Mar 2019 23:59

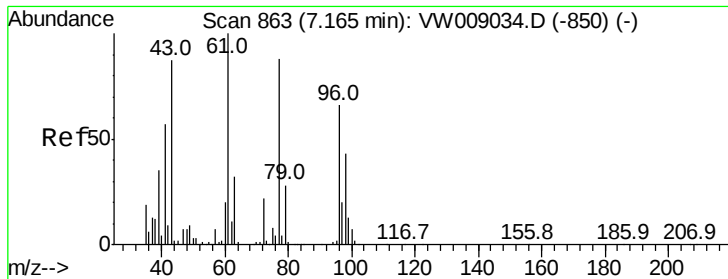
Tgt Ion: 77 Resp: 172605

Ion Ratio Lower Upper

77 100

97 21.6 10.9 32.9





#27

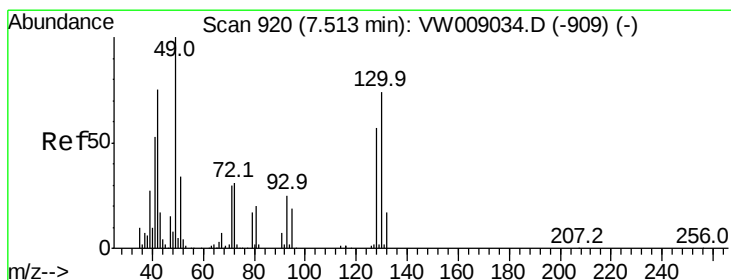
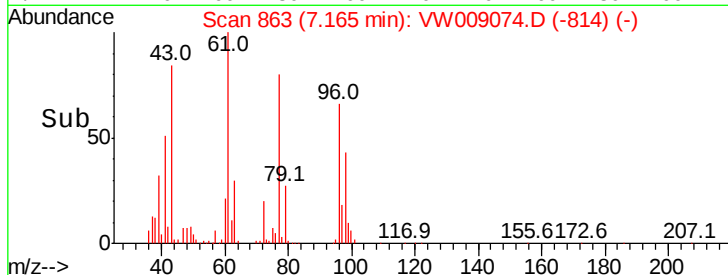
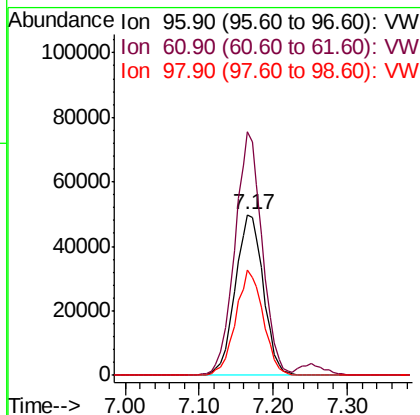
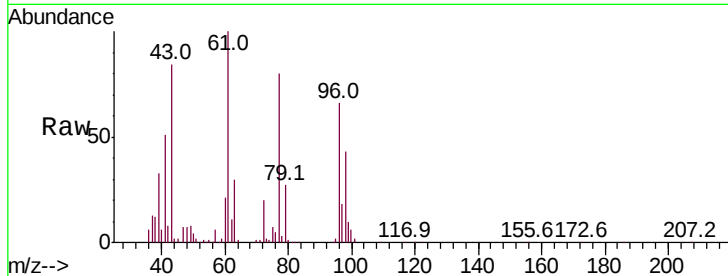
cis-1,2-Dichloroethene
 Concen: 46.697 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	299.8
98	64.0	0.0	127.2

Manual Integrations
 APPROVED

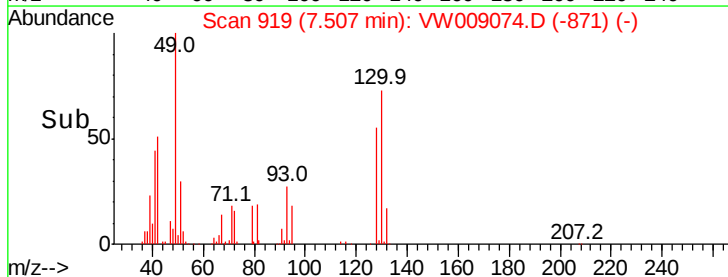
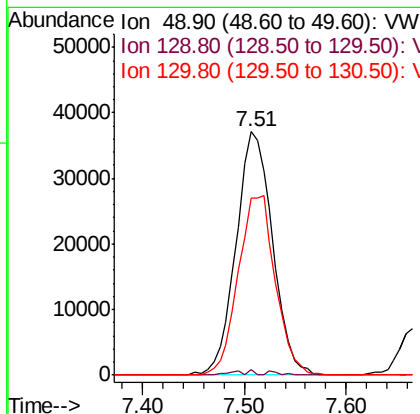
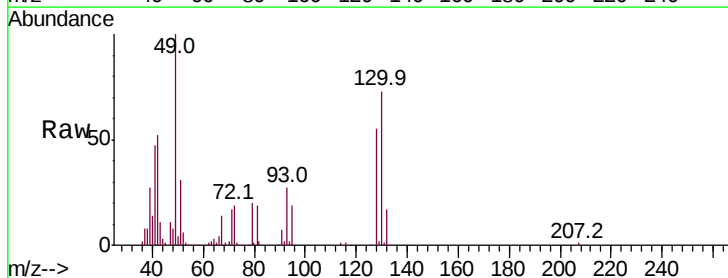
MMDadoda
 3/11/2019 2:53:34 PM

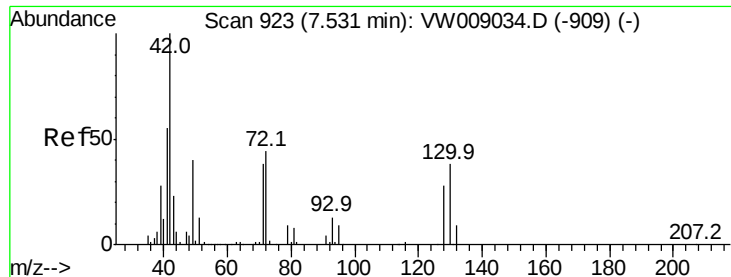


#28

Bromochloromethane
 Concen: 48.075 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	75.2	60.4	90.6





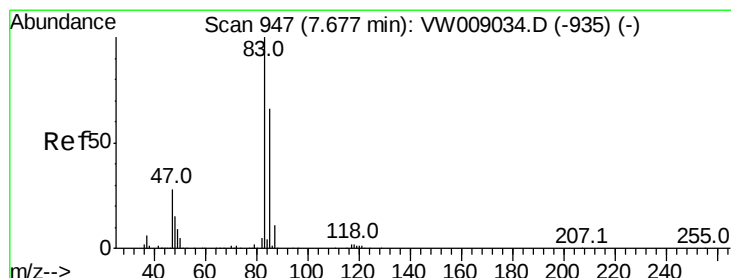
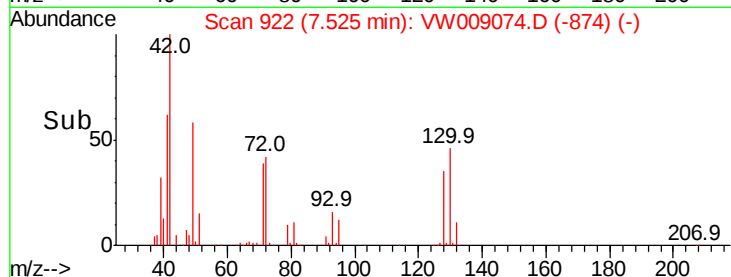
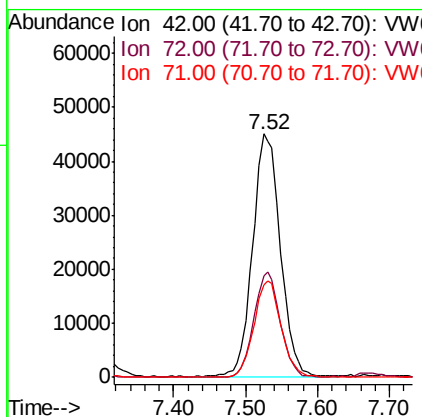
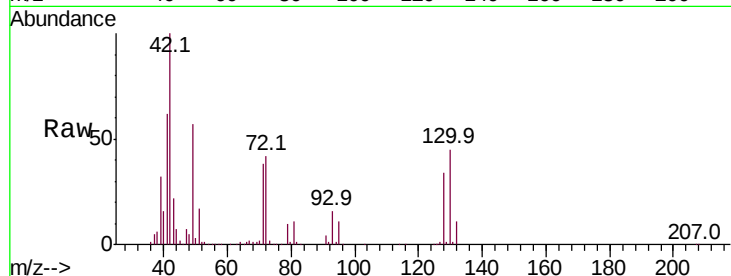
#29
Tetrahydrofuran
Concen: 241.818 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.2	48.4
71	38.8	30.7	46.1

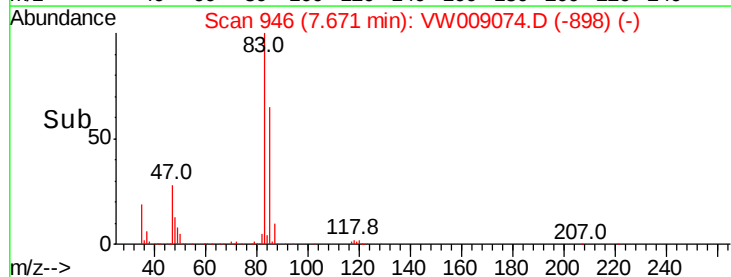
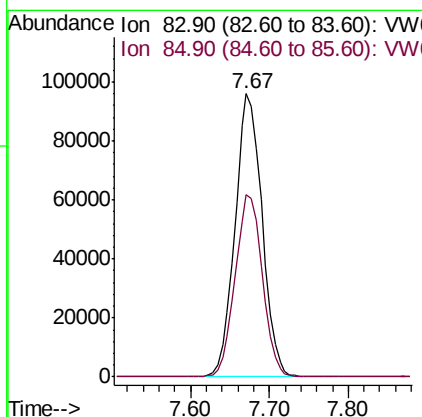
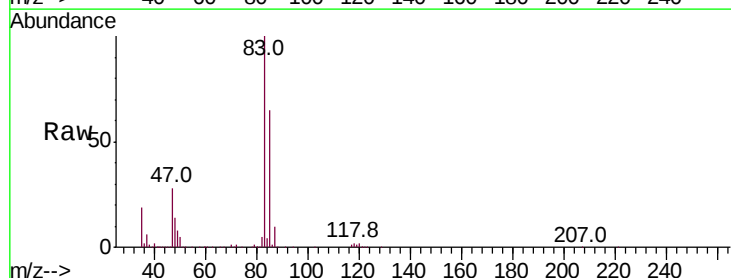
Manual Integrations
APPROVED

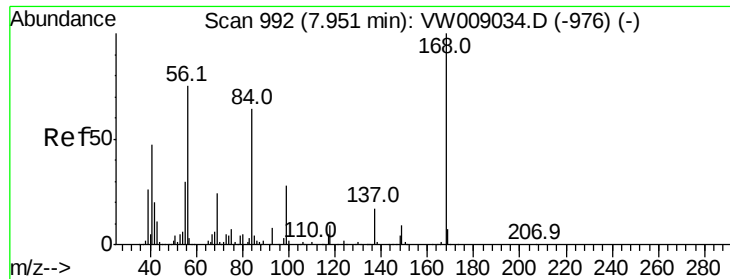
MMDadoda
3/11/2019 2:53:34 PM



#30
Chloroform
Concen: 48.269 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.0	79.6





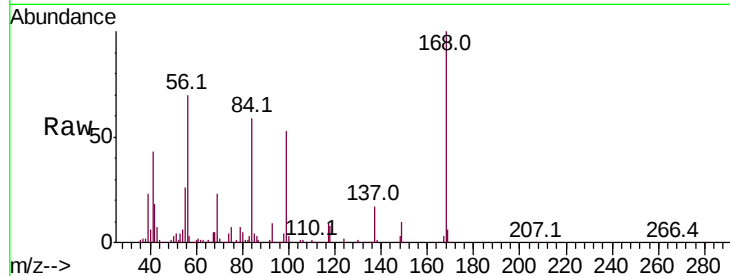
#31
Cyclohexane
Concen: 40.447 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampled :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.5	38.3
84	82.2	68.6	103.0

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM

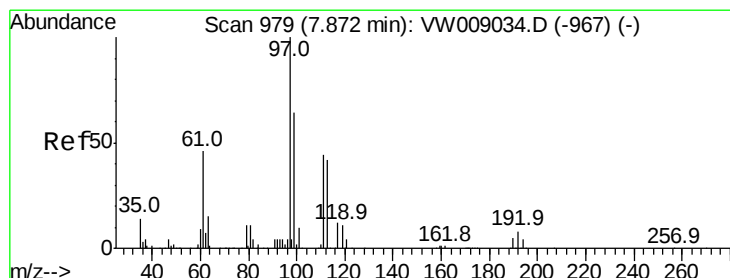
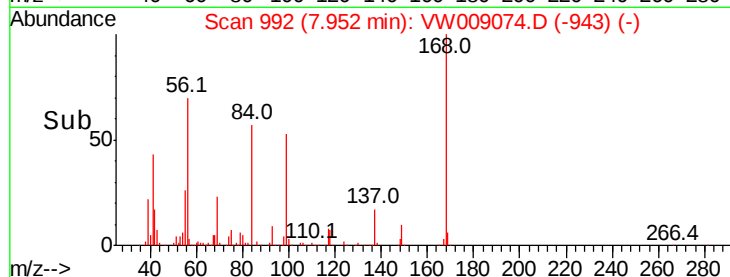
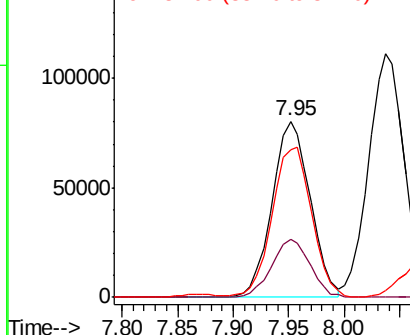


Abundance

Ion 56.00 (55.70 to 56.70): VW

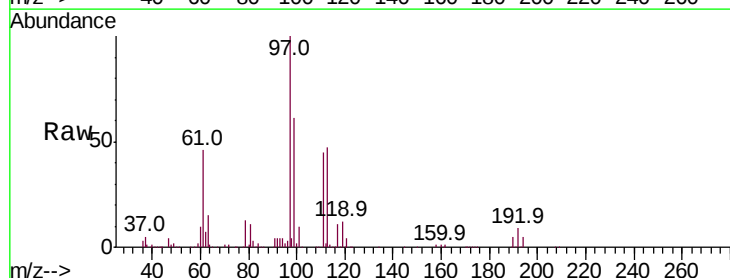
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 46.419 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.8
61	46.2	37.3	55.9

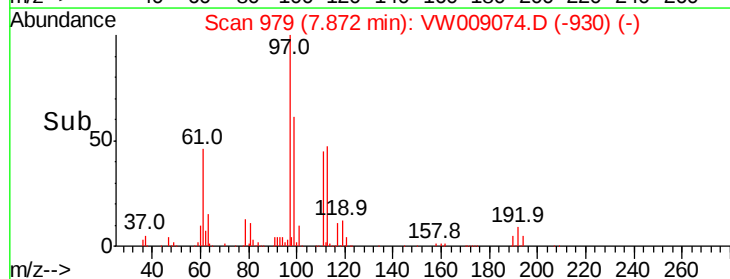
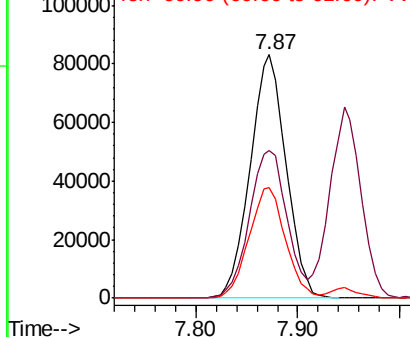


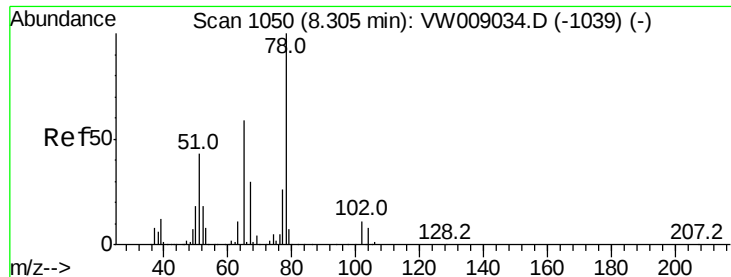
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 51.754 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 65 Resp: 131423

Ion Ratio Lower Upper

65 100

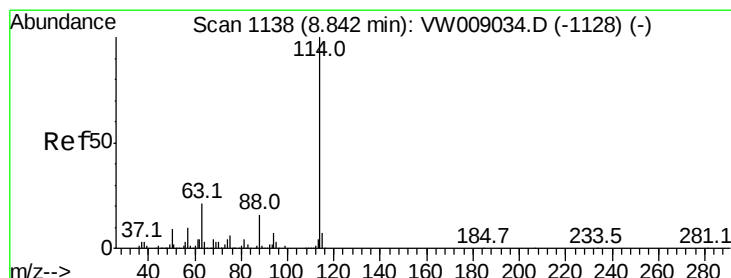
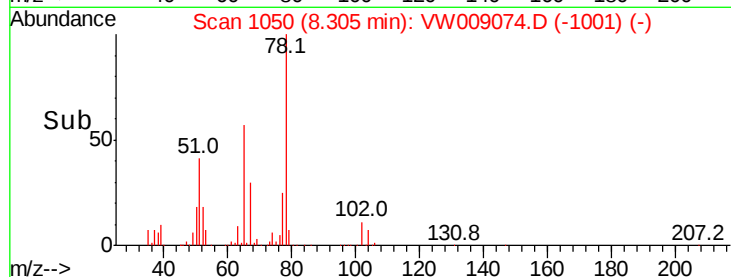
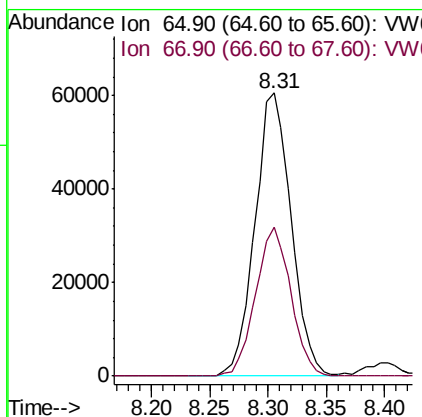
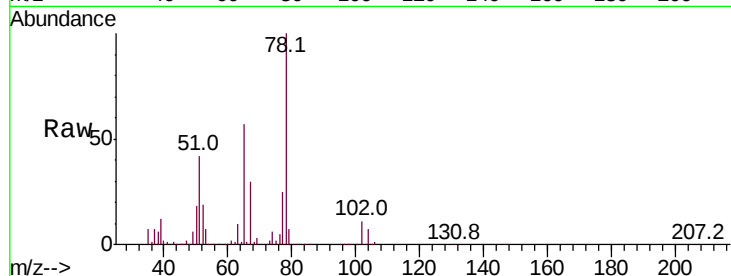
67 51.4 0.0 103.0

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

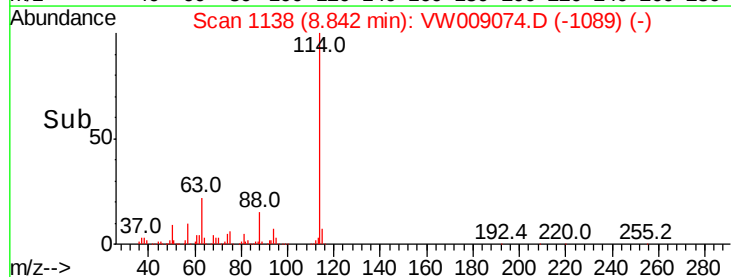
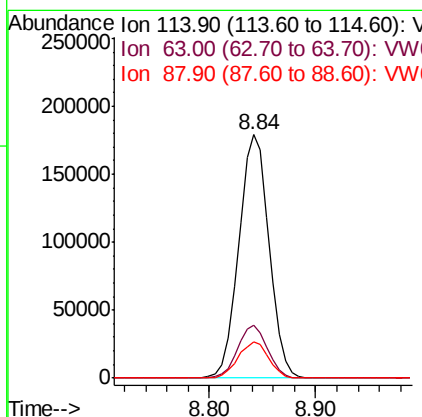
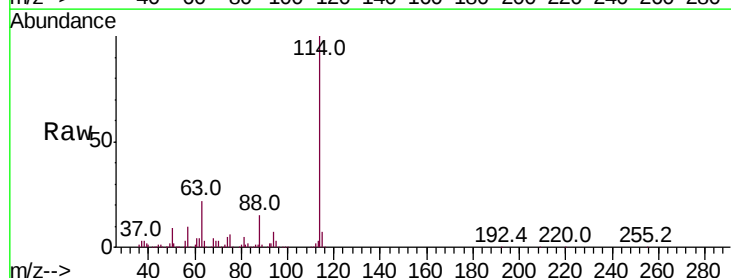
Tgt Ion: 114 Resp: 357304

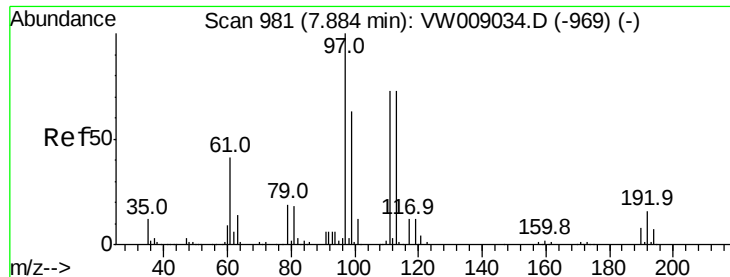
Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.2

88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.460 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

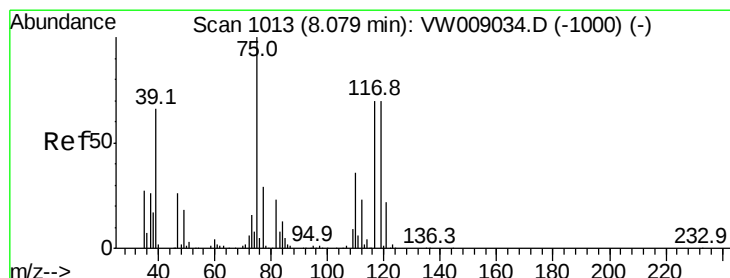
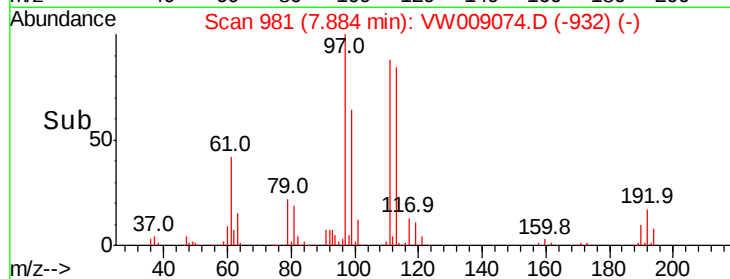
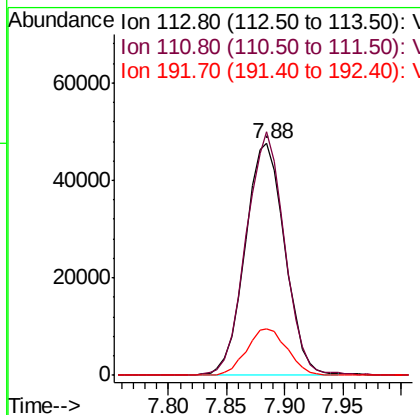
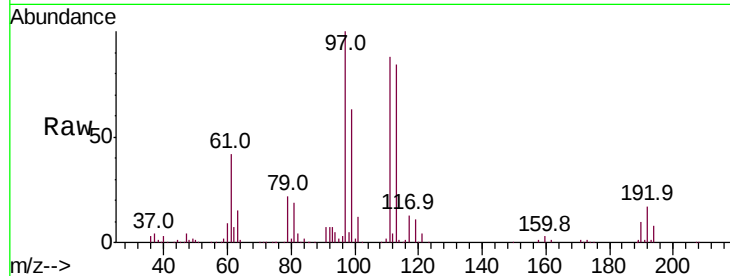
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:	113	Resp:	112857
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.0	121.4
192	20.6	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#36

1,1-Dichloropropene

Concen: 45.913 ug/l

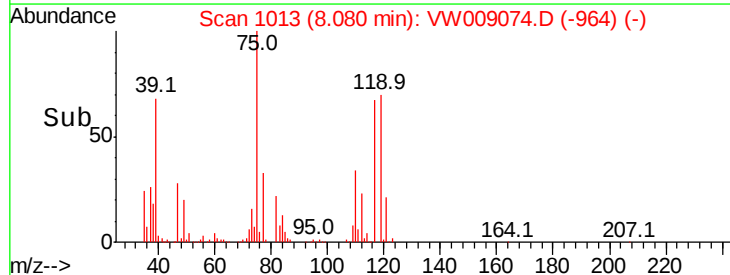
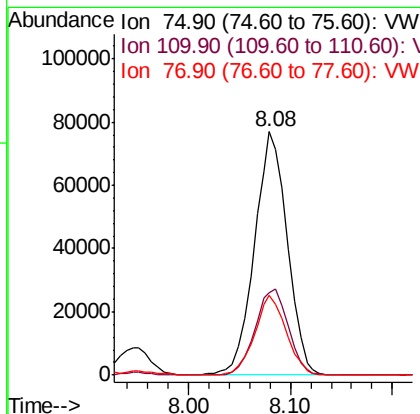
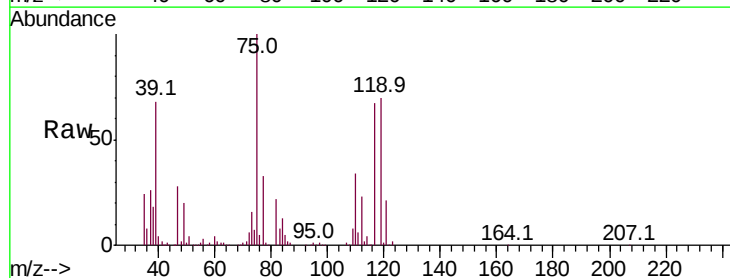
RT: 8.08 min Scan# 1013

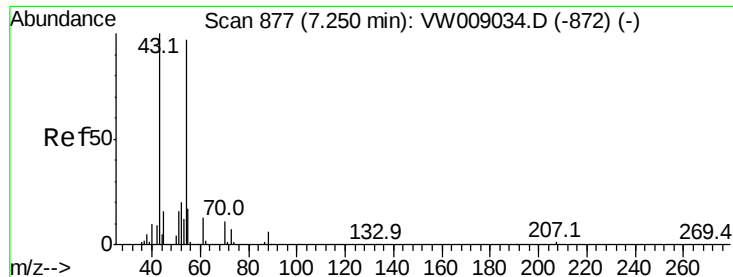
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion:	75	Resp:	171533
Ion Ratio	Lower	Upper	
75	100		
110	35.7	17.6	52.9
77	31.8	25.1	37.7





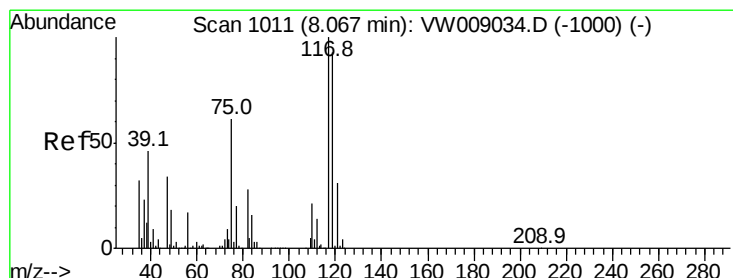
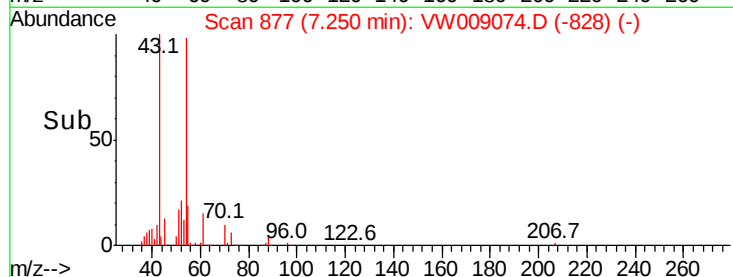
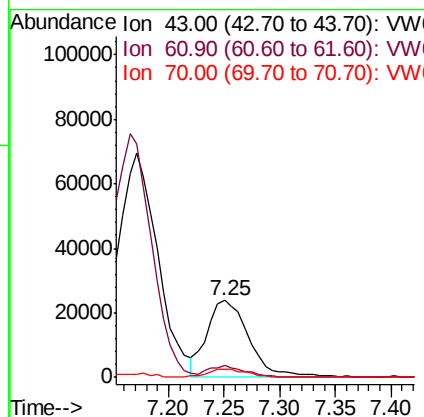
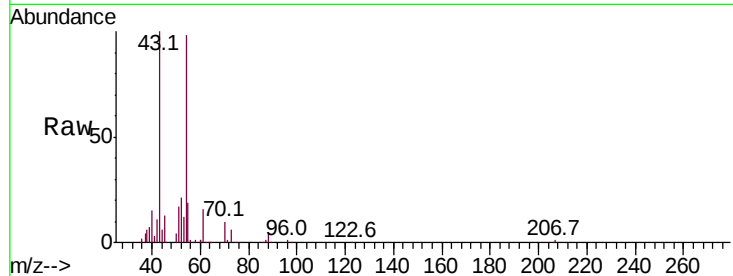
#37
Ethyl Acetate
Concen: 34.714 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.6
70	10.1	7.2	10.8

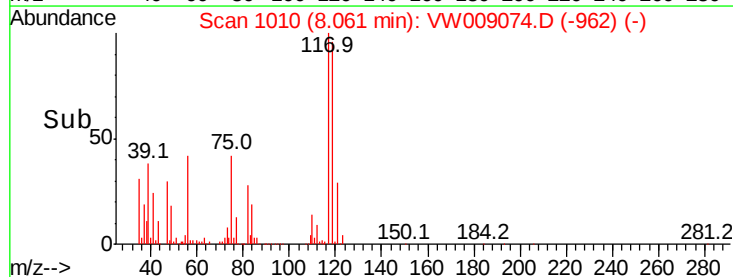
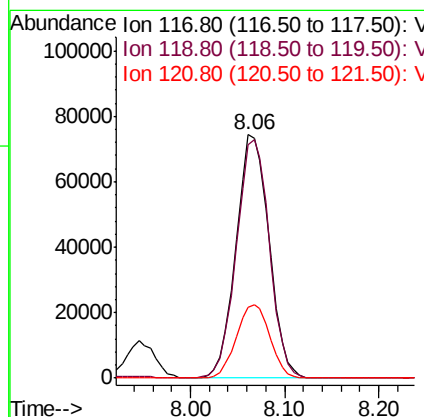
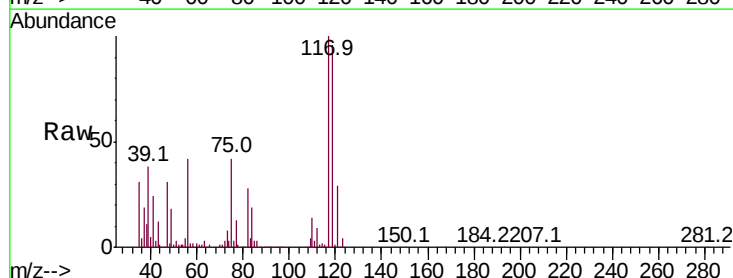
Manual Integrations
APPROVED

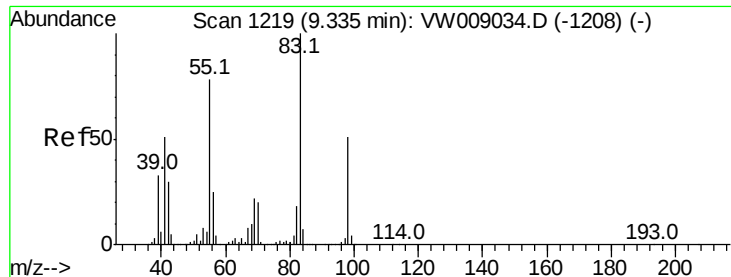
MMDadoda
3/11/2019 2:53:34 PM



#38
Carbon Tetrachloride
Concen: 47.192 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	74.6	112.0
121	29.3	24.7	37.1





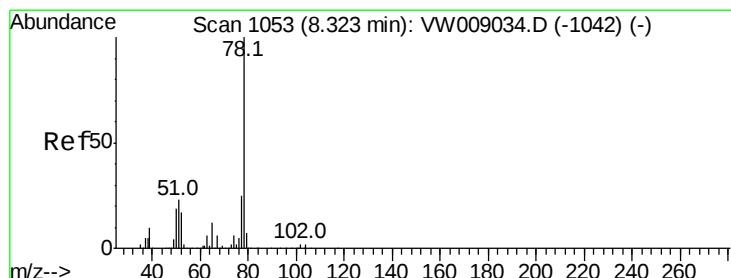
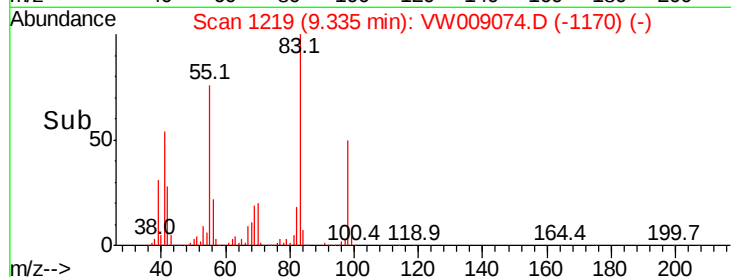
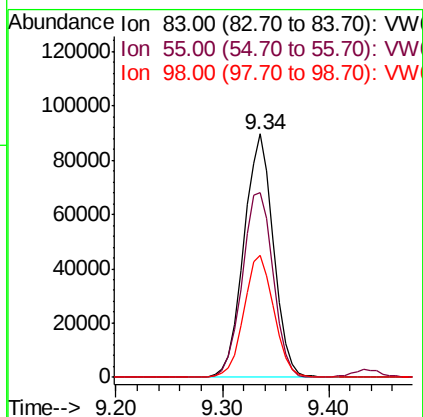
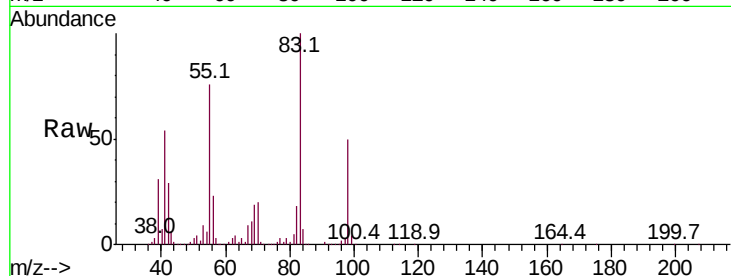
#39
Methvlcvclohexane
Concen: 39.335 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.7	94.1
98	50.3	40.8	61.2

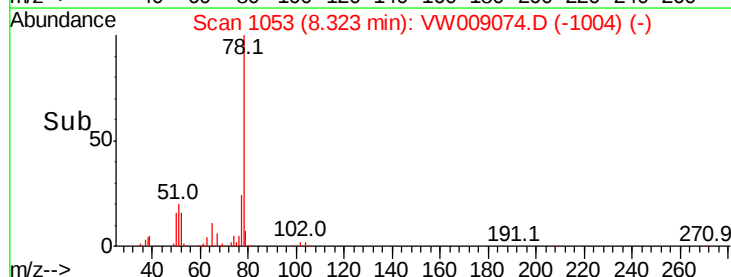
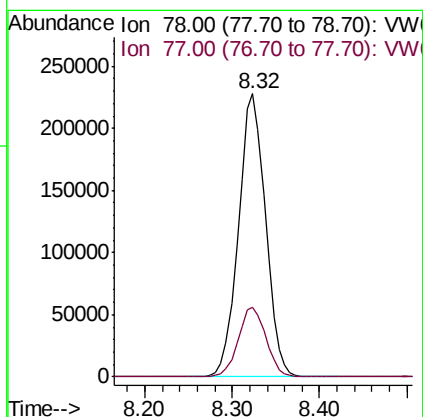
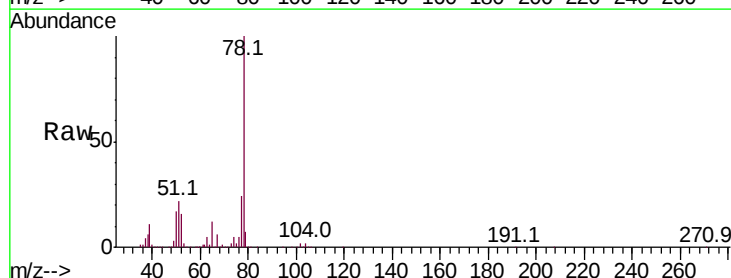
Manual Integrations
APPROVED

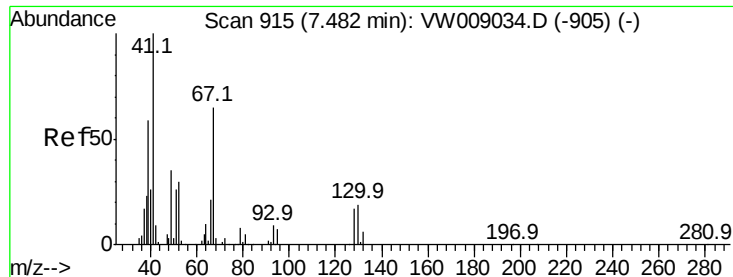
MMDadoda
3/11/2019 2:53:34 PM



#40
Benzene
Concen: 49.055 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.2	30.4





#41

Methacrylonitrile

Concen: 45.530 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 41 Resp: 44369

Ion Ratio Lower Upper

41 100

39 49.9 53.6 80.4#

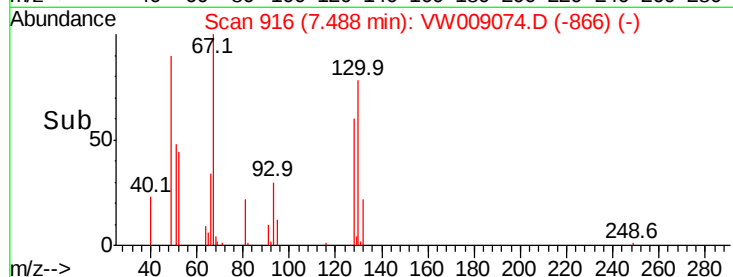
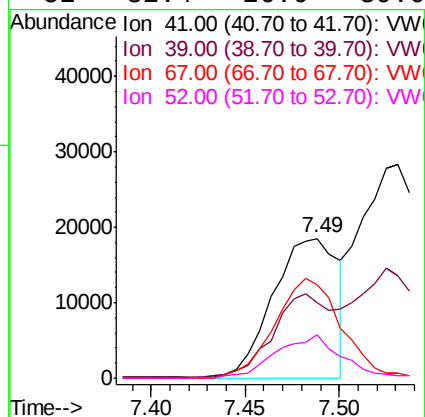
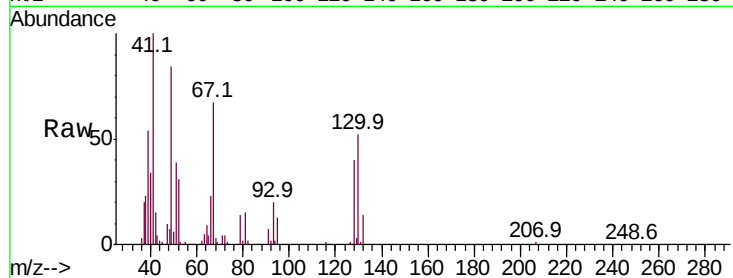
67 73.3 57.6 86.4

52 32.4 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#42

1,2-Dichloroethane

Concen: 48.690 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW009074.D

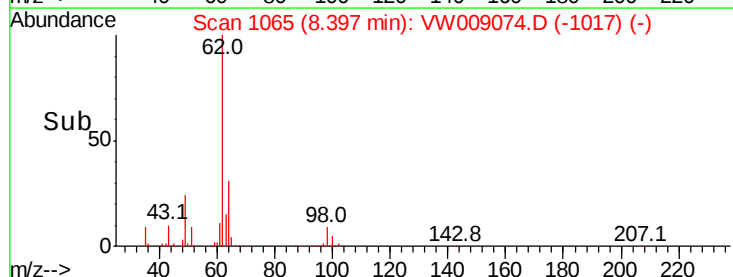
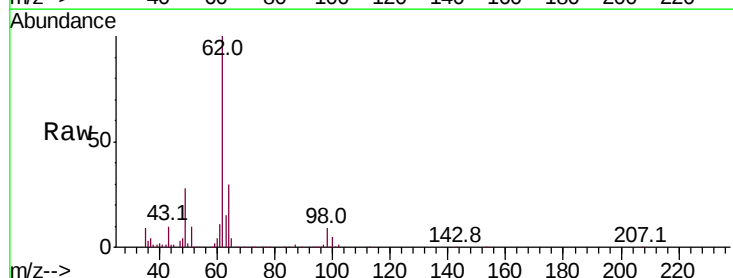
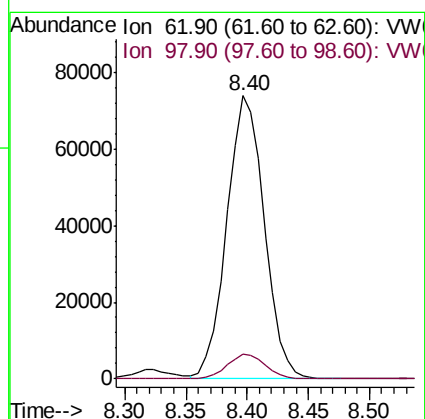
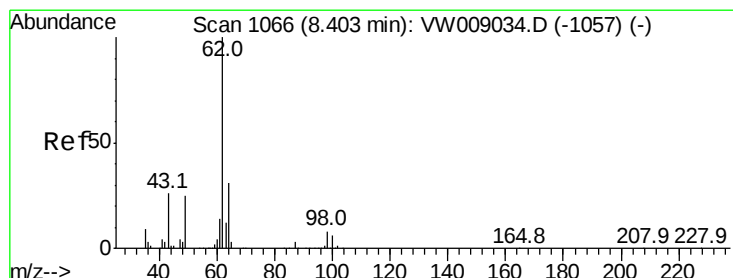
Acq: 08 Mar 2019 23:59

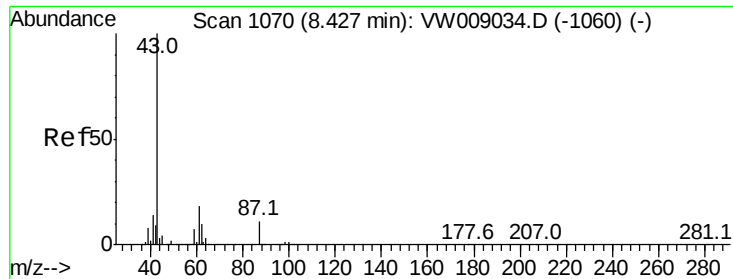
Tgt Ion: 62 Resp: 156769

Ion Ratio Lower Upper

62 100

98 9.0 0.0 17.6





#43

Isopropyl Acetate

Concen: 39.398 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

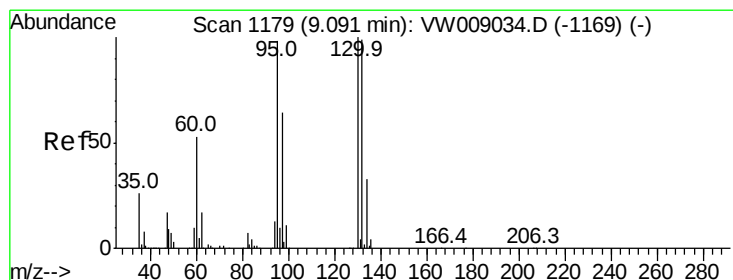
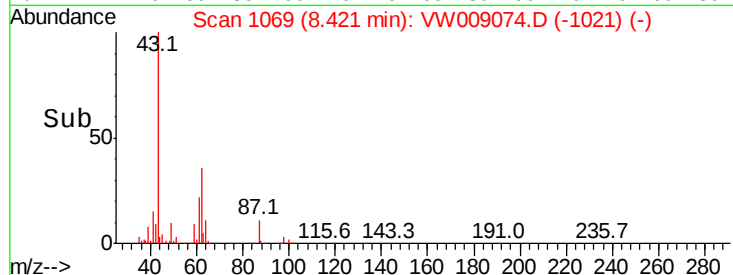
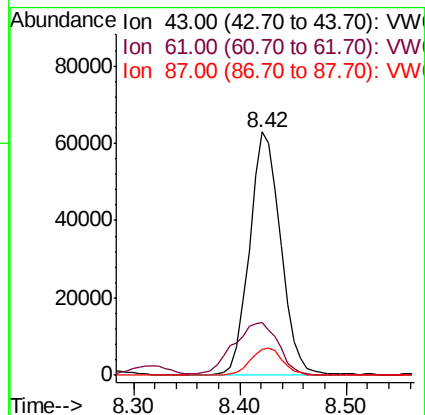
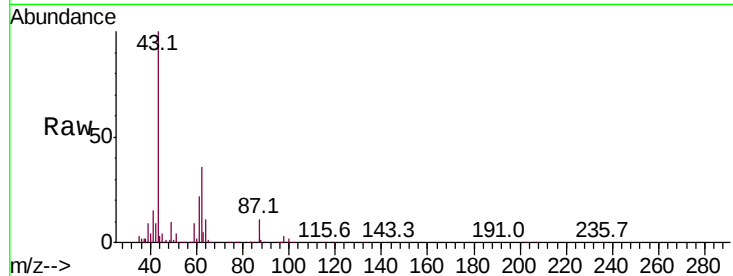
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:	43	Resp:	128766
Ion	Ratio	Lower	Upper
43	100		
61	31.3	22.8	34.2
87	12.0	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#44

Trichloroethene

Concen: 46.931 ug/l

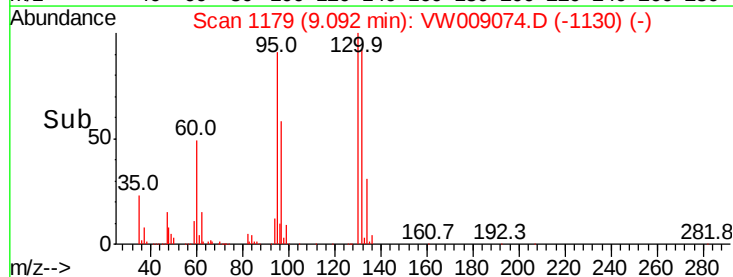
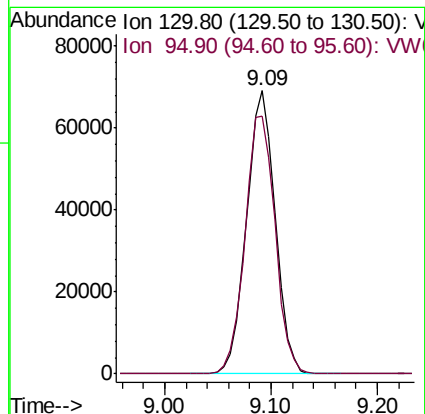
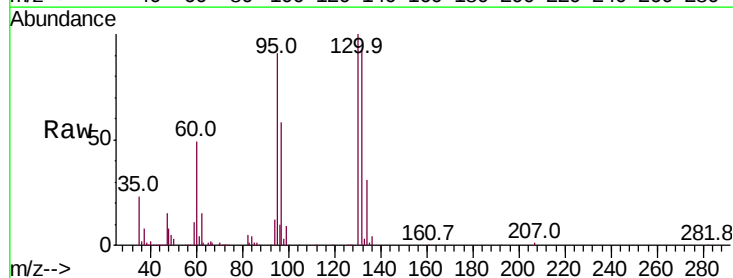
RT: 9.09 min Scan# 1179

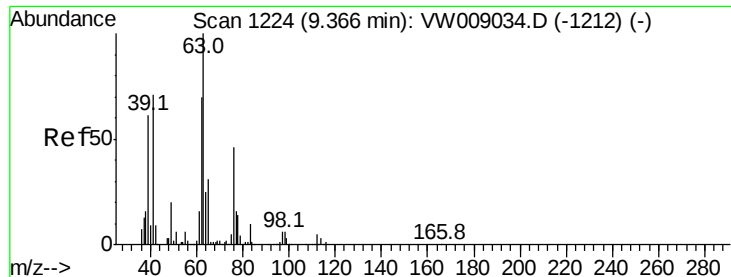
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion:	130	Resp:	131184
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	197.0





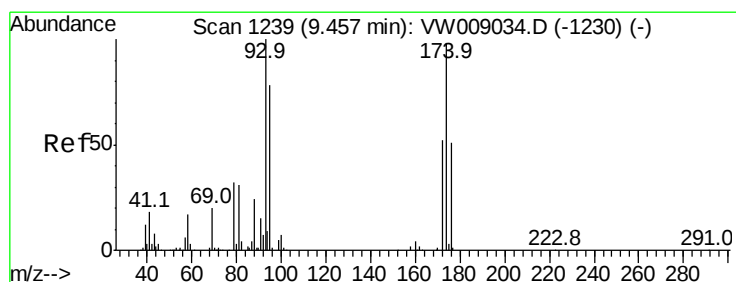
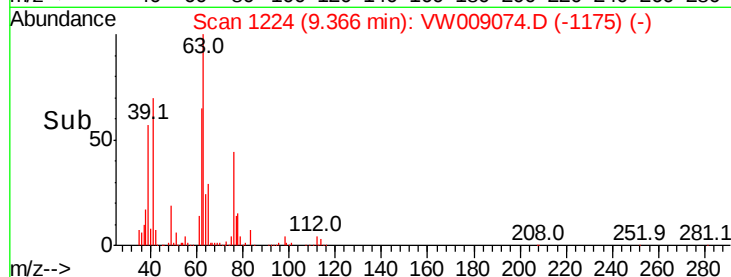
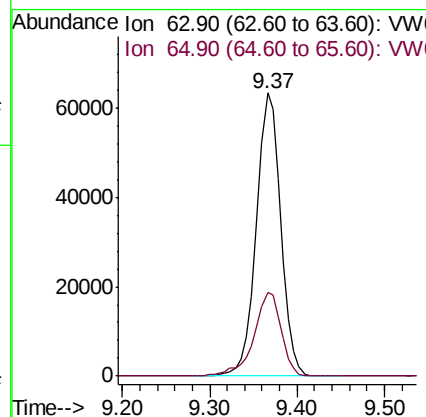
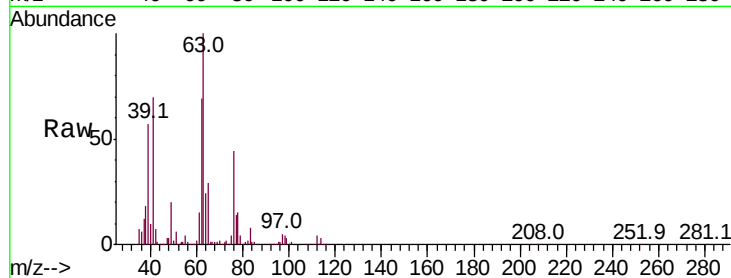
#45
 1,2-Dichloropropane
 Concen: 49.164 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.9	37.3

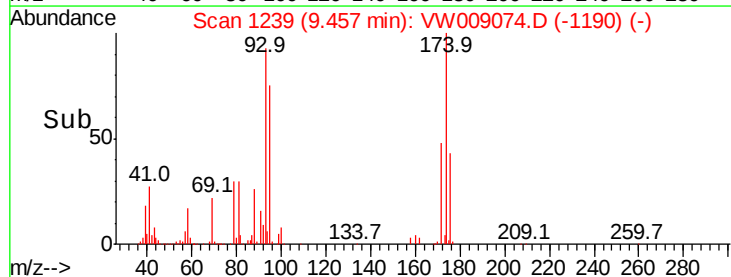
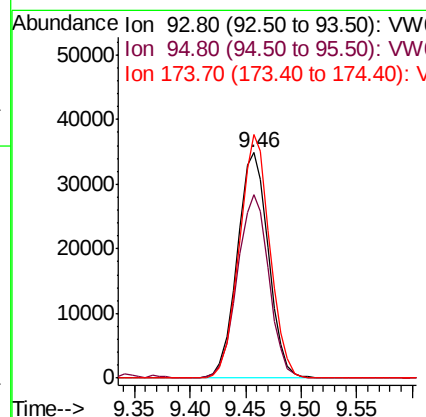
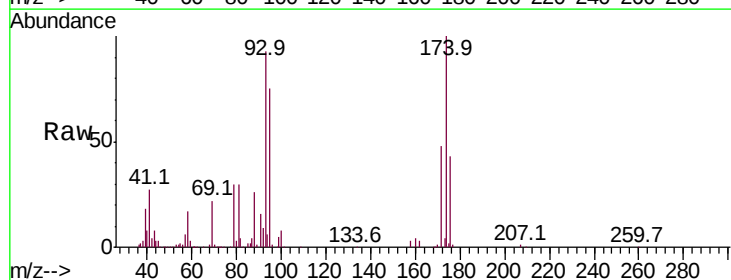
Manual Integrations
 APPROVED

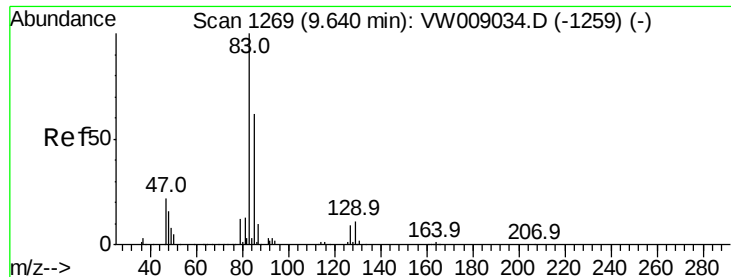
MMDadoda
 3/11/2019 2:53:34 PM



#46
 Dibromomethane
 Concen: 49.425 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	105.6	81.8	122.6





#47

Bromodichloromethane

Concen: 48.992 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

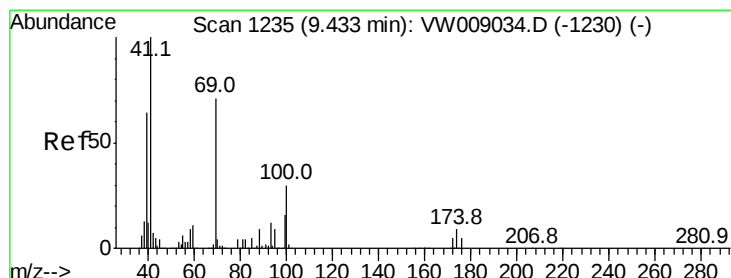
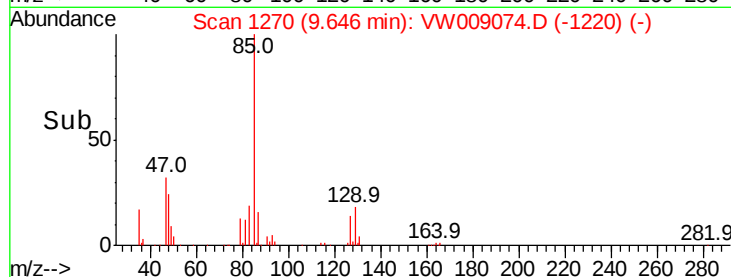
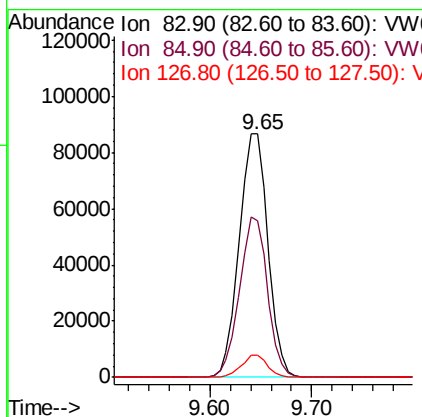
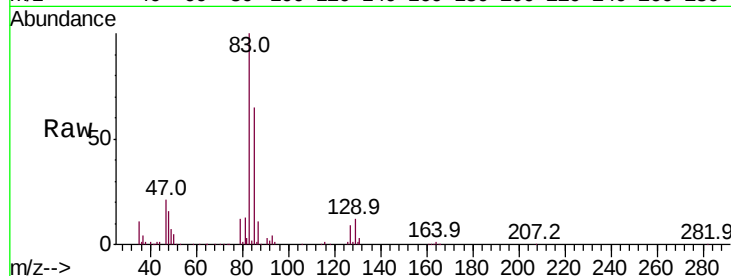
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:	83	Resp:	169179
Ion Ratio	Lower	Upper	
83	100		
85	64.5	49.9	74.9
127	9.1	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#48

Methyl methacrylate

Concen: 60.668 ug/l

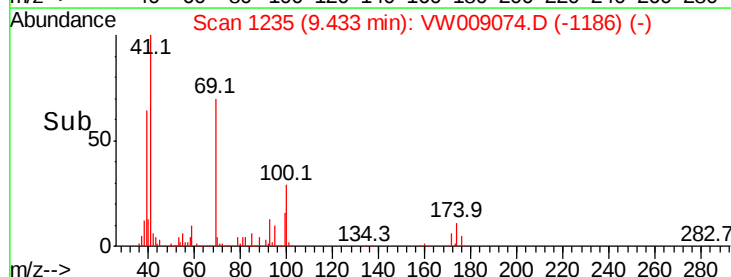
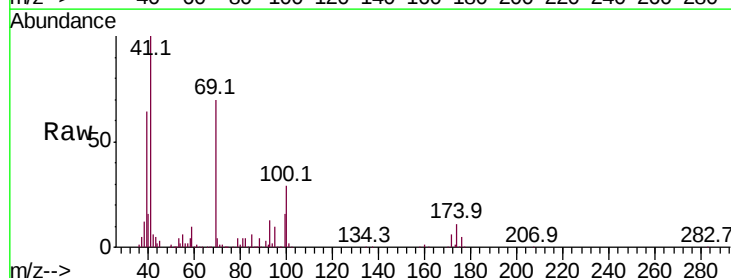
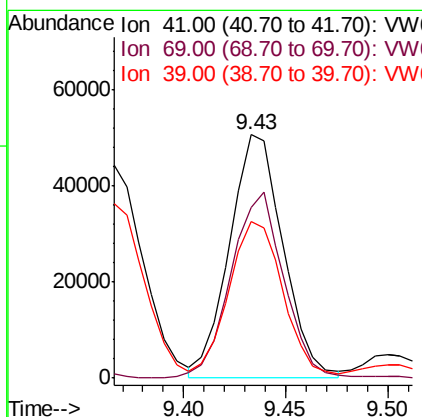
RT: 9.43 min Scan# 1235

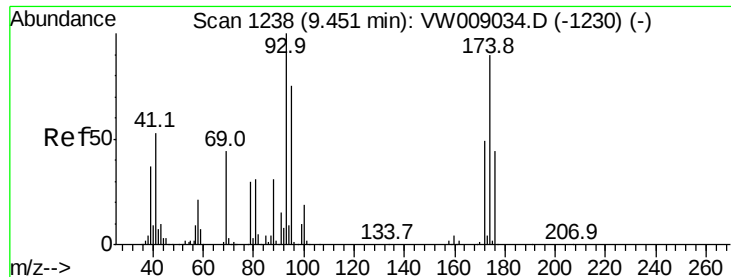
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion:	41	Resp:	92328
Ion Ratio	Lower	Upper	
41	100		
69	76.0	59.1	88.7
39	65.1	48.9	73.3





#49

1,4-Dioxane

Concen: 984.716 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

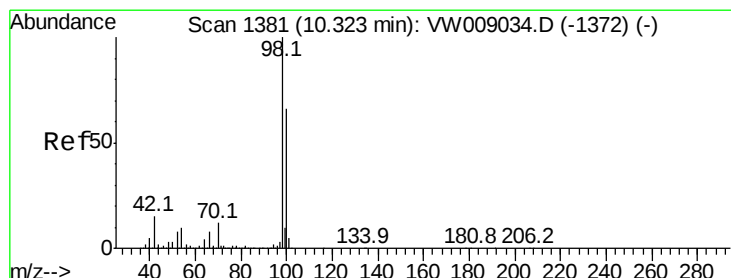
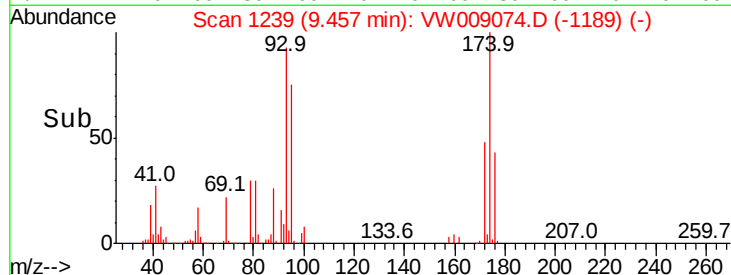
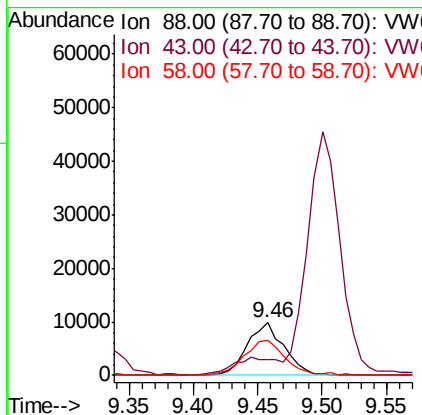
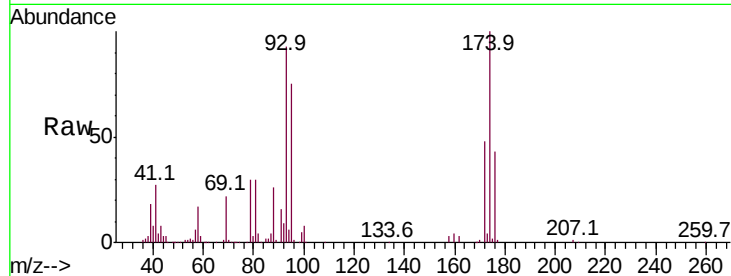
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:	88	Resp:	19236
Ion	Ratio	Lower	Upper
88	100		
43	30.9	29.0	43.4
58	76.6	59.2	88.8

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#50

Toluene-d8

Concen: 55.032 ug/l

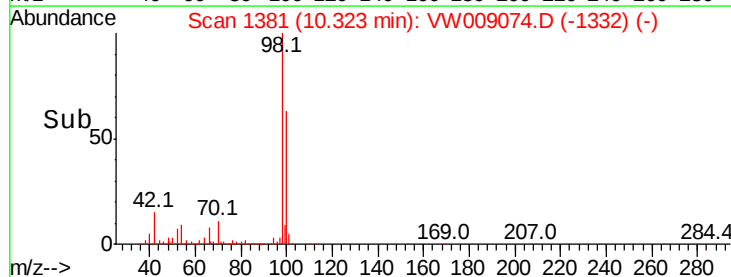
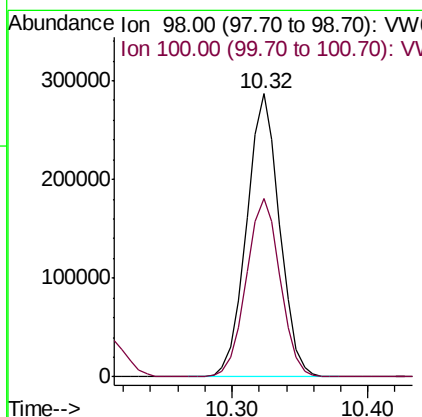
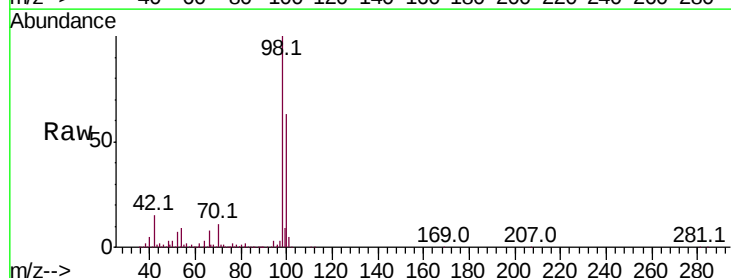
RT: 10.32 min Scan# 1381

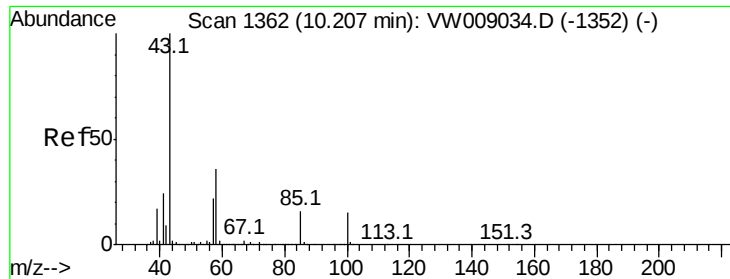
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion:	98	Resp:	486244
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 255.843 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 43 Resp: 424508

Ion Ratio Lower Upper

43 100

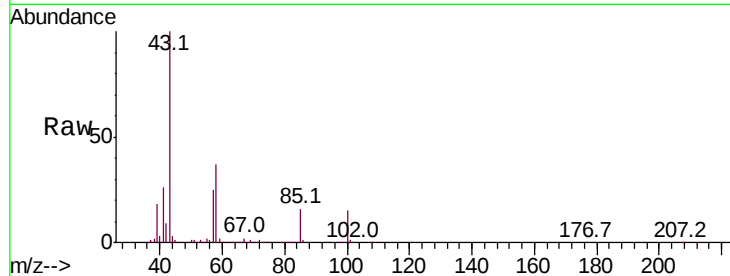
58 36.4 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

250000

200000

150000

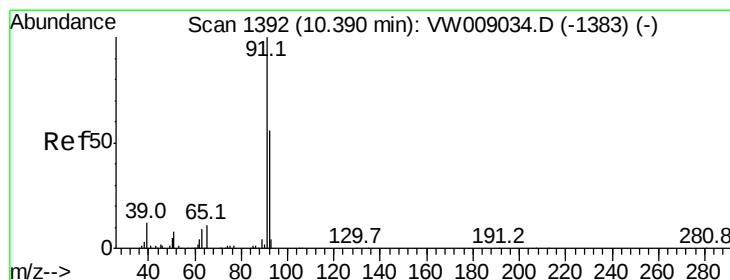
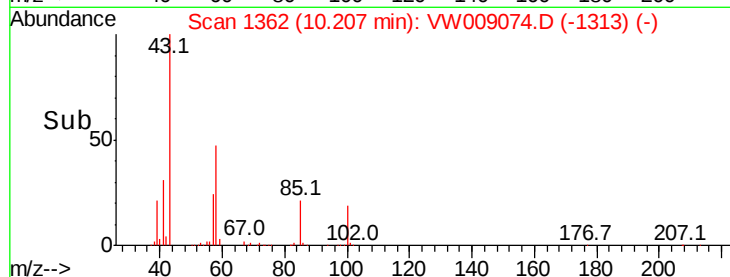
100000

50000

0

10.10 10.20 10.30

Time-->



#52

Toluene

Concen: 50.072 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009074.D

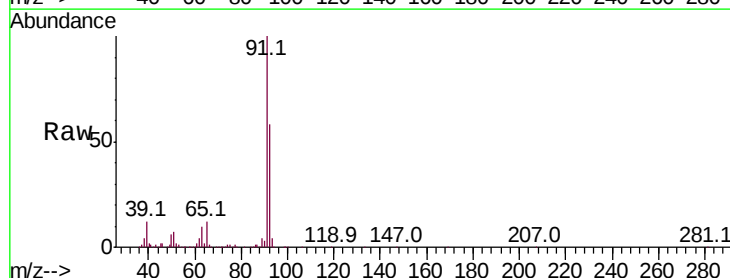
Acq: 08 Mar 2019 23:59

Tgt Ion: 92 Resp: 338667

Ion Ratio Lower Upper

92 100

91 173.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

300000

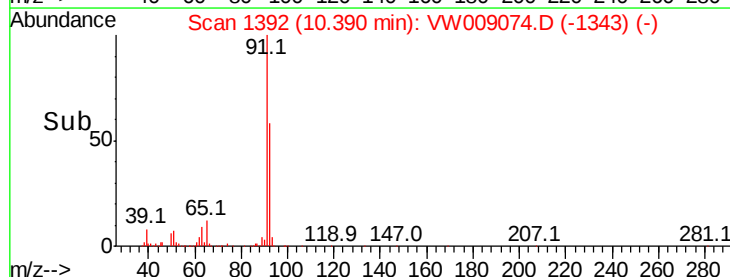
200000

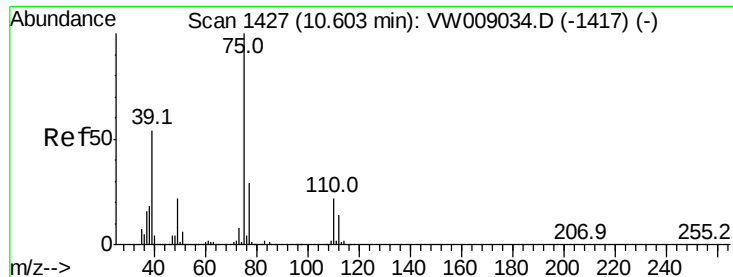
100000

0

10.30 10.40 10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.198 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

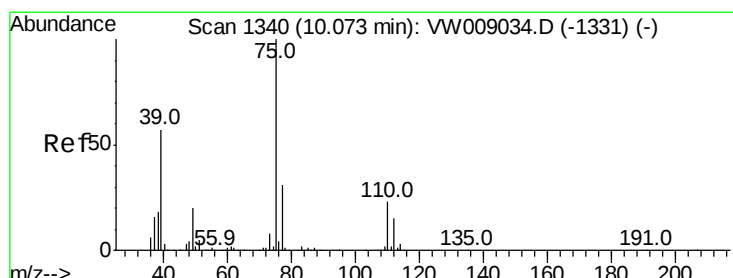
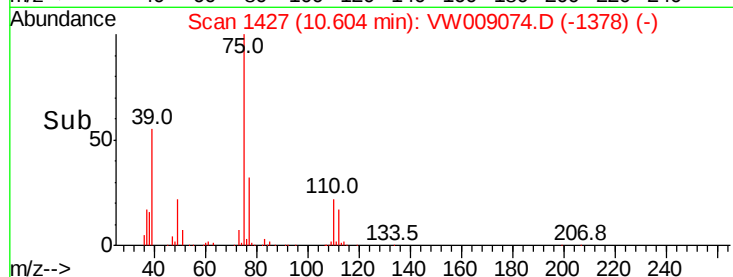
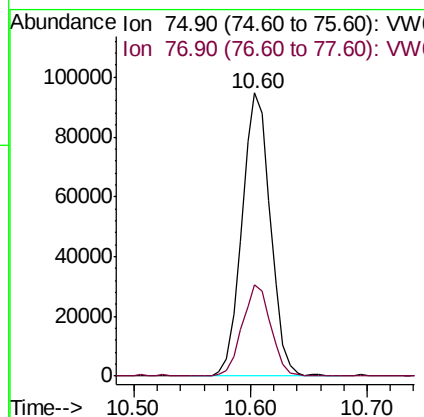
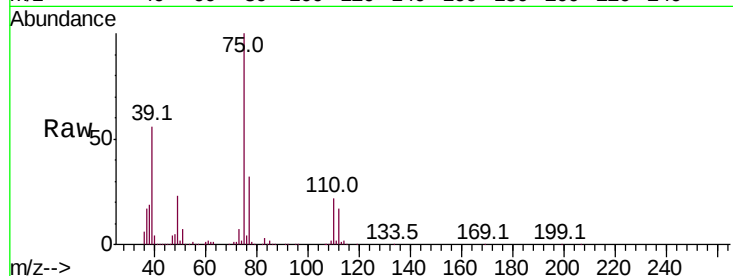
Instrument :
MSVOA_W

ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	23.6	35.4

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#54

cis-1,3-Dichloropropene

Concen: 46.550 ug/l

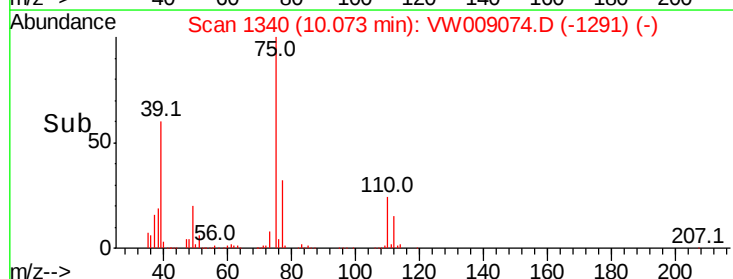
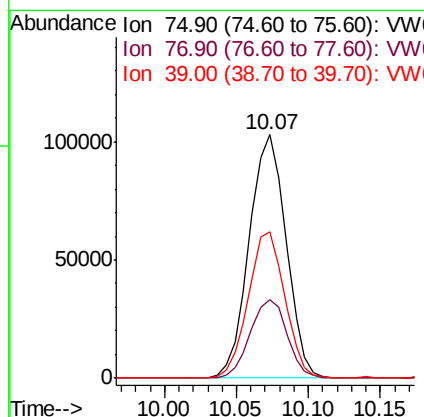
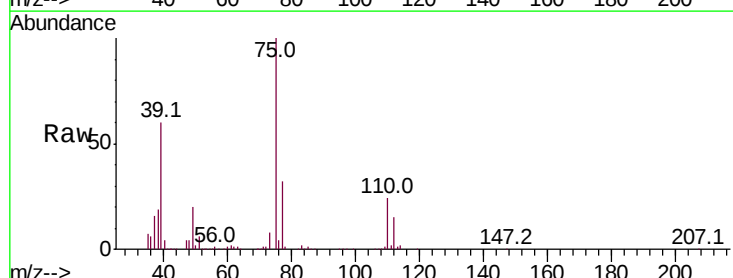
RT: 10.07 min Scan# 1340

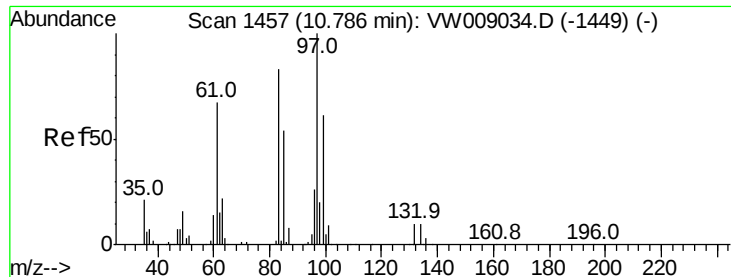
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	36.8
39	60.1	45.9	68.9





#55

1,1,2-Trichloroethane

Concen: 50.483 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

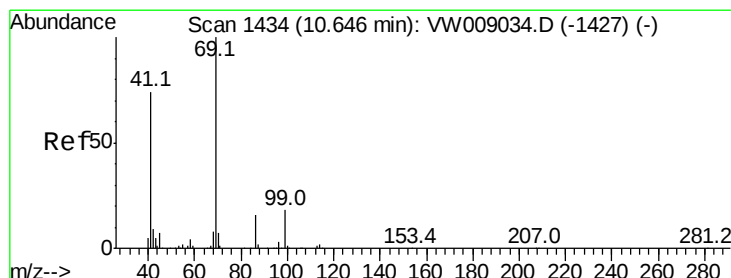
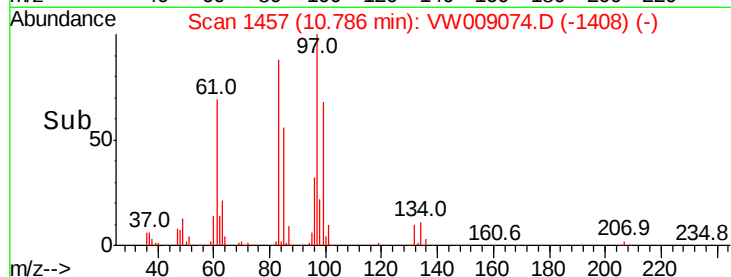
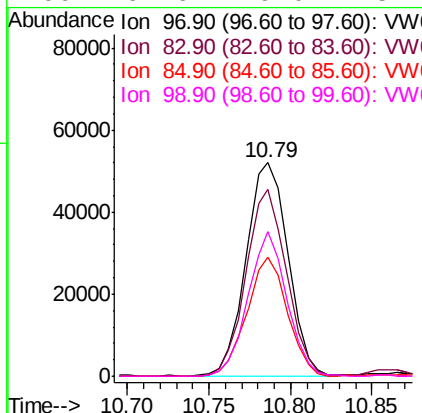
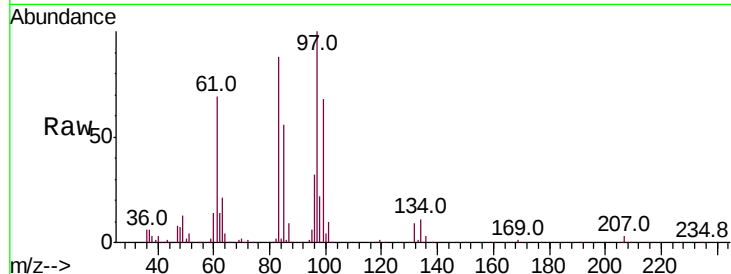
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion	97	Resp	93341
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.2	99.2
85	55.9	43.6	65.4
99	67.6	49.0	73.4

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#56

Ethyl methacrylate

Concen: 35.688 ug/l

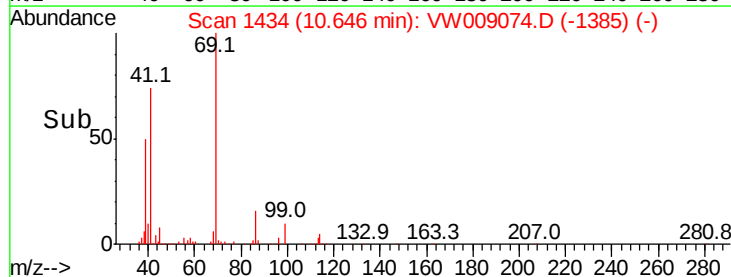
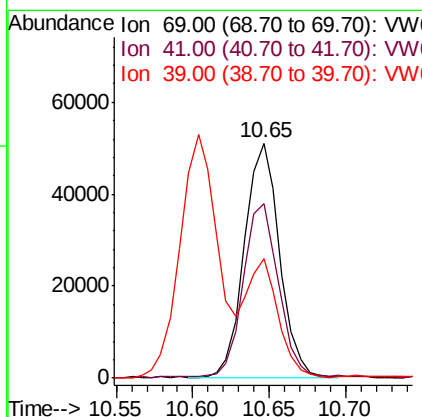
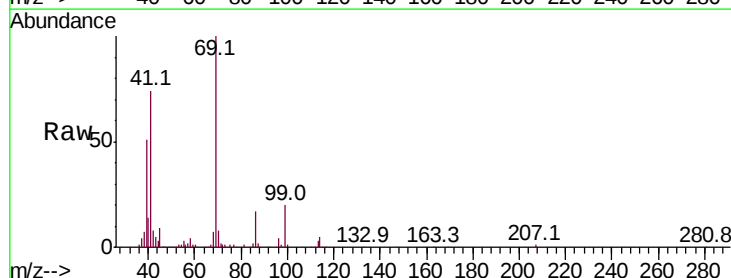
RT: 10.65 min Scan# 1434

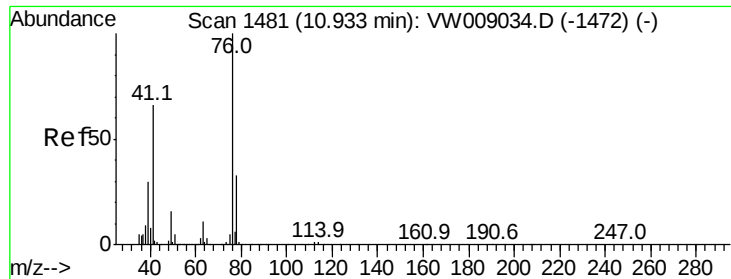
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion	69	Resp	81893
Ion	Ratio	Lower	Upper
69	100		
41	73.5	59.4	89.2
39	45.5	38.5	57.7





#57

1,3-Dichloropropane

Concen: 49.655 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 76 Resp: 162642

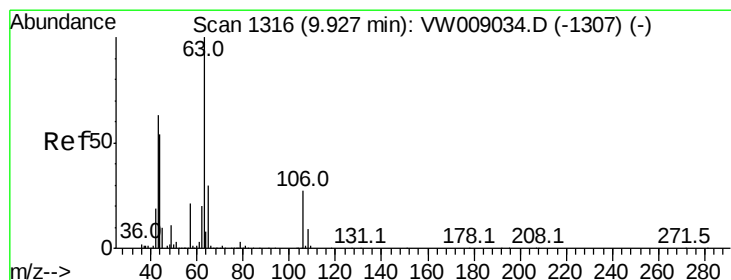
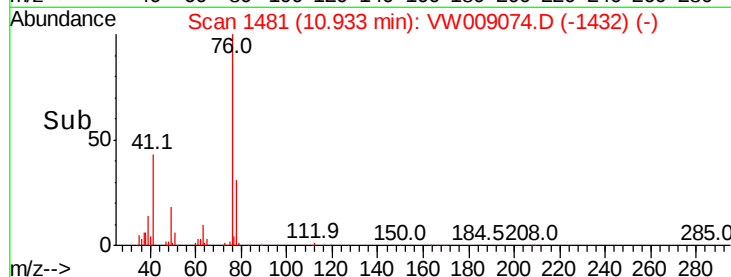
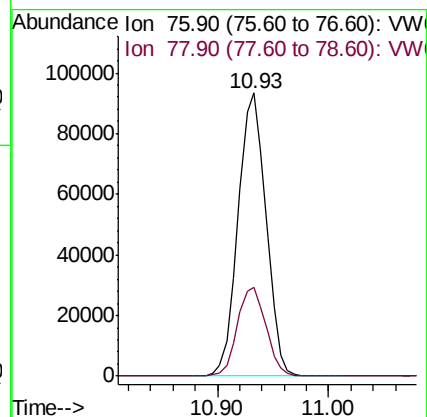
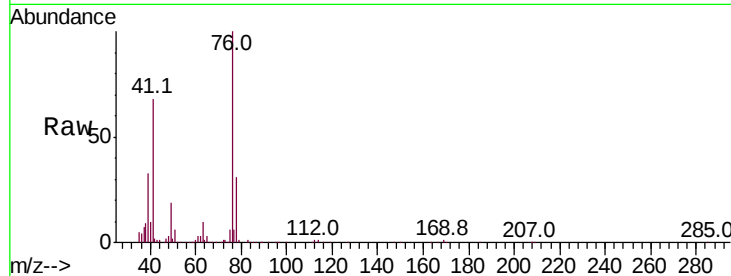
Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 248.053 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009074.D

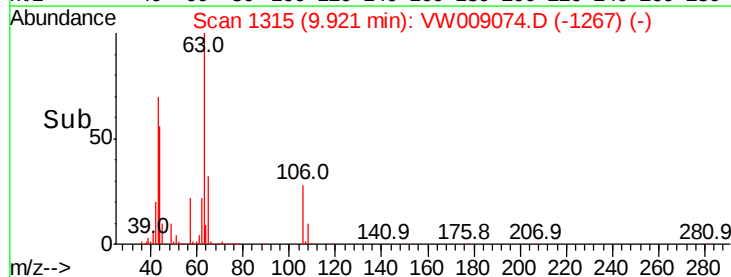
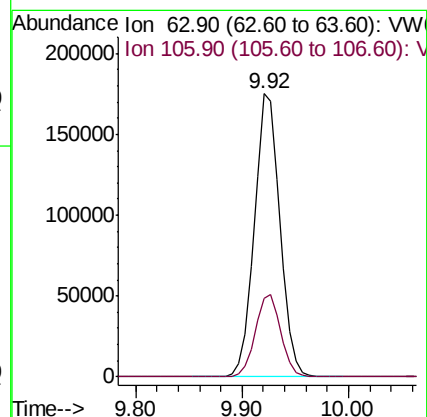
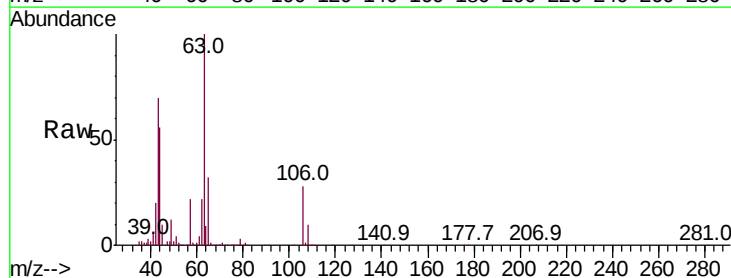
Acq: 08 Mar 2019 23:59

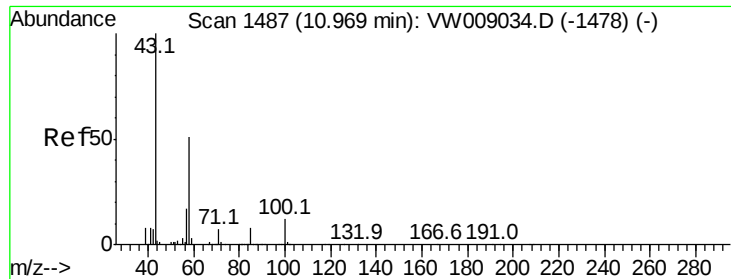
Tgt Ion: 63 Resp: 295085

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6





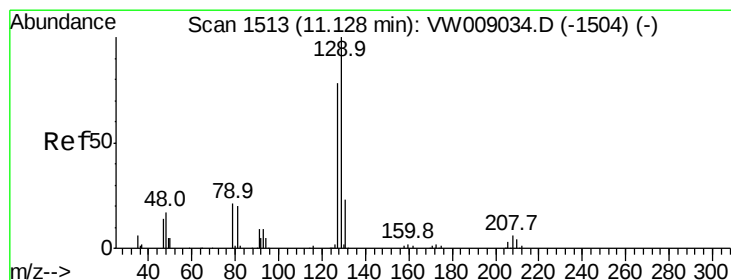
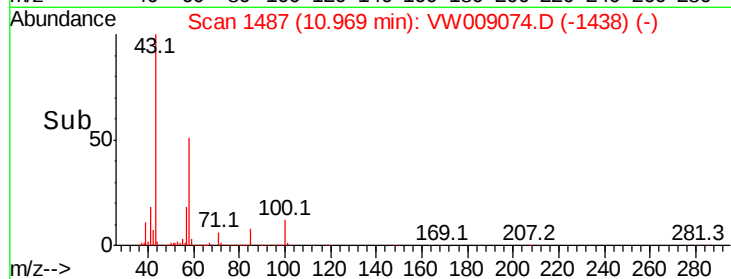
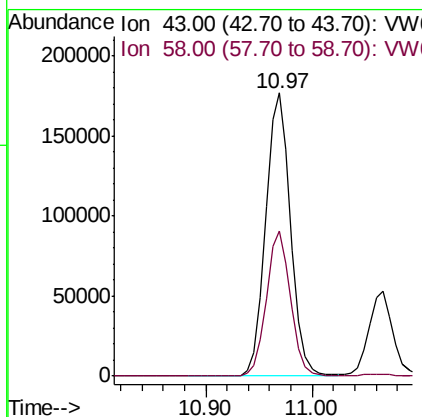
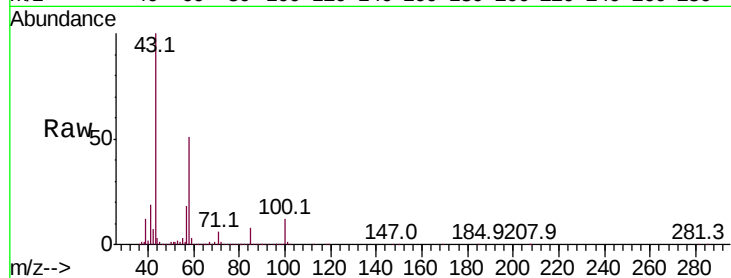
#59
2-Hexanone
Concen: 246.370 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion: 43 Resp: 287413
Ion Ratio Lower Upper
43 100
58 50.0 25.3 75.9

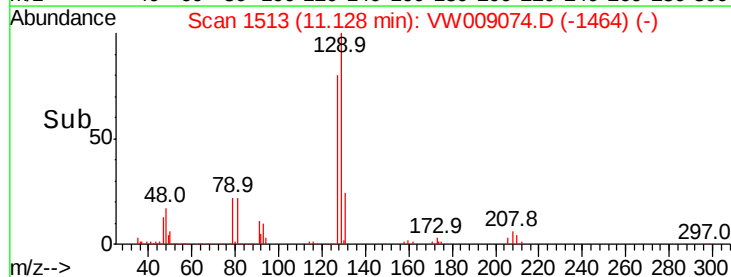
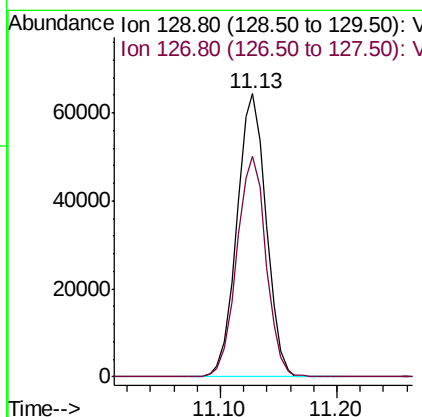
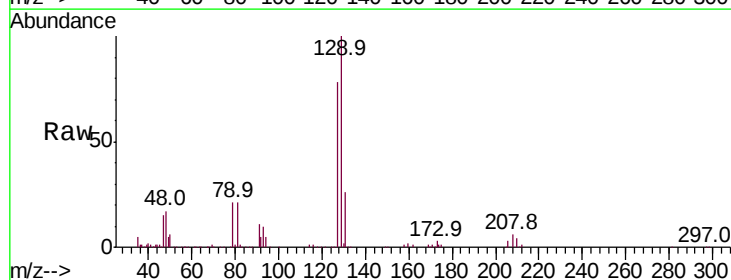
Manual Integrations
APPROVED

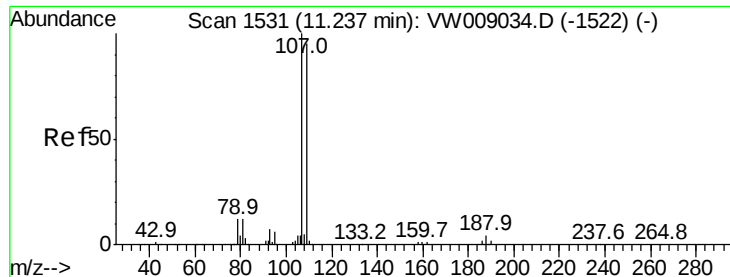
MMDadoda
3/11/2019 2:53:34 PM



#60
Dibromochloromethane
Concen: 49.294 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 129 Resp: 112794
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.1





#61

1,2-Dibromoethane

Concen: 49.379 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:107 Resp: 89504

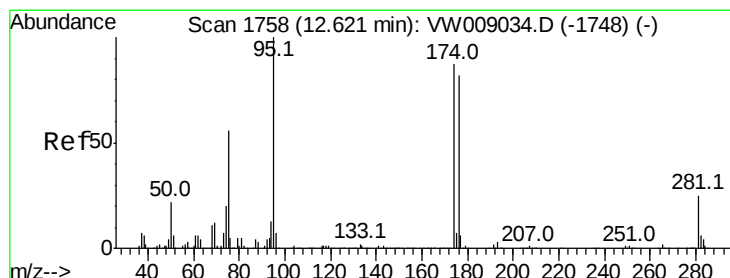
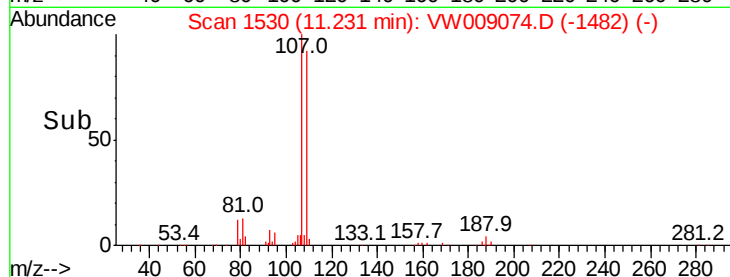
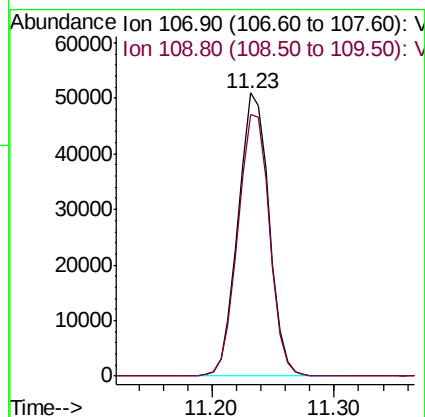
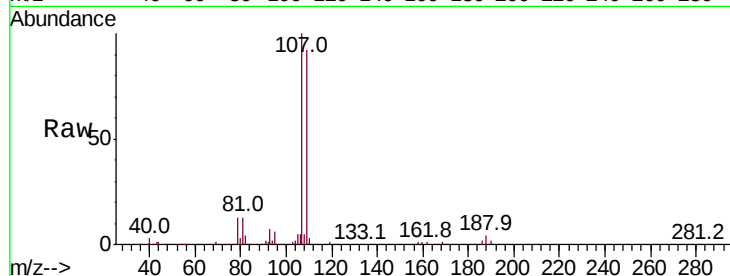
Ion Ratio Lower Upper

107 100

109 94.5 74.7 112.1

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#62

4-Bromofluorobenzene

Concen: 50.370 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

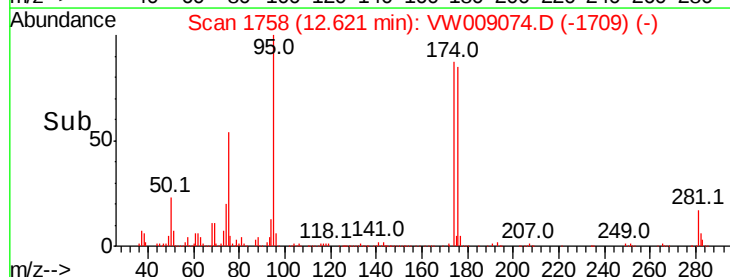
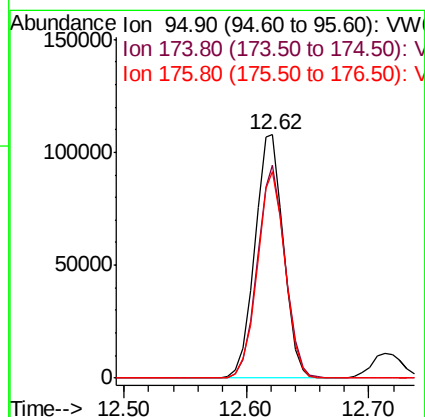
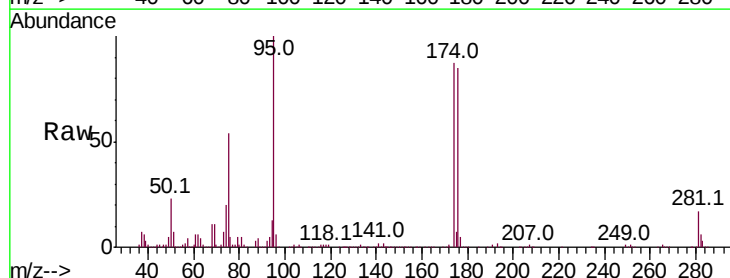
Tgt Ion: 95 Resp: 175199

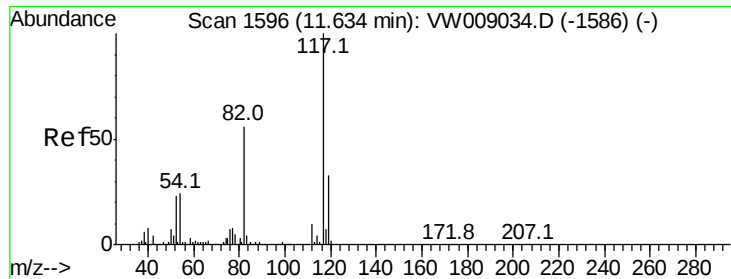
Ion Ratio Lower Upper

95 100

174 84.9 0.0 167.0

176 82.4 0.0 159.4





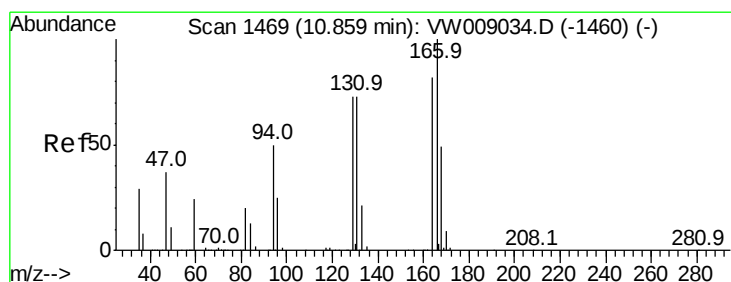
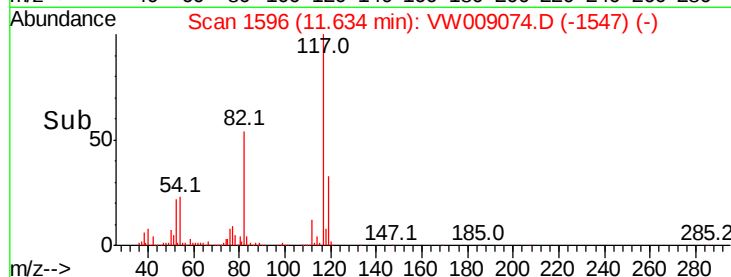
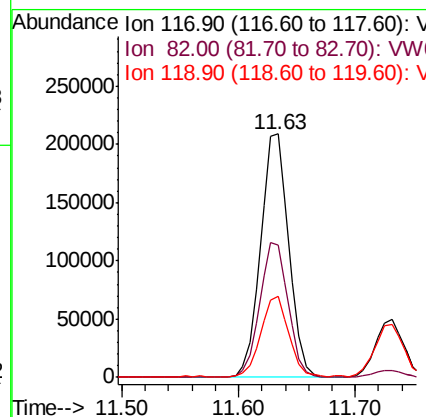
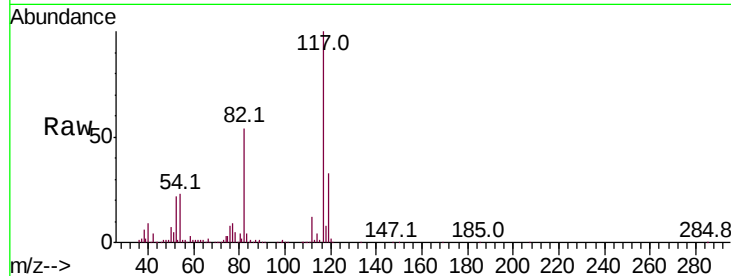
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.0	67.6
119	32.9	26.6	39.8

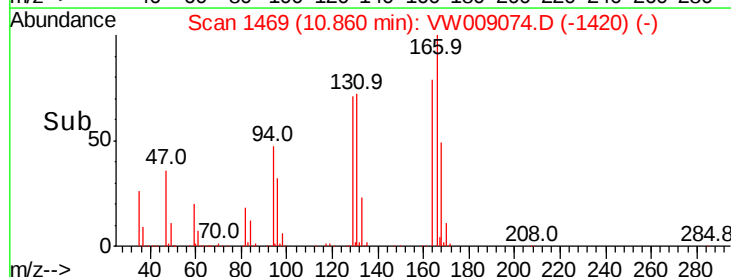
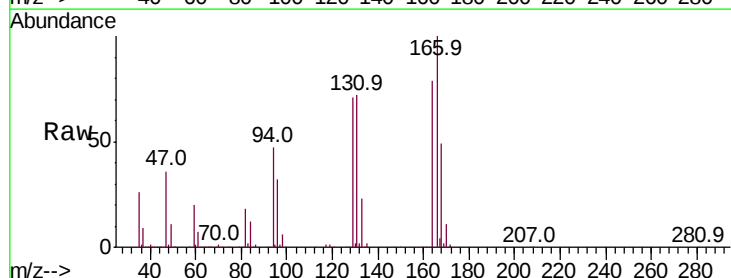
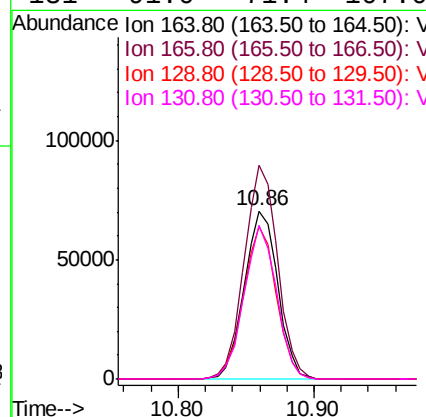
Manual Integrations
APPROVED

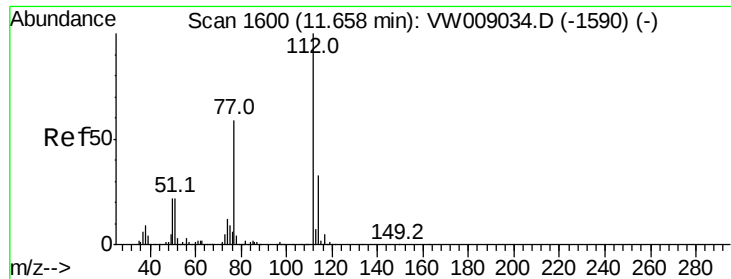
MMDadoda
3/11/2019 2:53:34 PM



#64
Tetrachloroethene
Concen: 47.895 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	97.8	146.6
129	90.3	71.6	107.4
131	91.0	71.4	107.0





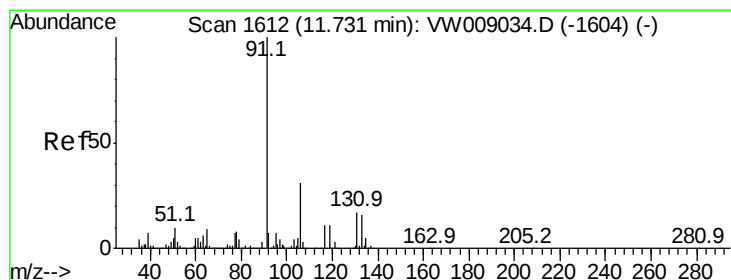
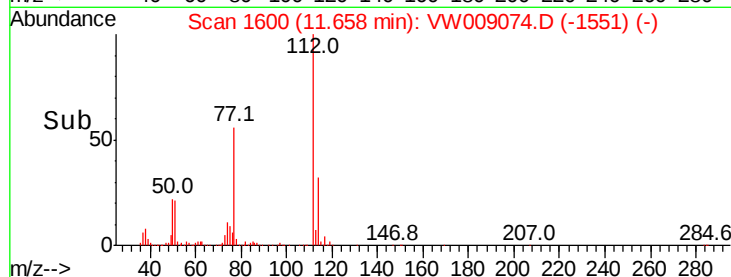
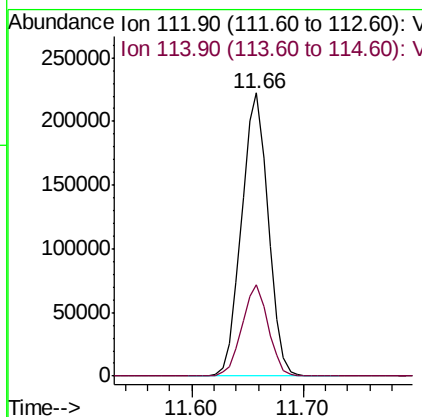
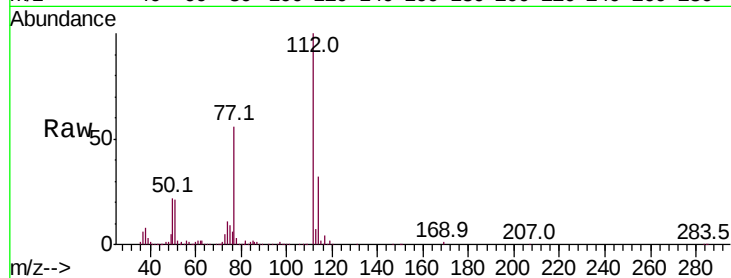
#65
Chlorobenzene
Concen: 48.157 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion:112 Resp: 368989
Ion Ratio Lower Upper
112 100
114 32.2 26.6 40.0

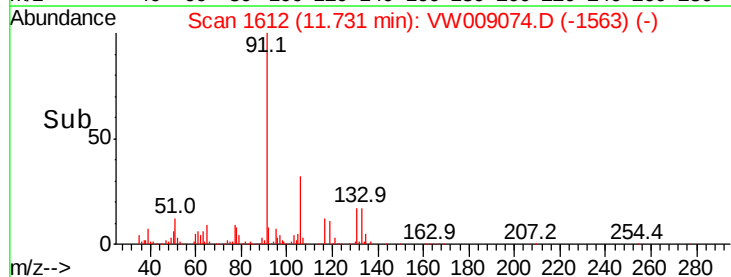
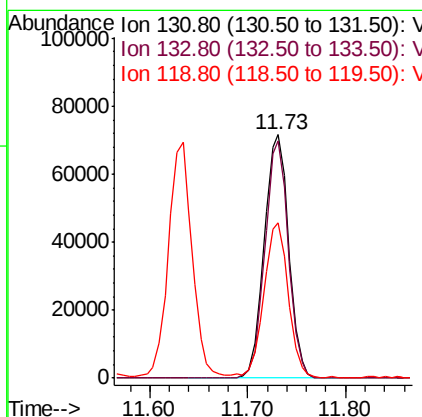
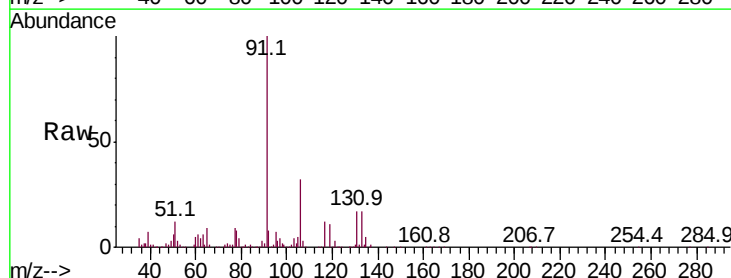
Manual Integrations
APPROVED

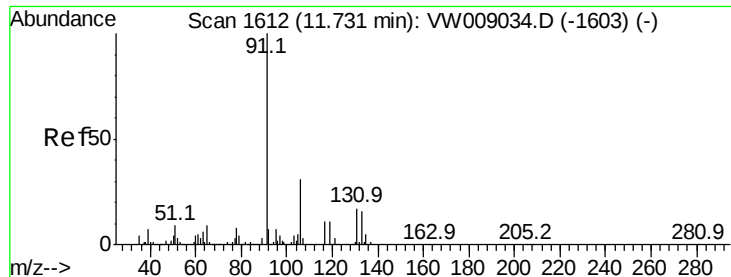
MMDadoda
3/11/2019 2:53:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.983 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion:131 Resp: 125317
Ion Ratio Lower Upper
131 100
133 93.6 47.6 142.8
119 63.5 31.3 93.8





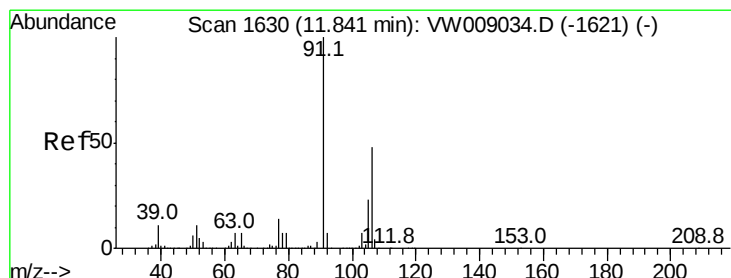
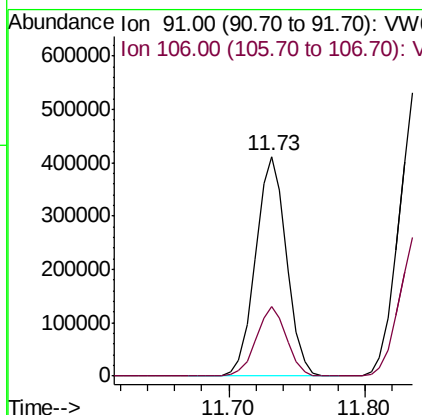
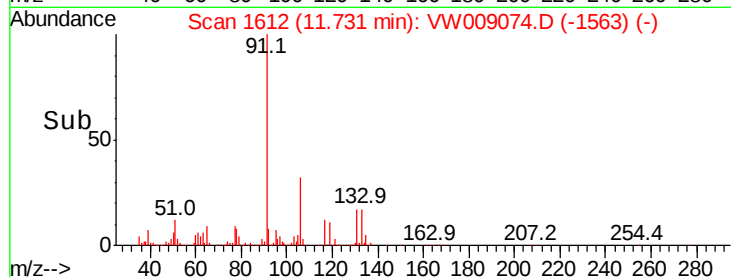
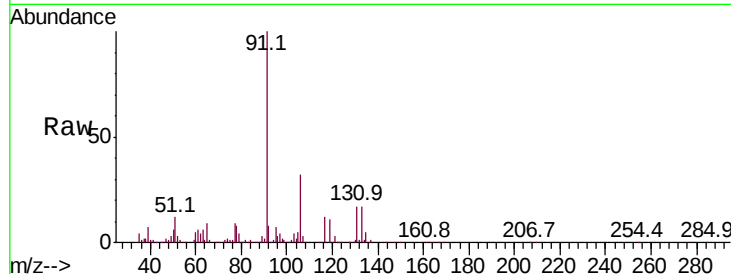
#67
Ethyl Benzene
Concen: 47.375 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion: 91 Resp: 655768
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

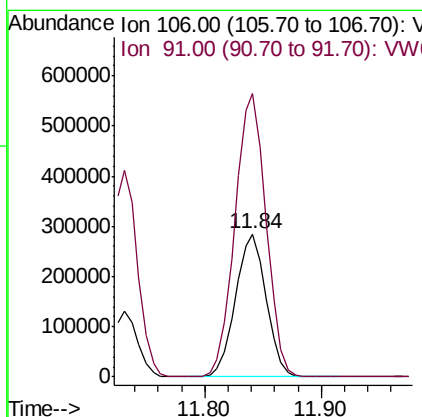
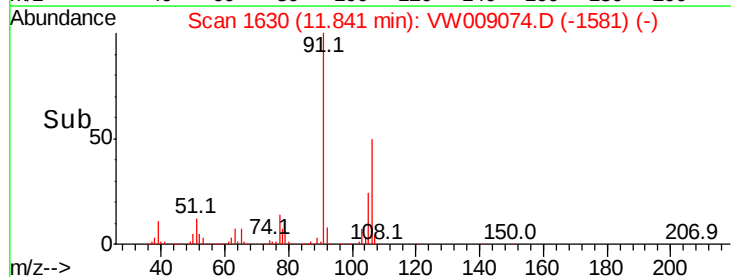
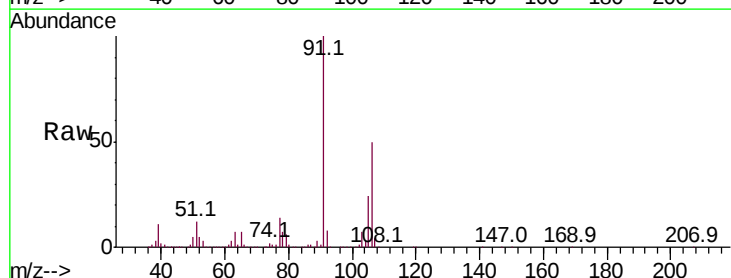
Manual Integrations
APPROVED

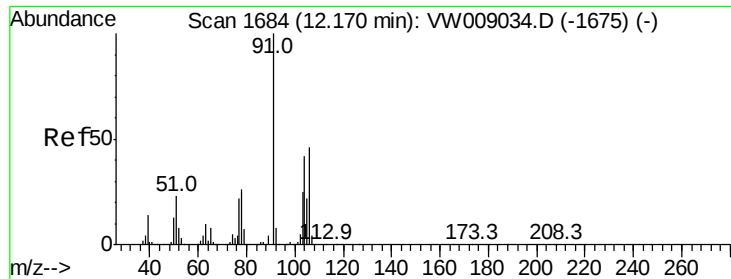
MMDadoda
3/11/2019 2:53:34 PM



#68
m/p-Xylenes
Concen: 95.142 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion: 106 Resp: 519825
Ion Ratio Lower Upper
106 100
91 202.0 163.2 244.8





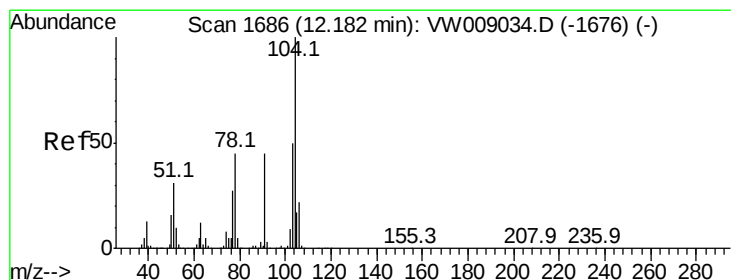
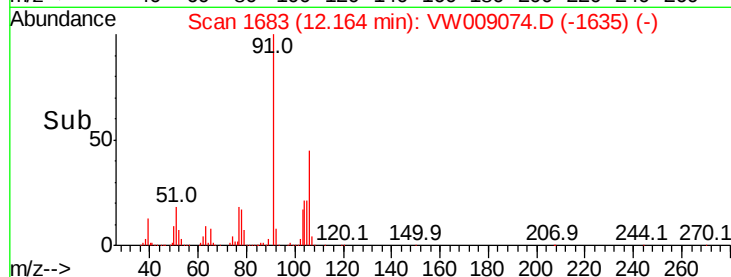
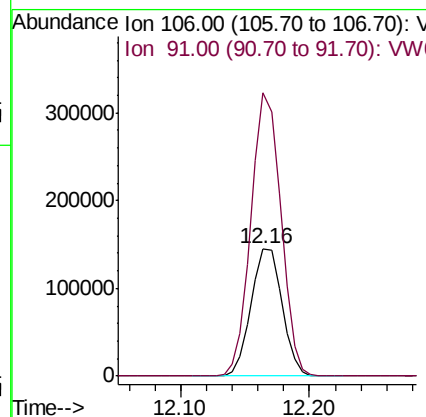
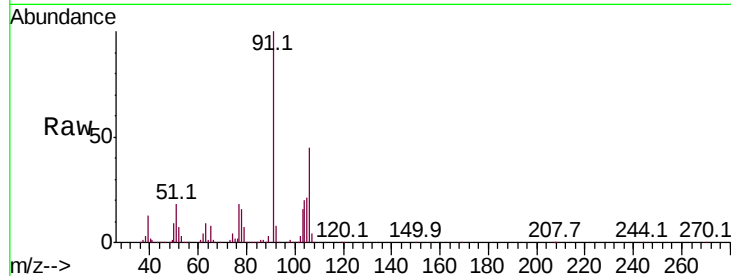
#69
o-Xylene
Concen: 47.454 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.4	108.6	325.6

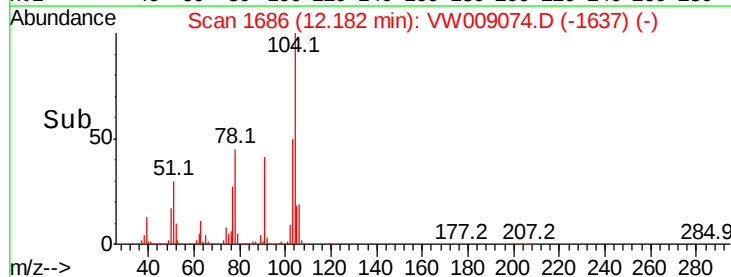
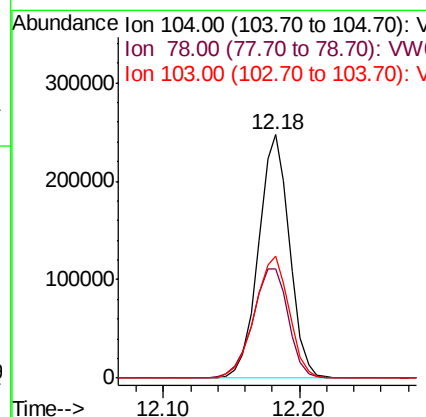
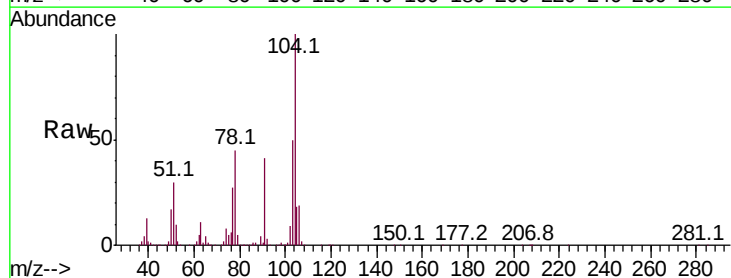
Manual Integrations
APPROVED

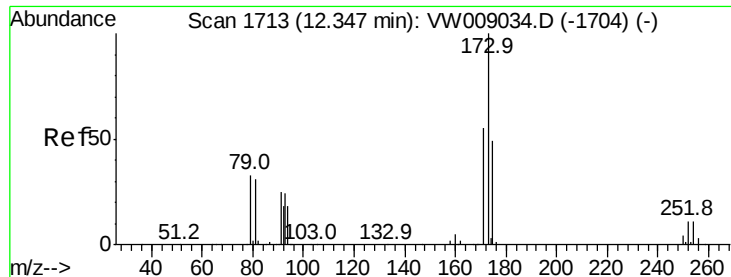
MMDadoda
3/11/2019 2:53:34 PM



#70
Styrene
Concen: 48.027 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.1	63.1
103	55.5	43.9	65.9





#71

Bromoform

Concen: 50.468 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:173 Resp: 69328

Ion Ratio Lower Upper

173 100

175 48.0 24.6 74.0

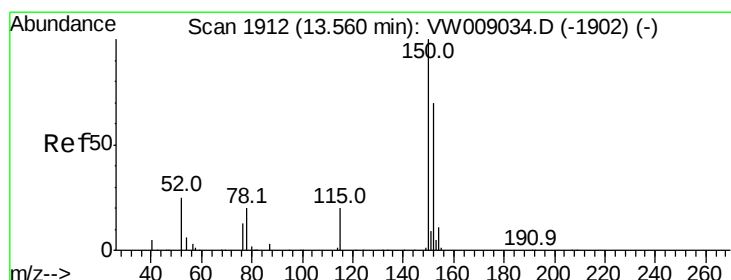
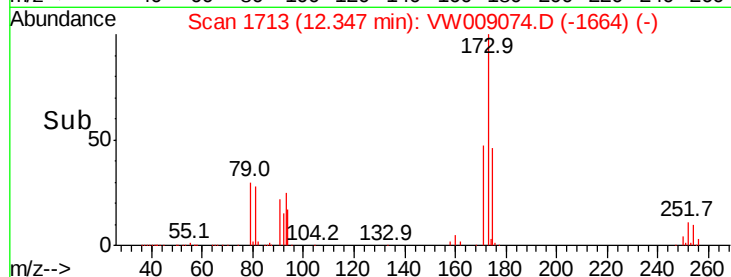
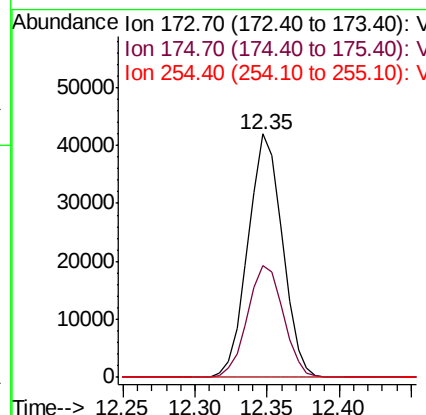
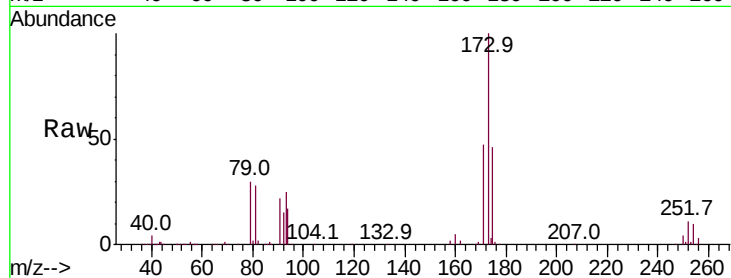
254 0.2 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

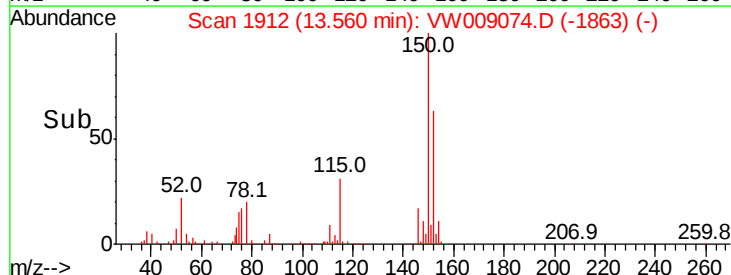
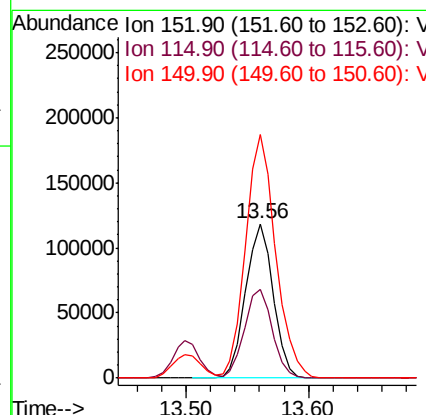
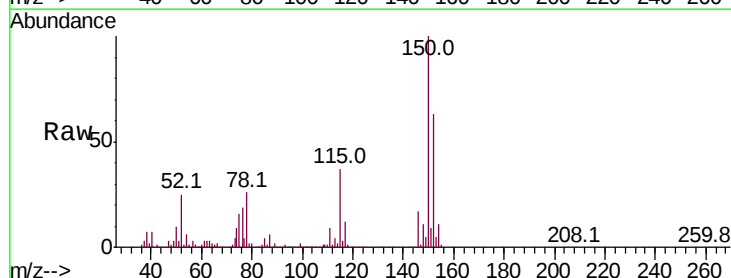
Tgt Ion:152 Resp: 184267

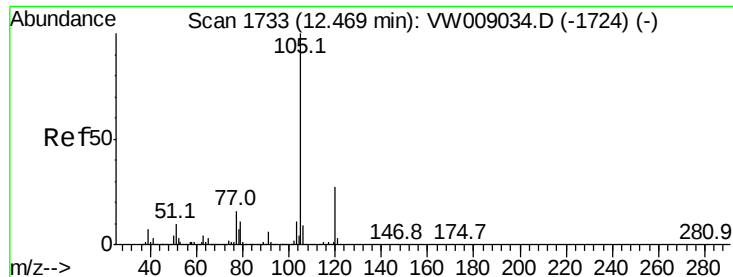
Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 172.7 0.0 349.2





#73

Isopropylbenzene

Concen: 48.960 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:105 Resp: 646061

Ion Ratio Lower Upper

105 100

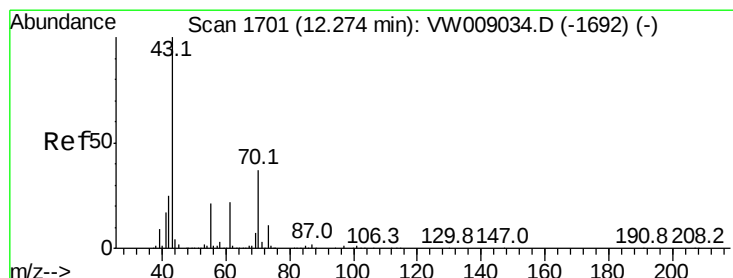
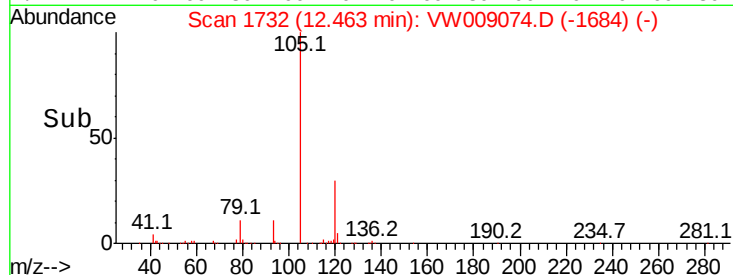
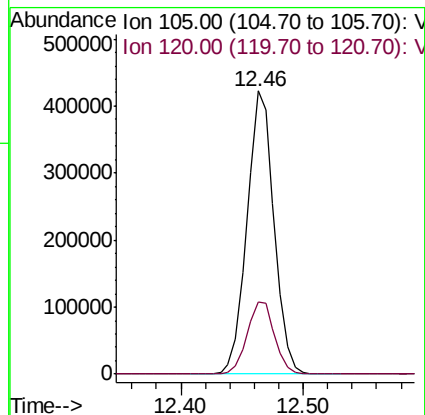
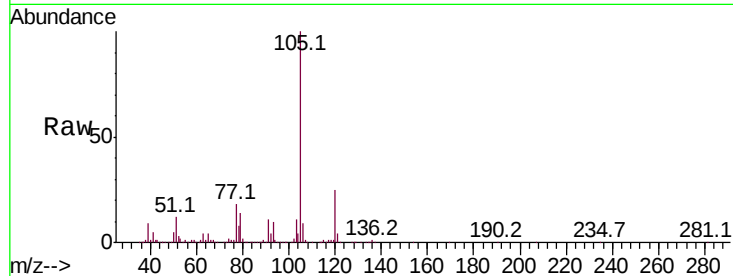
120 26.0 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#74

N-ethyl acetate

Concen: 23.062 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion: 43 Resp: 72042

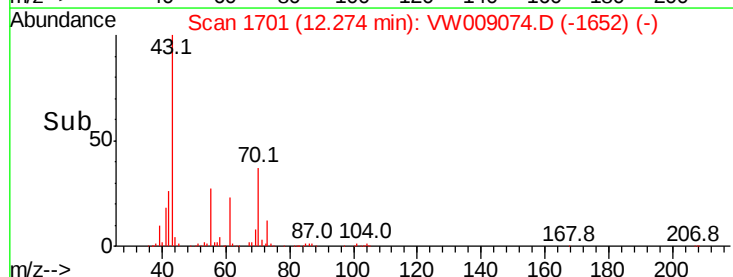
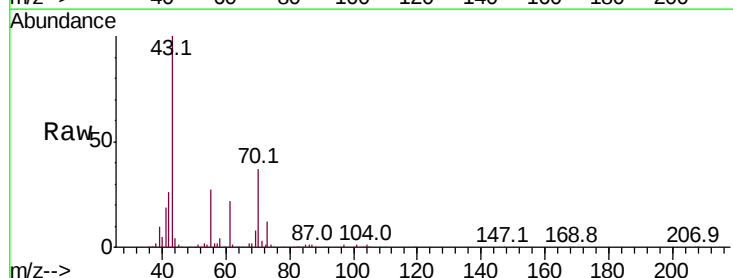
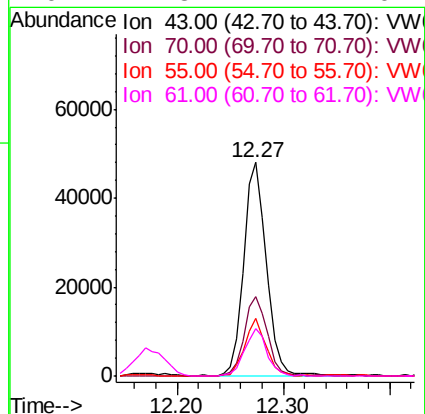
Ion Ratio Lower Upper

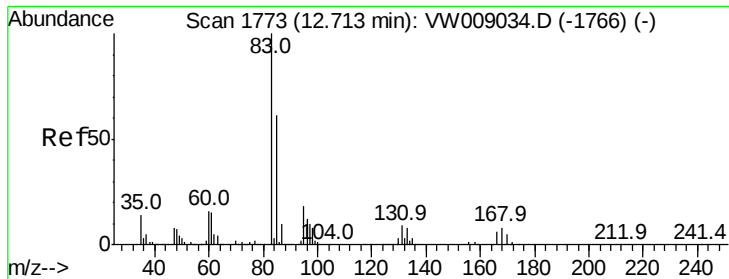
43 100

70 37.6 30.8 46.2

55 25.2 17.8 26.8

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.137 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 83 Resp: 110603

Ion Ratio Lower Upper

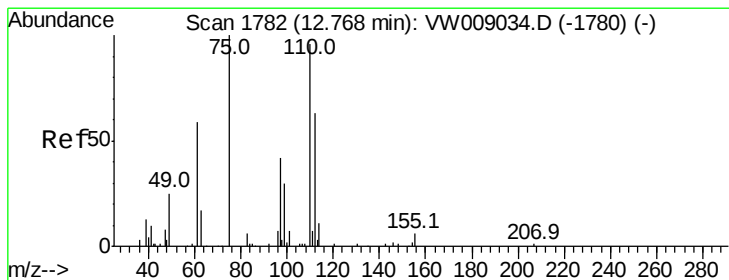
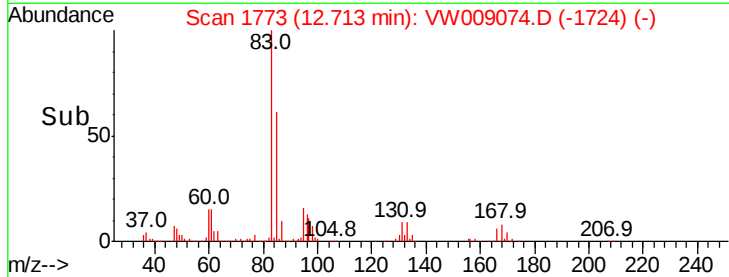
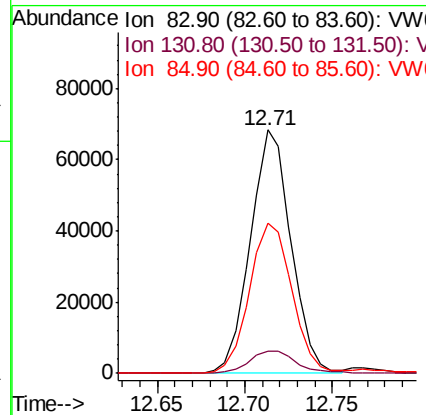
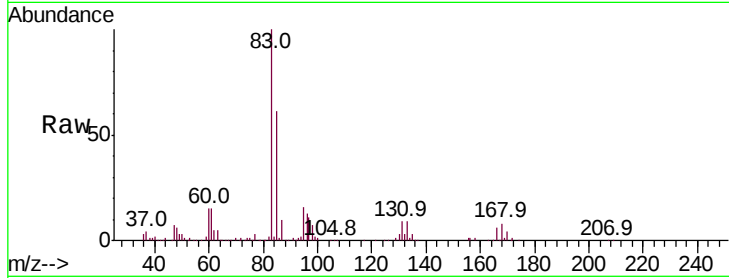
83 100

131 10.8 5.5 16.7

85 64.3 31.7 95.1

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#76

1,2,3-Trichloropropane

Concen: 53.850 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009074.D

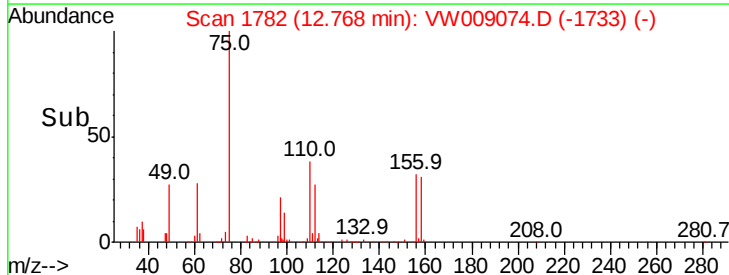
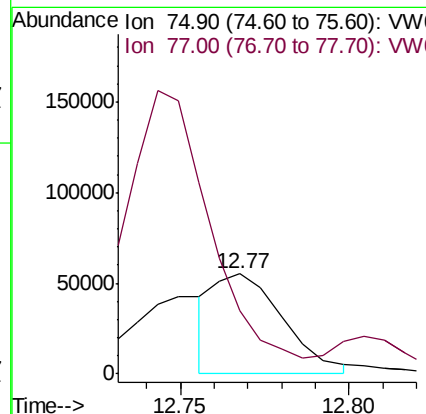
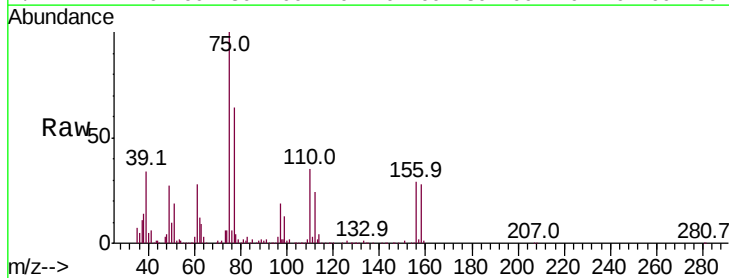
Acq: 08 Mar 2019 23:59

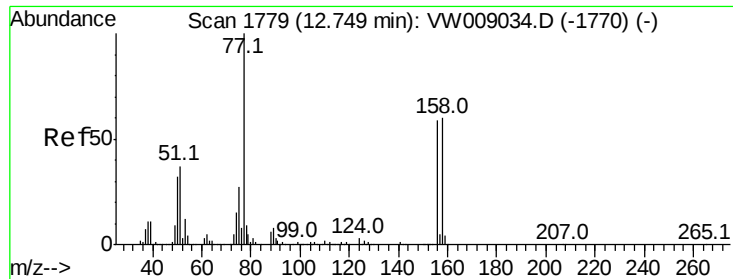
Tgt Ion: 75 Resp: 78398

Ion Ratio Lower Upper

75 100

77 0.0 186.7 560.0#





#77

Bromobenzene

Concen: 51.897 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

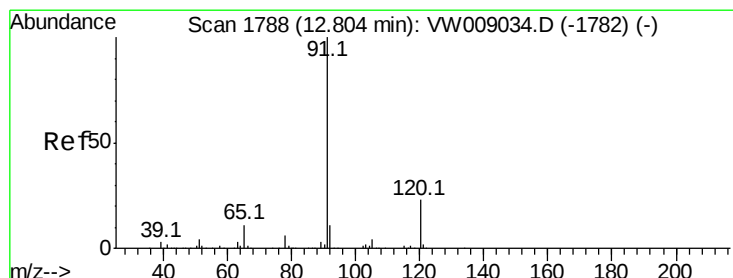
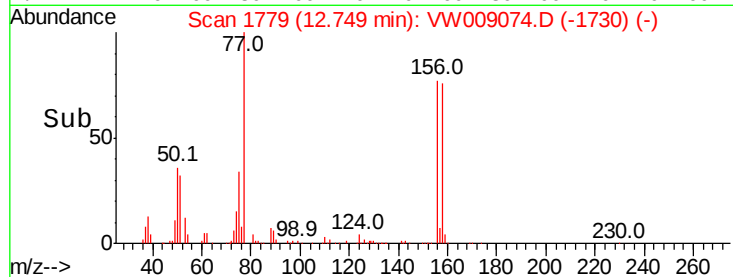
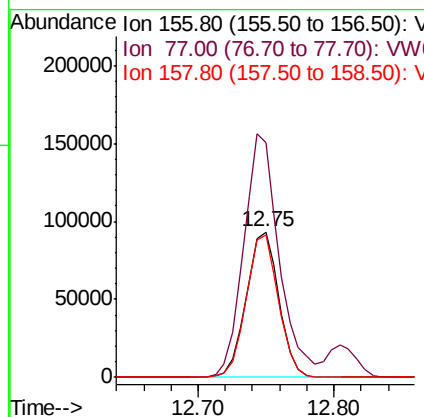
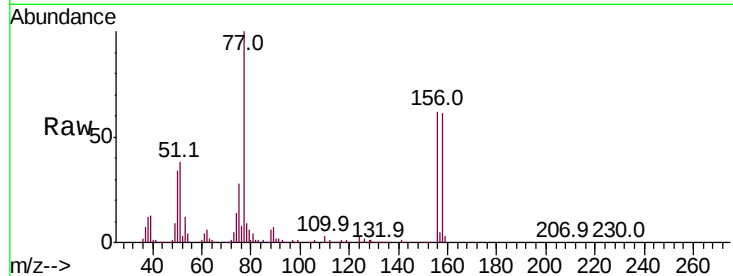
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:	156	Resp:	156472
Ion Ratio	Lower	Upper	
156	100		
77	181.4	93.0	279.2
158	96.6	50.0	149.8

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#78

n-propylbenzene

Concen: 46.137 ug/l

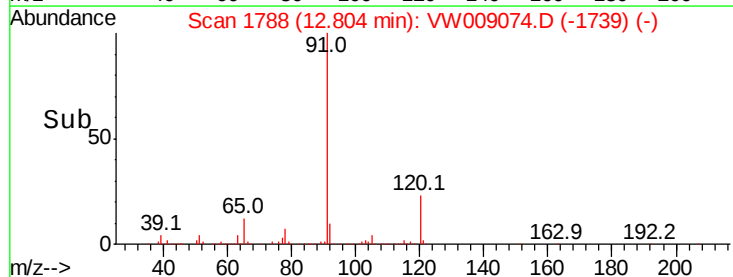
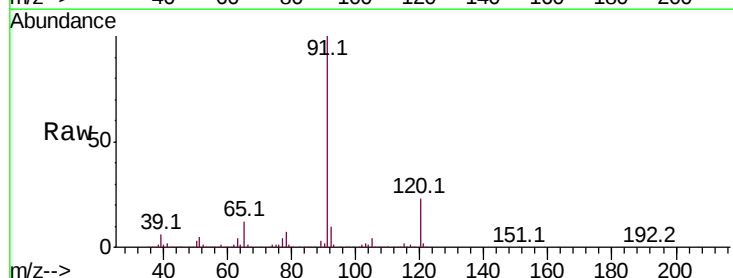
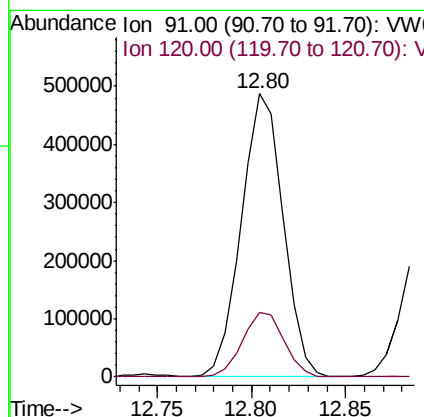
RT: 12.80 min Scan# 1788

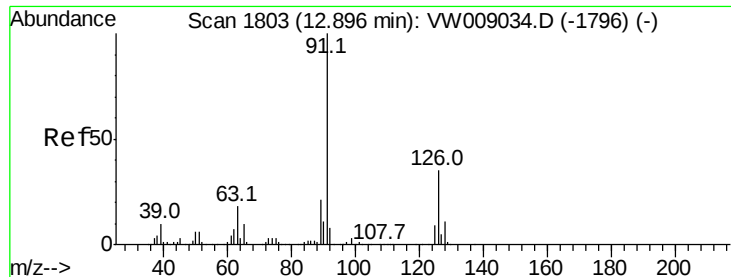
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion:	91	Resp:	749894
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.4	34.2





#79

2-Chlorotoluene

Concen: 48.034 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion: 91 Resp: 438650

Ion Ratio Lower Upper

91 100

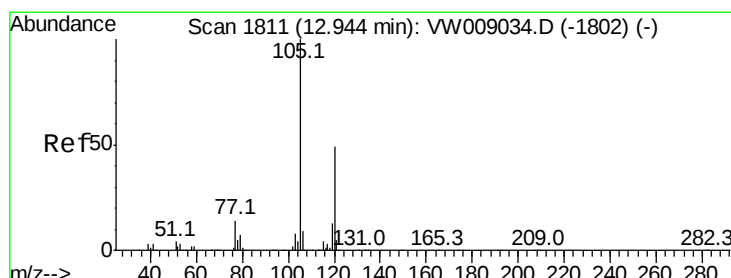
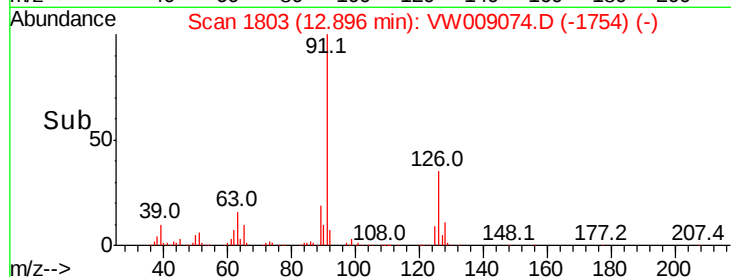
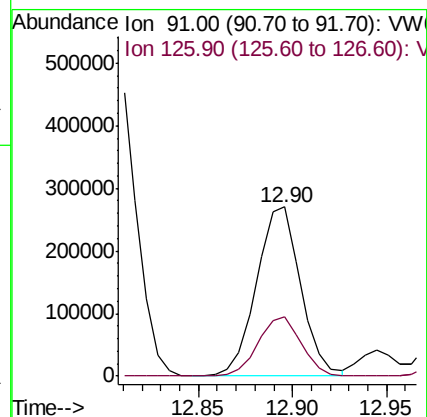
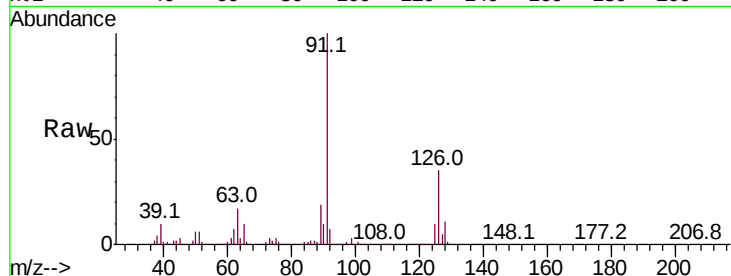
126 34.5 16.8 50.4

Manual Integrations

APPROVED

MMDadoda

3/11/2019 2:53:34 PM



#80

1,3,5-Trimethylbenzene

Concen: 46.409 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009074.D

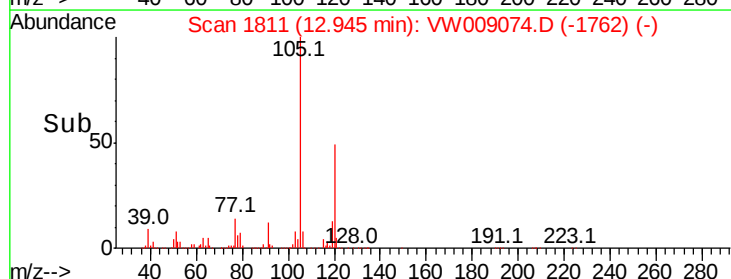
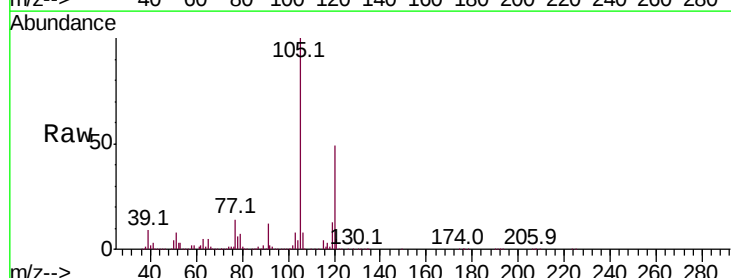
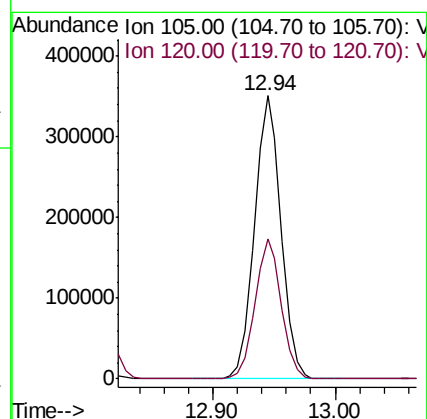
Acq: 08 Mar 2019 23:59

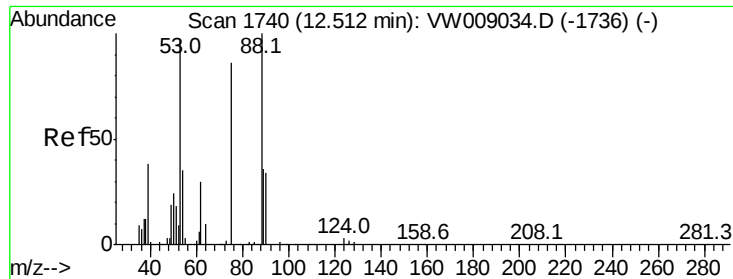
Tgt Ion: 105 Resp: 527875

Ion Ratio Lower Upper

105 100

120 48.9 24.4 73.2





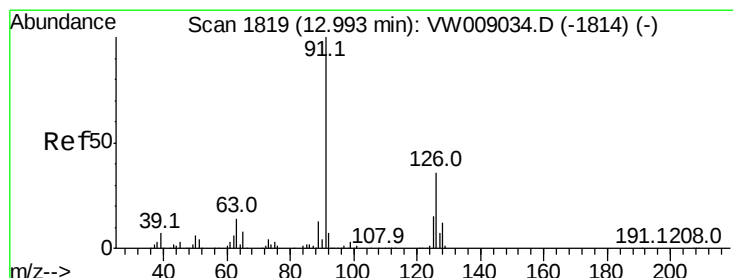
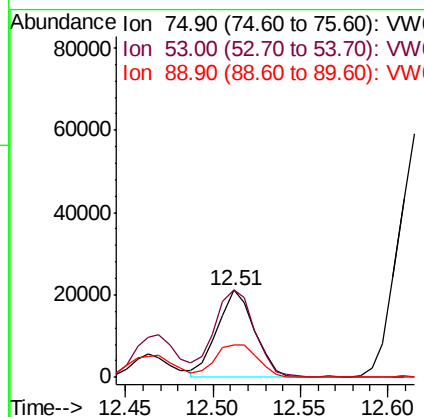
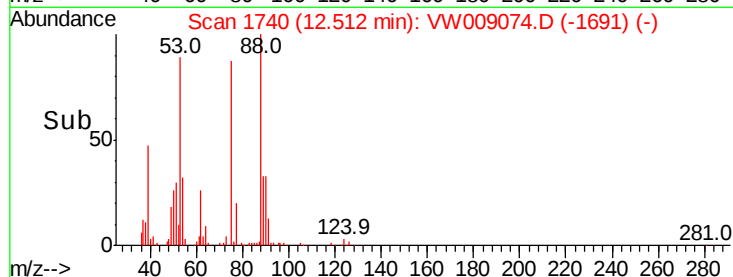
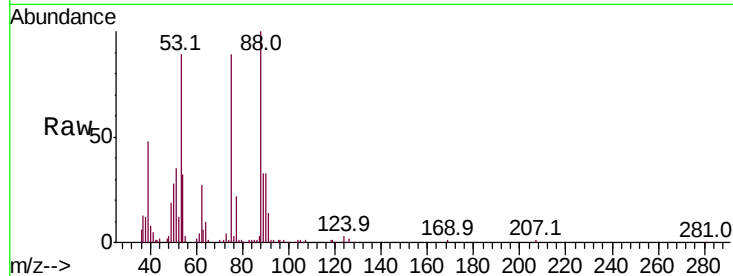
#81
trans-1,4-Dichloro-2-butene
Concen: 48.589 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.2	90.5	135.7
89	43.2	37.5	56.3

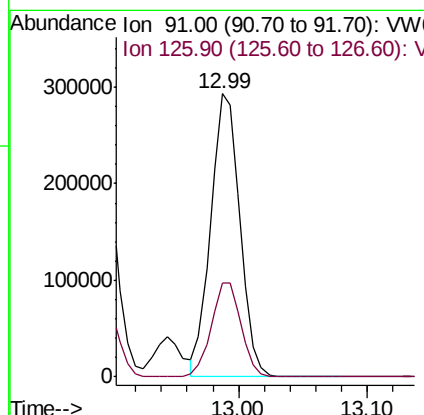
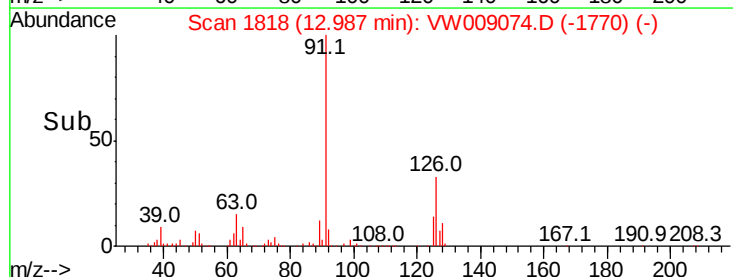
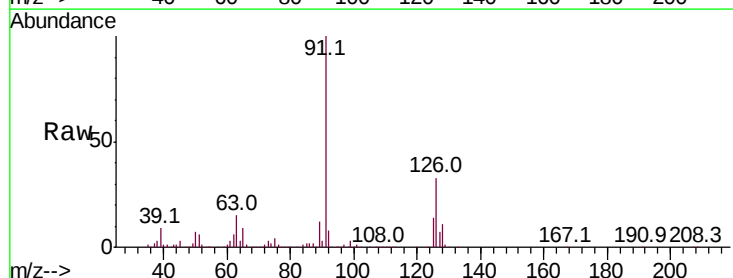
Manual Integrations
APPROVED

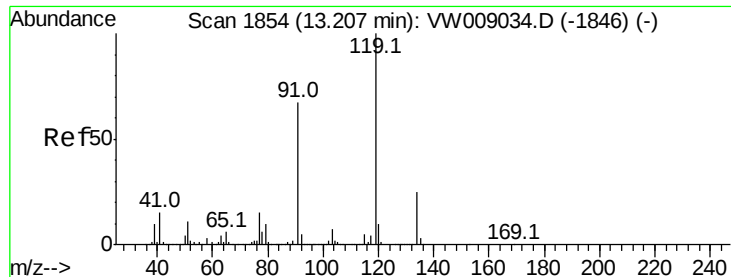
MMDadoda
3/11/2019 2:53:34 PM



#82
4-Chlorotoluene
Concen: 47.863 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.6	49.8





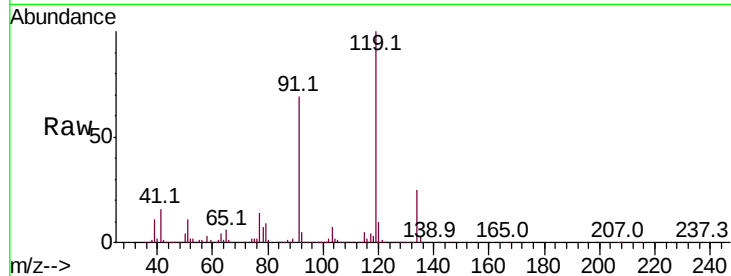
#83
tert-Butylbenzene
Concen: 45.430 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

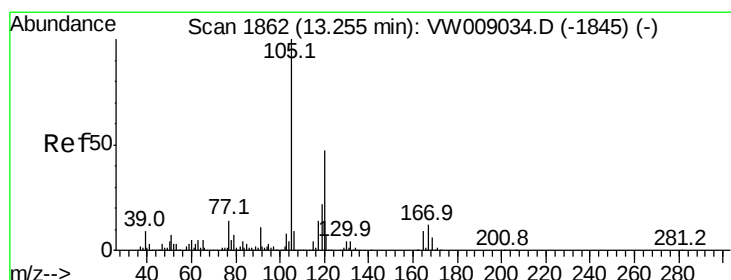
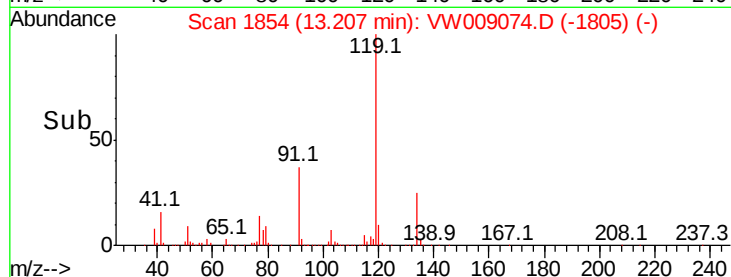
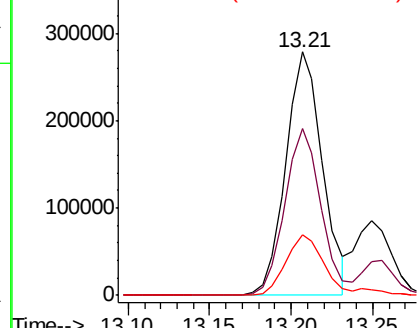
Tot Ion	Ratio	Resp	Lower	Upper
119	100	435811		
91	68.2	34.2	102.5	
134	25.4	13.9	41.6	

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM

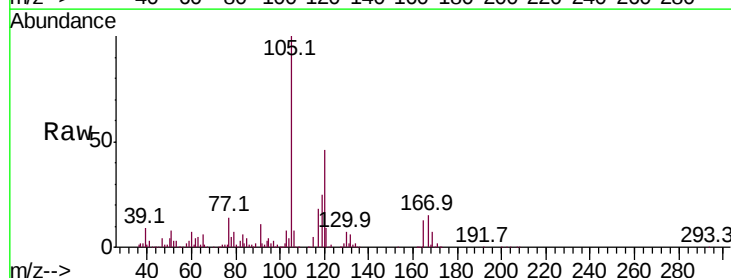


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

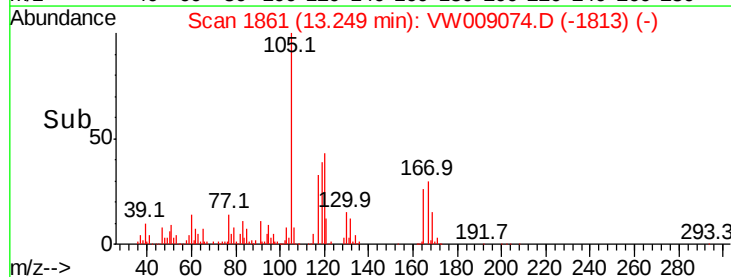
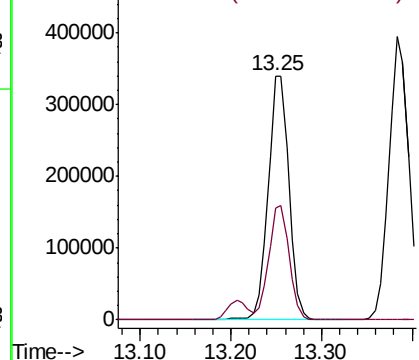


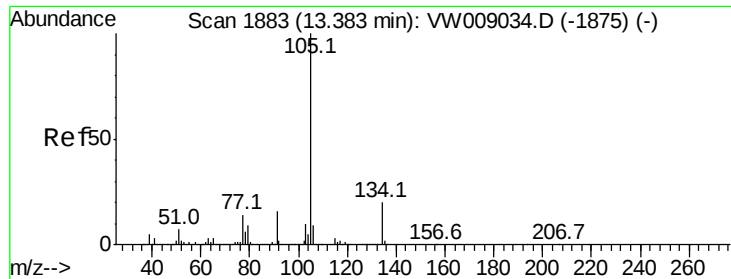
#84
1,2,4-Trimethylbenzene
Concen: 46.658 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	536859		
120	46.1	22.8	68.4	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 41.927 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:105 Resp: 595910

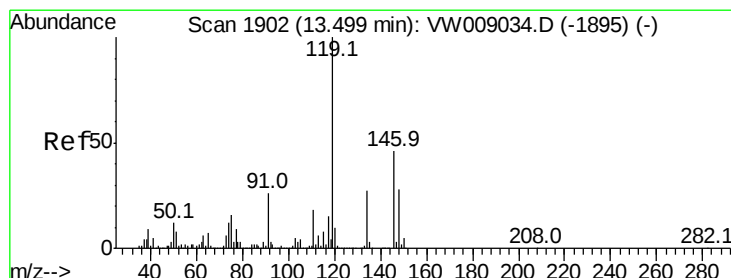
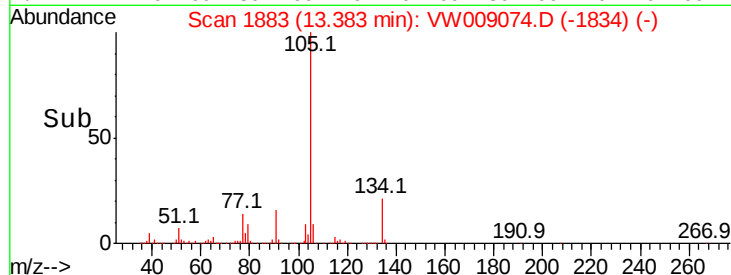
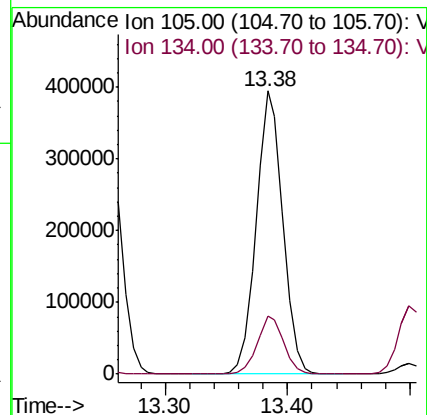
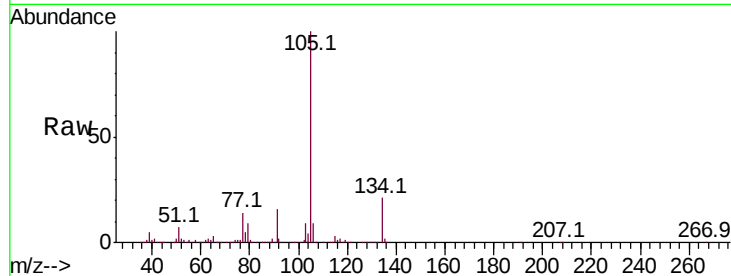
Ion Ratio Lower Upper

105 100

134 20.4 10.0 30.0

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#86

p-Isopropyltoluene

Concen: 42.007 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

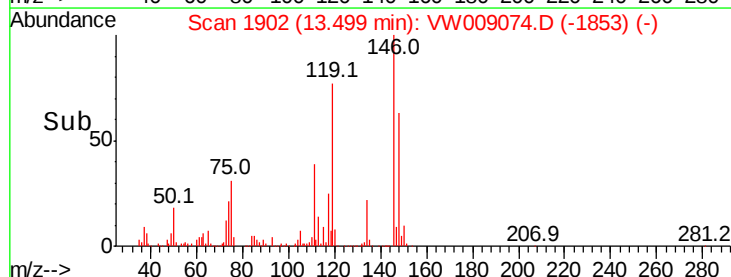
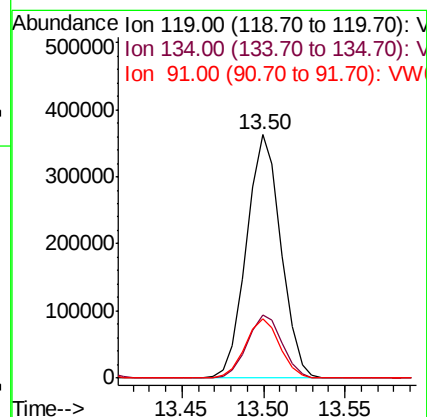
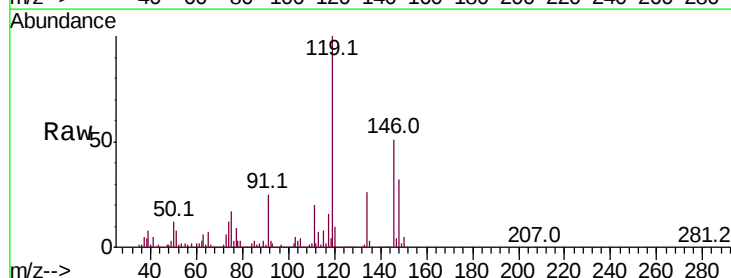
Tgt Ion:119 Resp: 534114

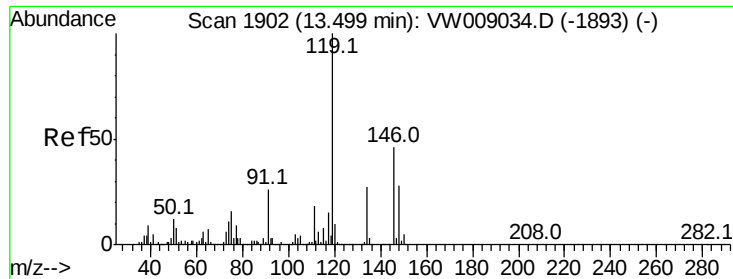
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 24.4 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 46.879 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009074.D

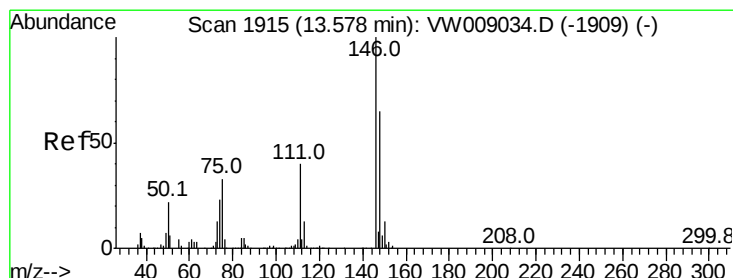
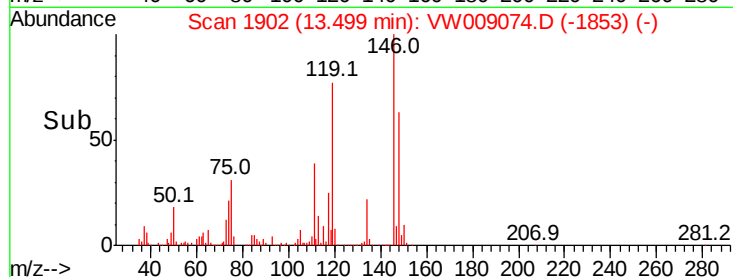
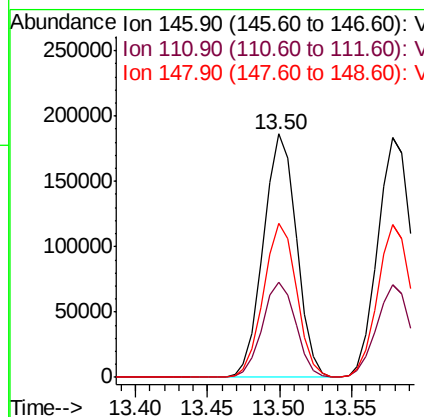
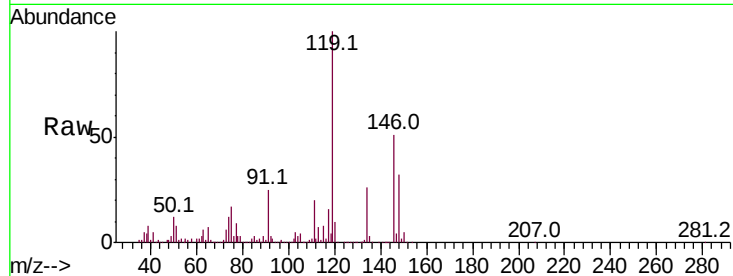
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.4
148	63.1	31.6	94.8

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#88

1,4-Dichlorobenzene

Concen: 47.309 ug/l

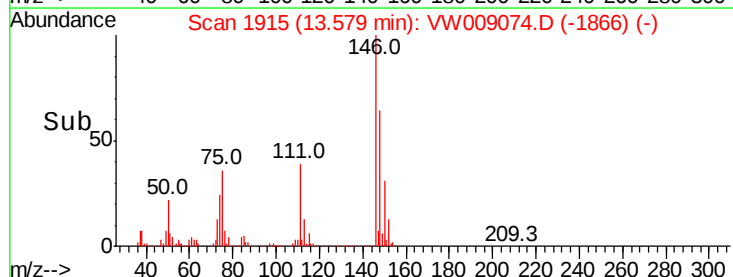
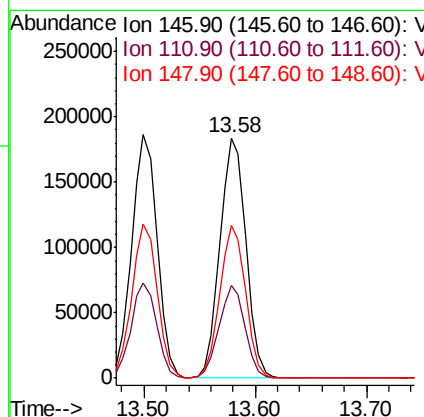
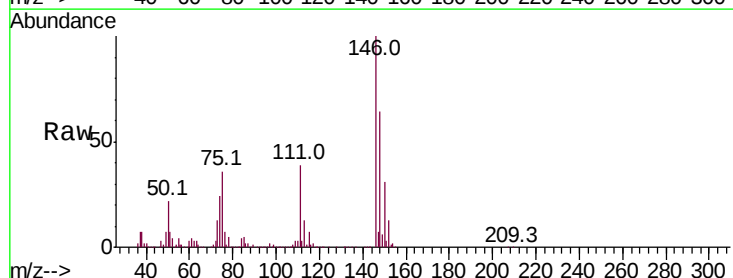
RT: 13.58 min Scan# 1915

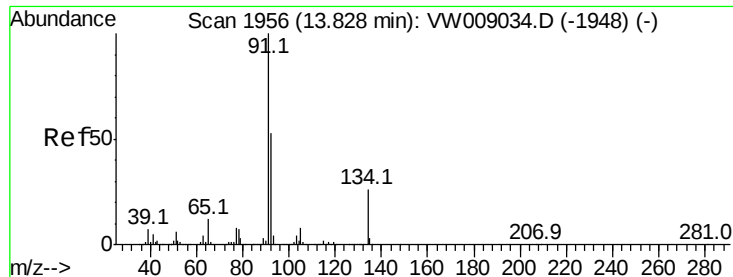
Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.0
148	63.1	32.2	96.6





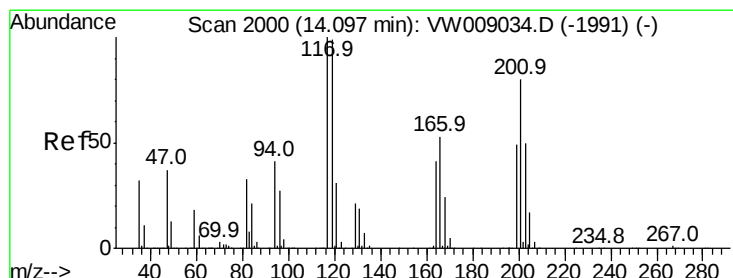
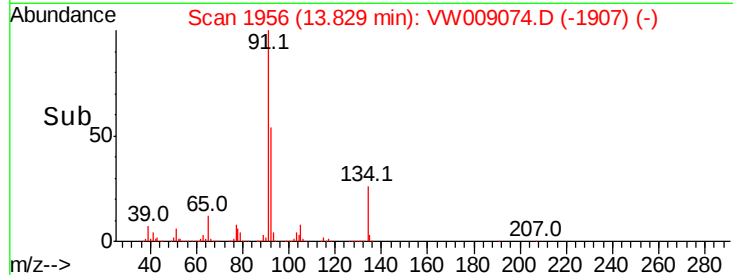
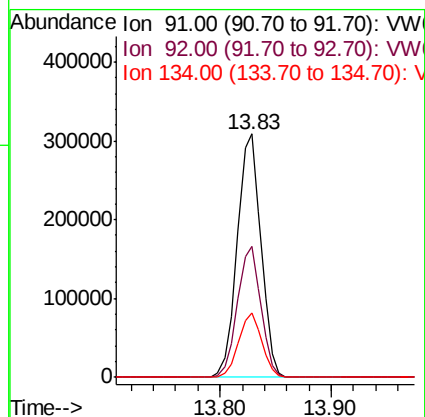
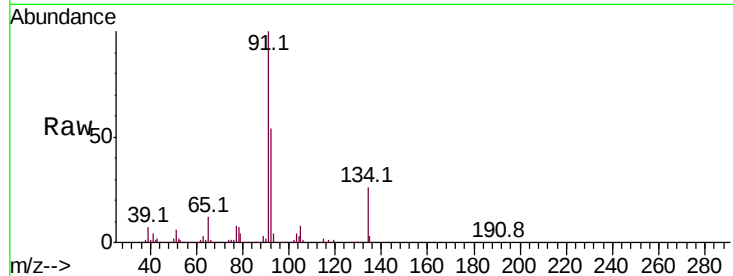
#89
n-Butylbenzene
Concen: 37.549 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.8	80.3	
134	26.0	12.9	38.7	

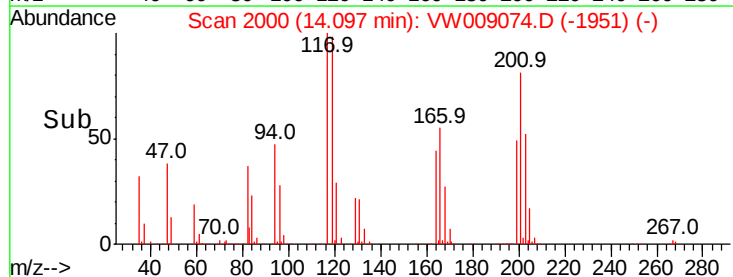
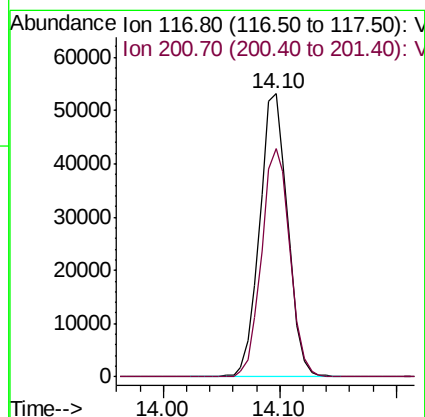
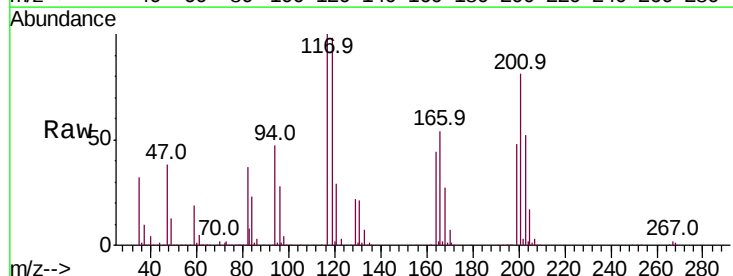
Manual Integrations
APPROVED

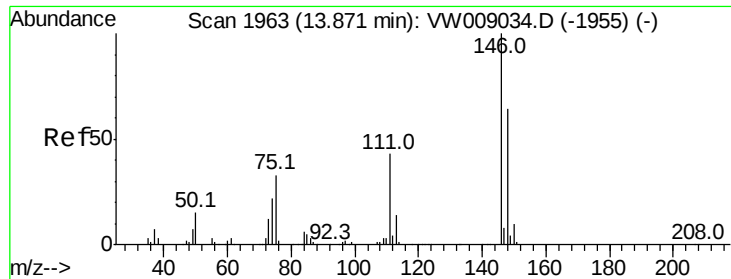
MMDadoda
3/11/2019 2:53:34 PM



#90
Hexachloroethane
Concen: 40.823 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009074.D
Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	80.9	39.1	117.5	





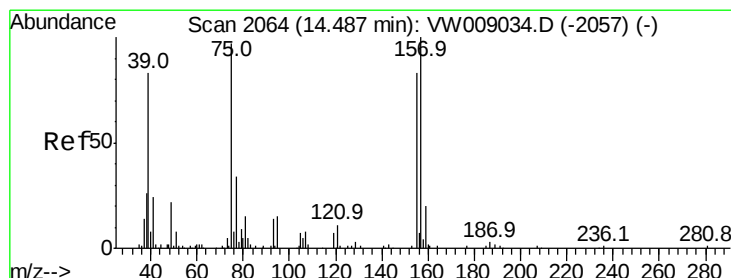
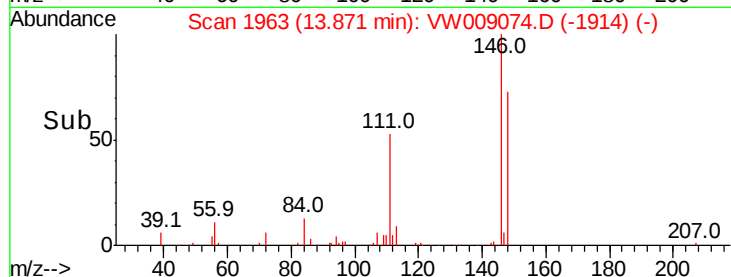
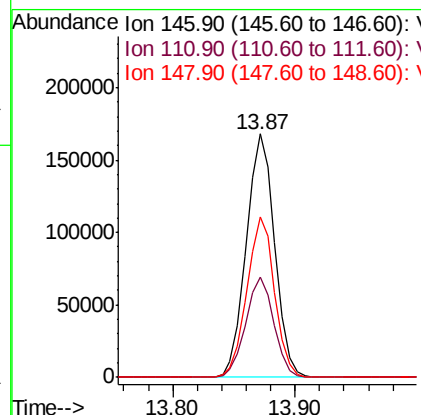
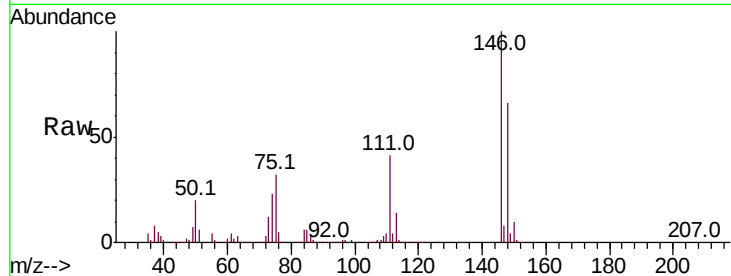
#91
 1,2-Dichlorobenzene
 Concen: 48.295 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.1
148	64.1	32.3	96.9

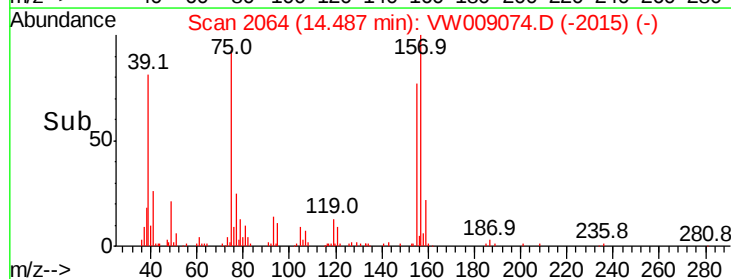
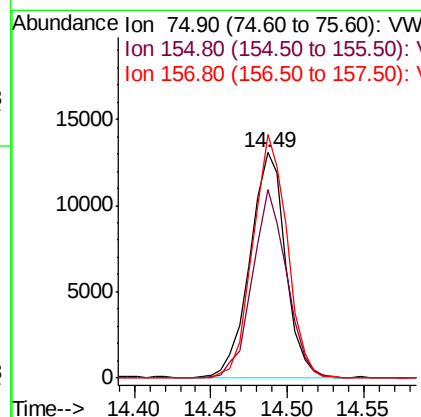
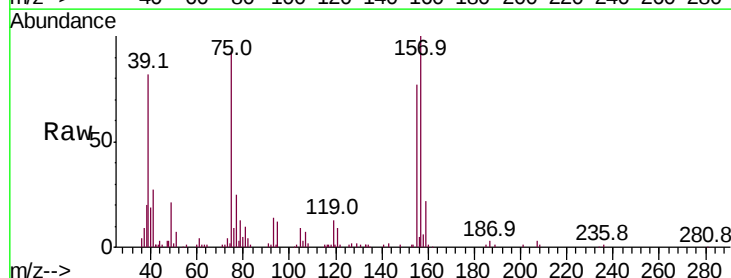
Manual Integrations
 APPROVED

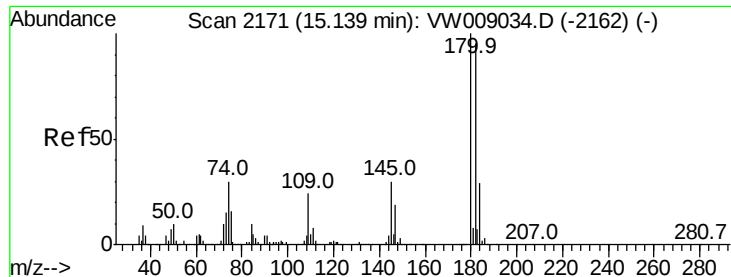
MMDadoda
 3/11/2019 2:53:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.996 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.8	122.4
157	104.1	52.4	157.3





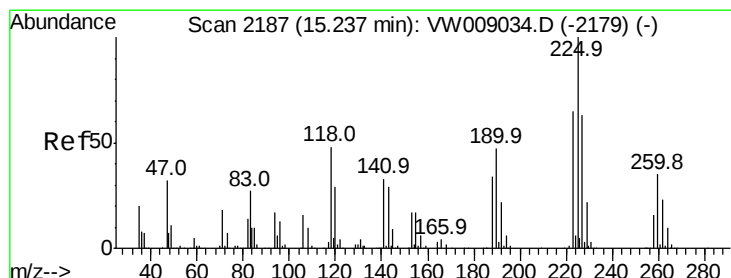
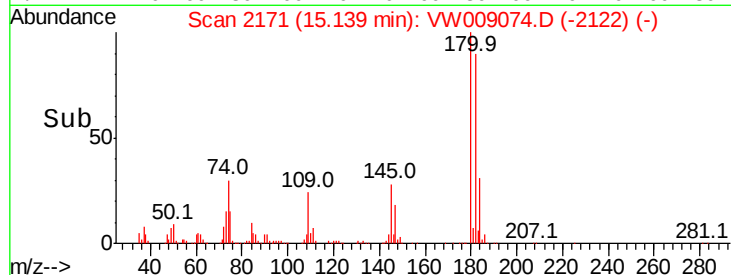
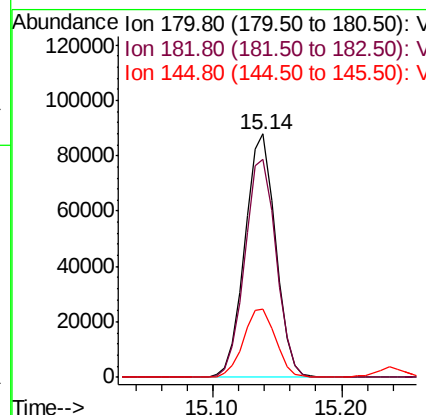
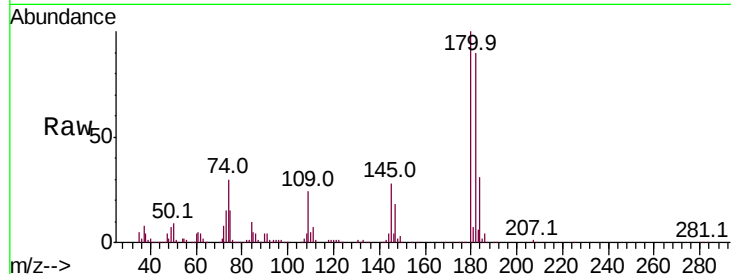
#93
 1,2,4-Trichlorobenzene
 Concen: 38.195 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144204		
182	92.2	48.1	144.3	
145	29.5	15.4	46.1	

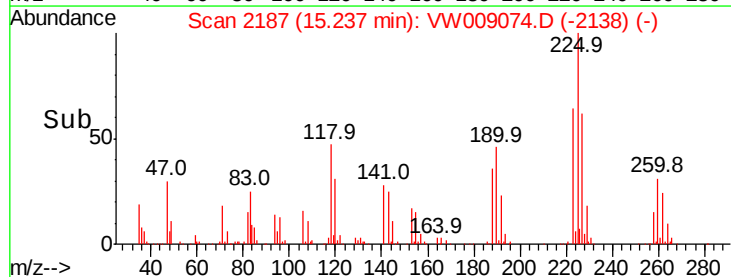
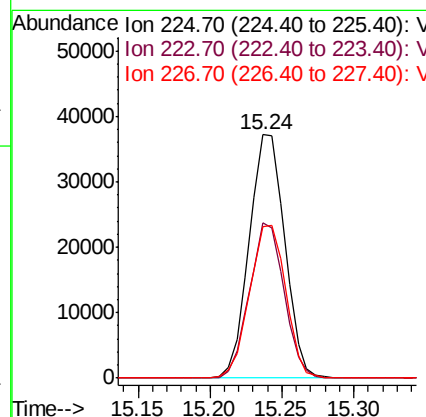
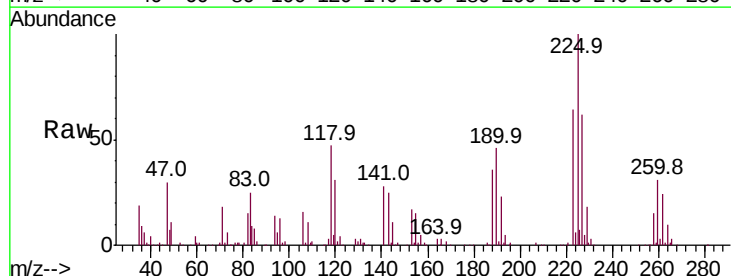
Manual Integrations
 APPROVED

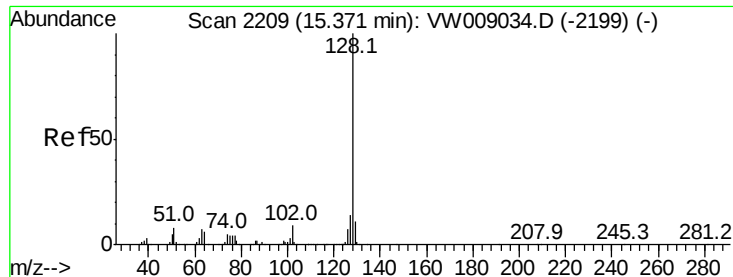
MMDadoda
 3/11/2019 2:53:34 PM



#94
 Hexachlorobutadiene
 Concen: 26.786 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009074.D
 Acq: 08 Mar 2019 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63345		
223	62.4	31.6	94.8	
227	63.8	32.0	96.2	





#95

Naphthalene

Concen: 46.480 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Instrument :

MSVOA_W

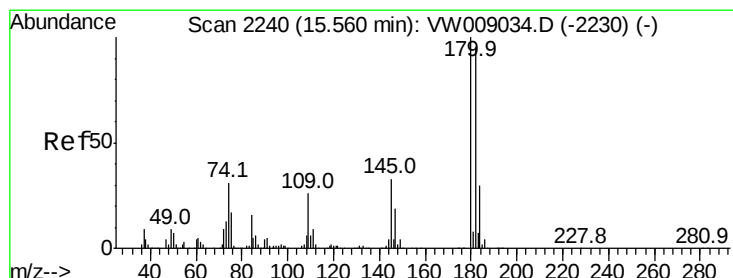
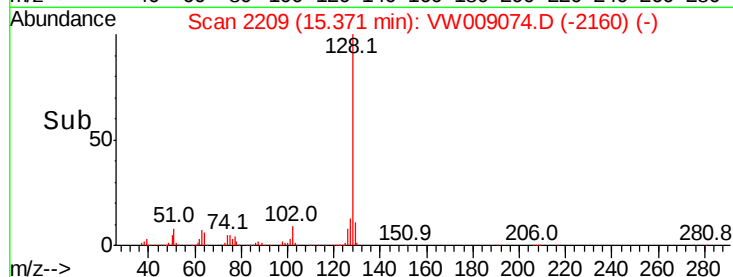
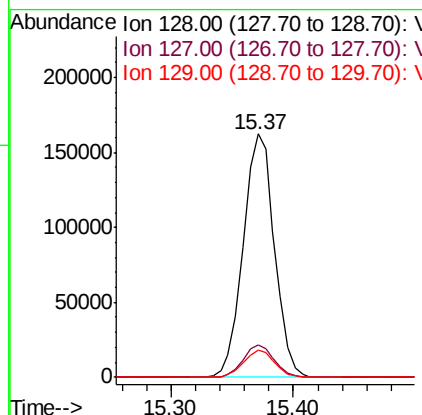
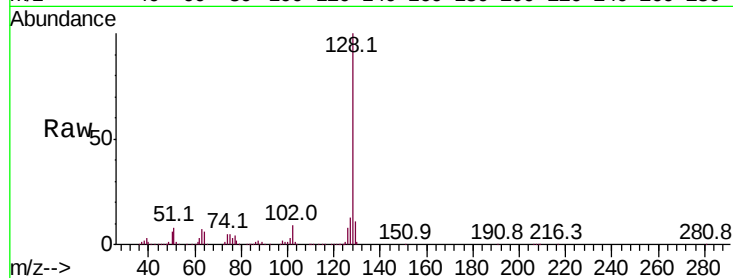
ClientSampleId :

SD2-0.5-1.0MS

Tot Ion:	128	Resp:	287258
Ion Ratio	Lower	Upper	
128	100		
127	13.1	11.0	16.6
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 38.405 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009074.D

Acq: 08 Mar 2019 23:59

Tgt Ion:	180	Resp:	127501
Ion Ratio	Lower	Upper	
180	100		
182	93.6	48.1	144.3
145	30.6	15.8	47.3

