

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008495.D
 Acq On : 01 Feb 2019 21:17
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:34:05 PM

Quant Time: Feb 02 03:47:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	336606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	242537	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	189298	57.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.48%	
35) Dibromofluoromethane	7.88	113	180821	58.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.96%	
50) Toluene-d8	10.32	98	670053	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.62	95	249200	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	85960	44.569	ug/l	100
3) Chloromethane	2.21	50	124917	45.464	ug/l	99
4) Vinyl Chloride	2.37	62	163736	46.813	ug/l	95
5) Bromomethane	2.78	94	135247	59.950	ug/l	97
6) Chloroethane	2.92	64	122040	57.053	ug/l	99
7) Trichlorofluoromethane	3.25	101	130909	43.689	ug/l	97
8) Diethyl Ether	3.67	74	96813	57.673	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	165592	54.391	ug/l	97
10) Methyl Iodide	4.26	142	273198	56.813	ug/l	98
11) Tert butyl alcohol	5.18	59	76443	287.122	ug/l	99
12) 1,1-Dichloroethene	4.03	96	162626	52.783	ug/l	96
13) Acrolein	3.89	56	72817	308.989	ug/l	97
14) Allyl chloride	4.66	41	282051	48.209	ug/l	98
15) Acrylonitrile	5.36	53	217297	299.780	ug/l	99
16) Acetone	4.12	43	185690	250.054	ug/l	95
17) Carbon Disulfide	4.37	76	457379	46.481	ug/l	98
18) Methyl Acetate	4.67	43	121751	61.470	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	312427	61.288	ug/l	98
20) Methylene Chloride	4.91	84	183480	53.607	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	179093	51.704	ug/l	96
22) Diisopropyl ether	6.31	45	572023	51.588	ug/l	98
23) Vinyl Acetate	6.25	43	1774232	270.985	ug/l	98
24) 1,1-Dichloroethane	6.21	63	325576	51.873	ug/l	99
25) 2-Butanone	7.17	43	297049	287.990	ug/l	98
26) 2,2-Dichloropropane	7.16	77	199448	47.012	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	205464	54.427	ug/l	96
28) Bromochloromethane	7.51	49	148227	51.418	ug/l	93
29) Tetrahydrofuran	7.52	42	195482	299.069	ug/l	96
30) Chloroform	7.67	83	336487	54.506	ug/l	100
31) Cyclohexane	7.95	56	274564	42.306	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	276123	51.785	ug/l	98
36) 1,1-Dichloropropene	8.08	75	250585	50.167	ug/l	98
37) Ethyl Acetate	7.25	43	135017	61.095	ug/l	98
38) Carbon Tetrachloride	8.06	117	265197	52.760	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008495.D
 Acq On : 01 Feb 2019 21:17
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:34:05 PM

Quant Time: Feb 02 03:47:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	309744	47.204	ug/l	97
40) Benzene	8.32	78	728256	52.542	ug/l	99
41) Methacrylonitrile	7.48	41	70734	54.056	ug/l	89
42) 1,2-Dichloroethane	8.40	62	230742	57.445	ug/l	100
43) Isopropyl Acetate	8.42	43	273741	59.623	ug/l	98
44) Trichloroethene	9.09	130	204782	54.331	ug/l	99
45) 1,2-Dichloropropane	9.37	63	183615	53.130	ug/l	96
46) Dibromomethane	9.46	93	105441	59.319	ug/l	97
47) Bromodichloromethane	9.64	83	261600	55.640	ug/l	100
48) Methyl methacrylate	9.43	41	125066	55.710	ug/l	93
49) 1,4-Dioxane	9.45	88	34332	1142.656	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	686599	302.706	ug/l	99
52) Toluene	10.38	92	467860	51.134	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	269168	53.803	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	301210	53.054	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	146774	59.530	ug/l	98
56) Ethyl methacrylate	10.65	69	198271	57.391	ug/l	97
57) 1,3-Dichloropropane	10.93	76	256597	58.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	495287	295.066	ug/l	96
59) 2-Hexanone	10.97	43	477325	298.093	ug/l	100
60) Dibromochloromethane	11.13	129	187818	59.278	ug/l	98
61) 1,2-Dibromoethane	11.23	107	145040	59.328	ug/l	100
64) Tetrachloroethene	10.86	164	179625	55.169	ug/l	98
65) Chlorobenzene	11.66	112	528857	53.874	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	194451	55.364	ug/l	99
67) Ethyl Benzene	11.73	91	907028	50.266	ug/l	98
68) m/p-Xylenes	11.84	106	705511	100.770	ug/l	97
69) o-Xylene	12.16	106	340006	51.112	ug/l	97
70) Styrene	12.18	104	561272	51.080	ug/l	98
71) Bromoform	12.35	173	114750	58.069	ug/l #	100
73) Isopropylbenzene	12.46	105	917270	50.729	ug/l	99
74) N-amyl acetate	12.27	43	257518	55.284	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	173099	60.468	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	121423m	57.582	ug/l	
77) Bromobenzene	12.75	156	223902	56.700	ug/l	93
78) n-propylbenzene	12.80	91	1080709	49.763	ug/l	98
79) 2-Chlorotoluene	12.90	91	622412	50.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	766519	50.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	58032	54.355	ug/l	99
82) 4-Chlorotoluene	12.99	91	654182	50.138	ug/l	97
83) tert-Butylbenzene	13.21	119	668987	49.743	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	784090	51.043	ug/l	100
85) sec-Butylbenzene	13.38	105	961414	50.056	ug/l	100
86) p-Isopropyltoluene	13.50	119	851446	50.608	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	432615	54.246	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	425162	53.644	ug/l	99
89) n-Butylbenzene	13.83	91	807085	48.858	ug/l	99
90) Hexachloroethane	14.10	117	168168	51.112	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	386121	54.719	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31864	58.664	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
Data File : VW008495.D
Acq On : 01 Feb 2019 21:17
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM

Quant Time: Feb 02 03:47:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	282089	56.019	ug/l	99
94) Hexachlorobutadiene	15.24	225	161251	53.135	ug/l	99
95) Naphthalene	15.37	128	546102	61.764	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	248458	58.166	ug/l	98

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

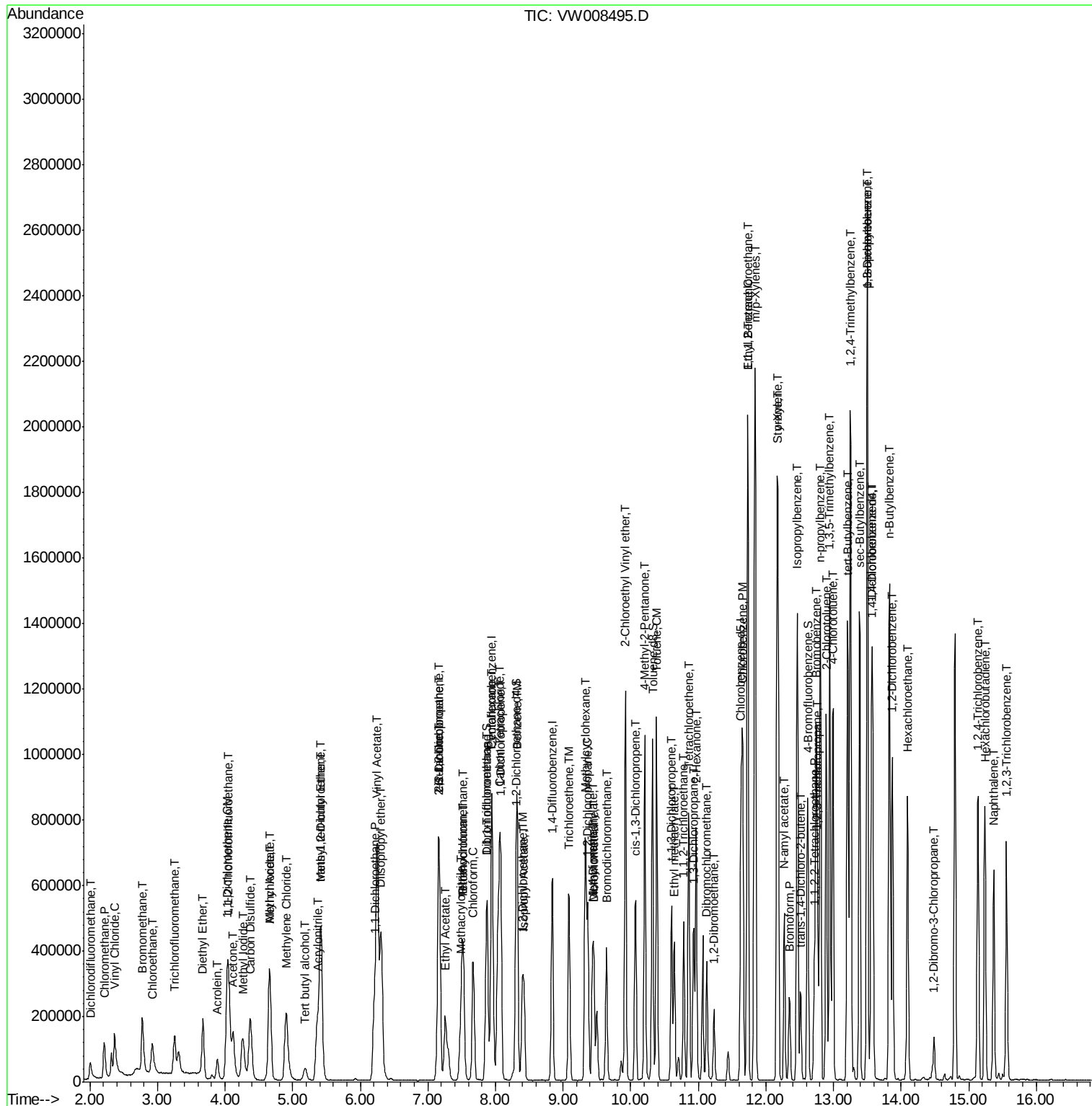
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020119\
Data File : VW008495.D
Acq On : 01 Feb 2019 21:17
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM

Quant Time: Feb 02 03:47:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 336606

Ion Ratio Lower Upper

168 100

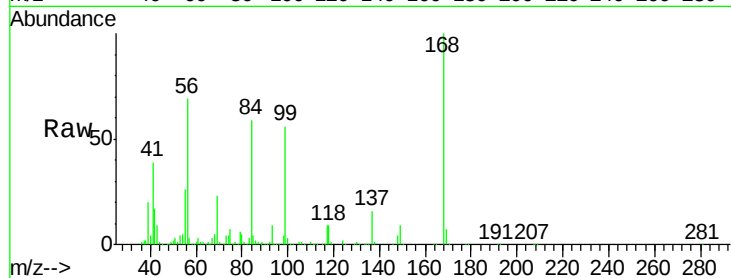
99 56.1 45.5 68.3

Manual Integrations

APPROVED

MMDadoda

2/4/2019 4:34:05 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

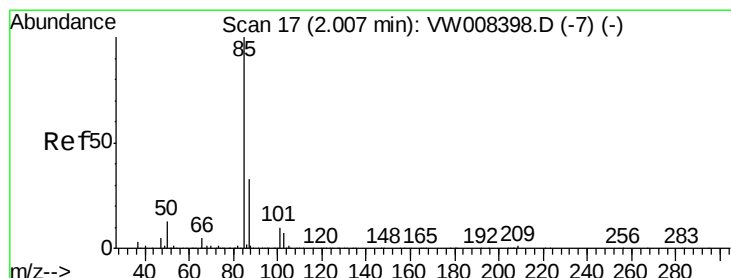
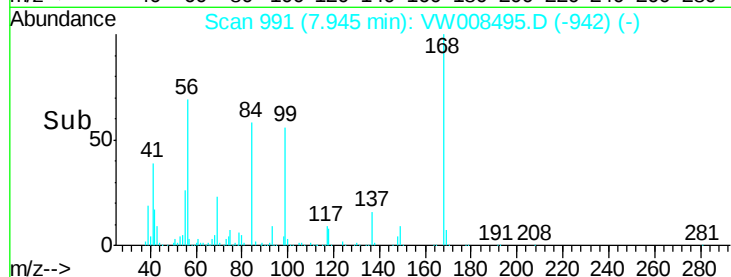
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.569 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008495.D

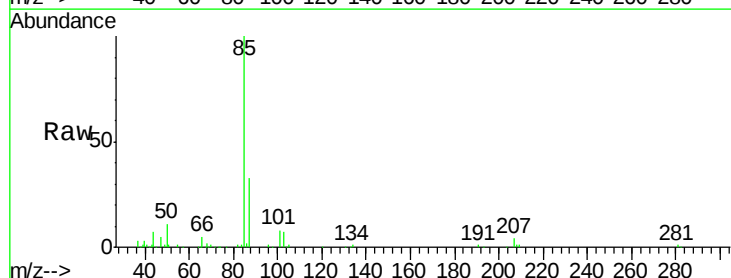
Acq: 01 Feb 2019 21:17

Tgt Ion: 85 Resp: 85960

Ion Ratio Lower Upper

85 100

87 33.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

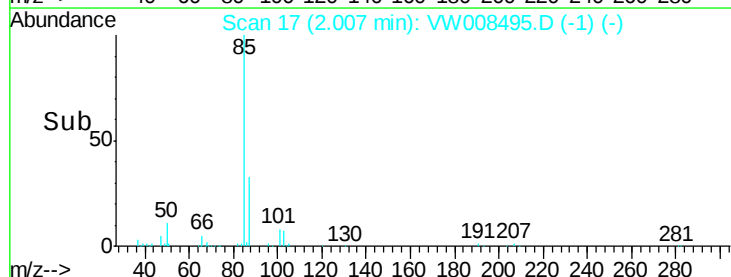
15000

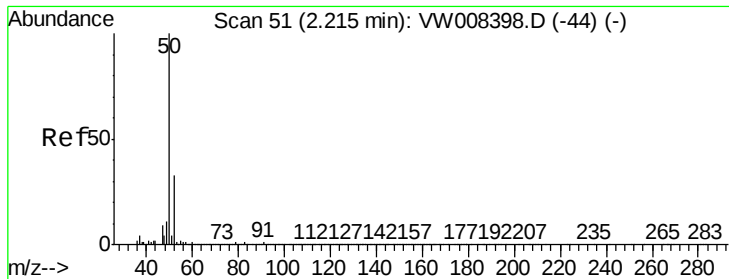
10000

5000

0

Time-->





#3

Chloromethane

Concen: 45.464 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124917

Ion Ratio Lower Upper

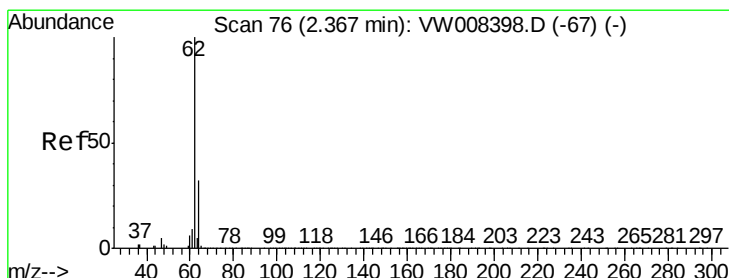
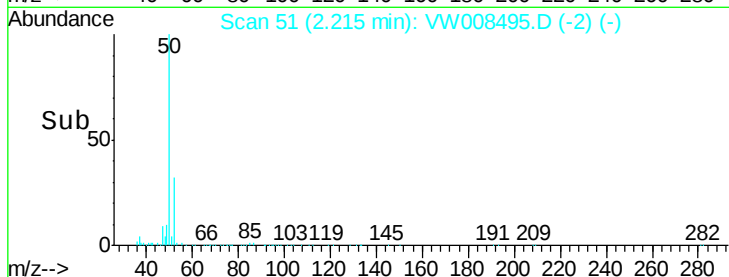
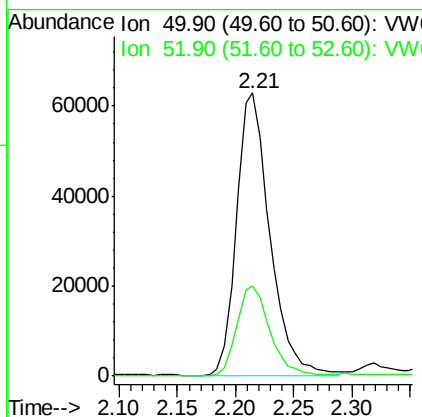
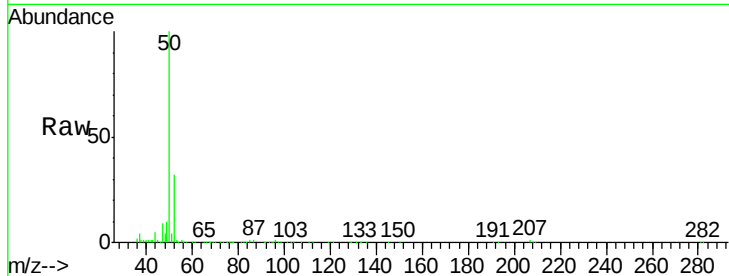
50 100

52 32.2 26.3 39.5

Manual Integrations
APPROVED

MMDadoda

2/4/2019 4:34:05 PM



#4

Vinyl Chloride

Concen: 46.813 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008495.D

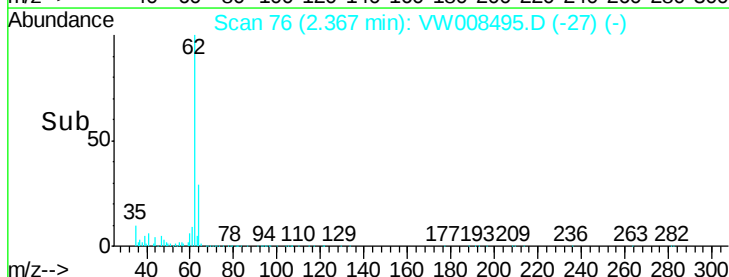
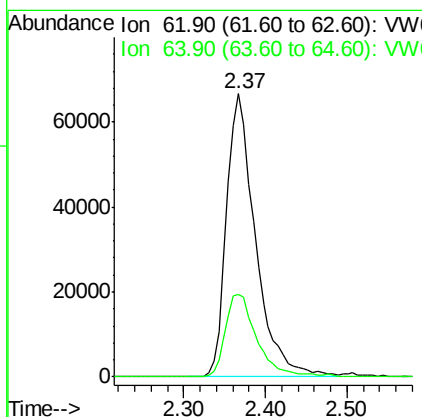
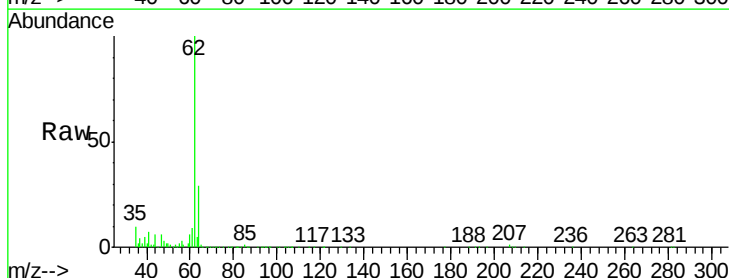
Acq: 01 Feb 2019 21:17

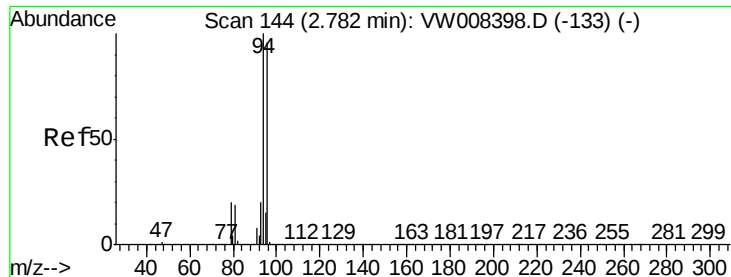
Tgt Ion: 62 Resp: 163736

Ion Ratio Lower Upper

62 100

64 29.3 25.5 38.3





#5

Bromomethane

Concen: 59.950 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 135247

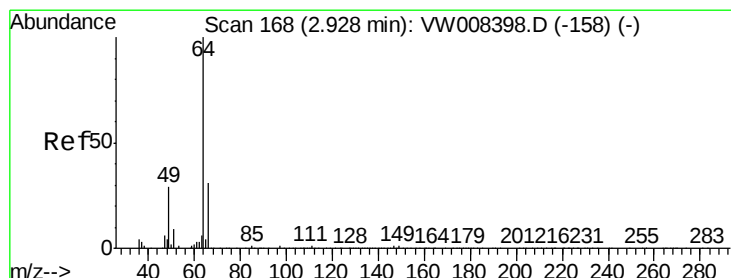
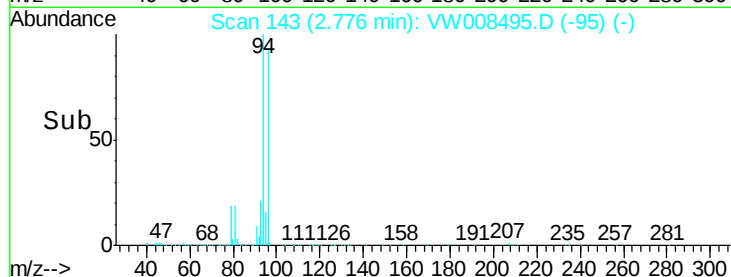
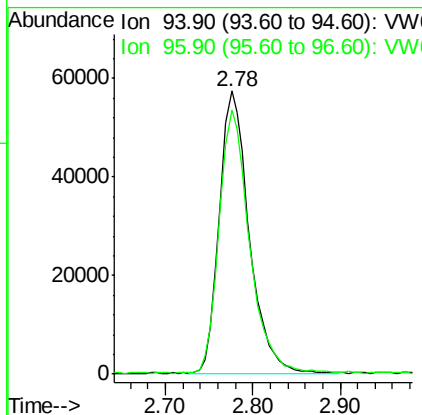
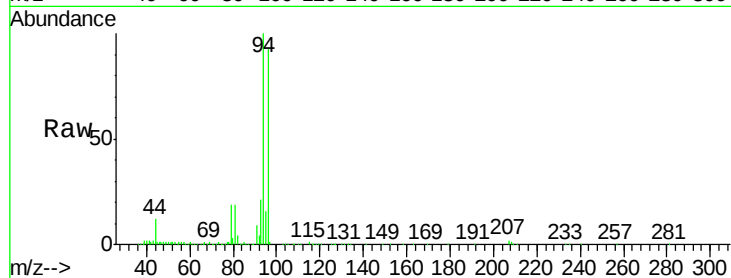
Ion Ratio Lower Upper

94 100

96 93.1 77.2 115.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#6

Chloroethane

Concen: 57.053 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008495.D

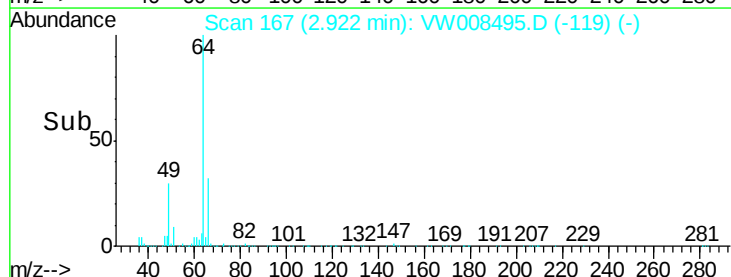
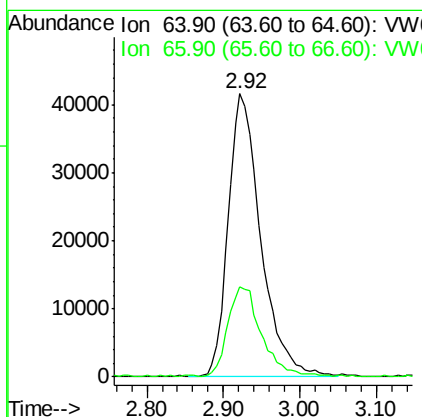
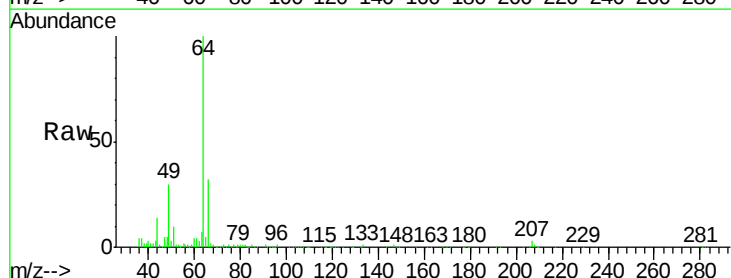
Acq: 01 Feb 2019 21:17

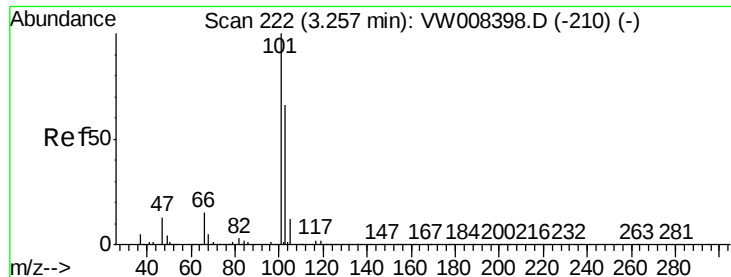
Tgt Ion: 64 Resp: 122040

Ion Ratio Lower Upper

64 100

66 31.6 24.9 37.3





#7

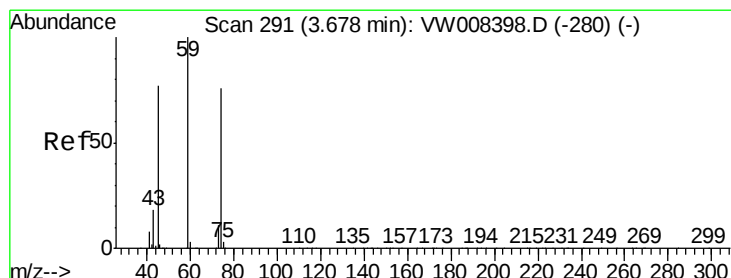
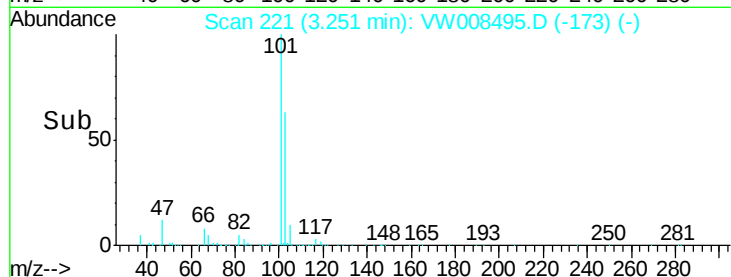
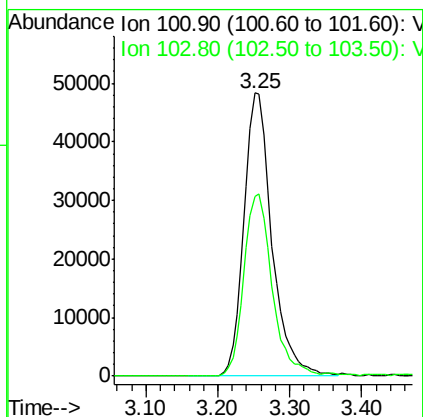
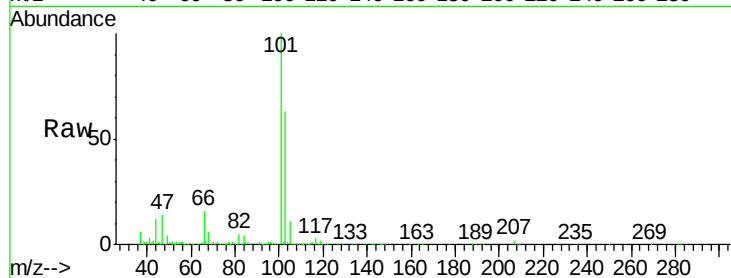
Trichlorofluoromethane
Concen: 43.689 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.5	78.7

Manual Integrations
APPROVED

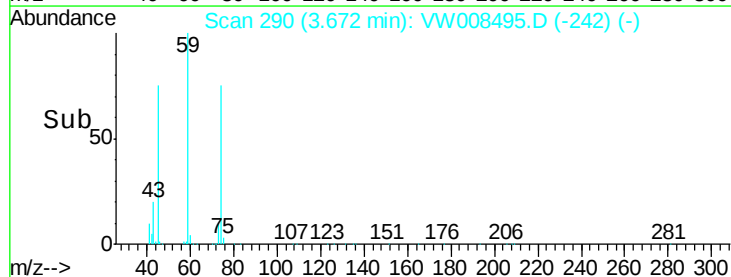
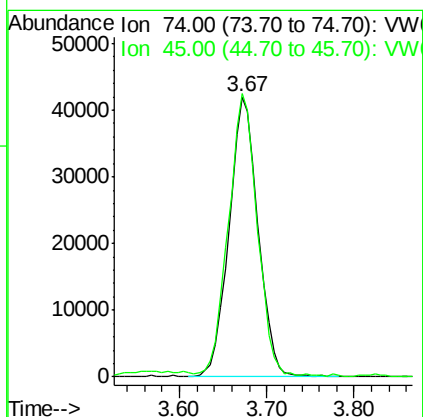
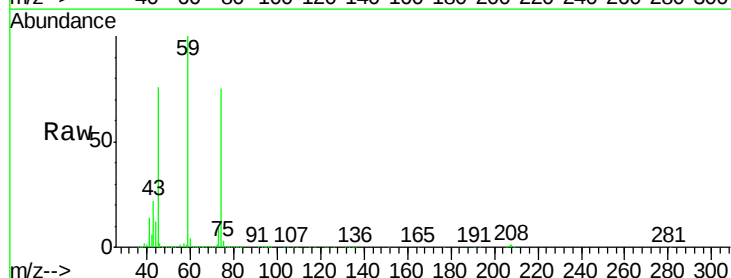
MMDadoda
2/4/2019 4:34:05 PM



#8

Diethyl Ether
Concen: 57.673 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.391 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

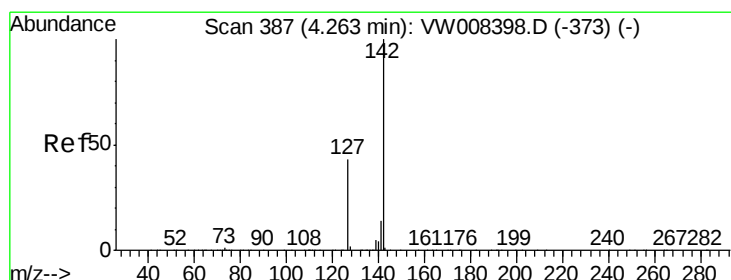
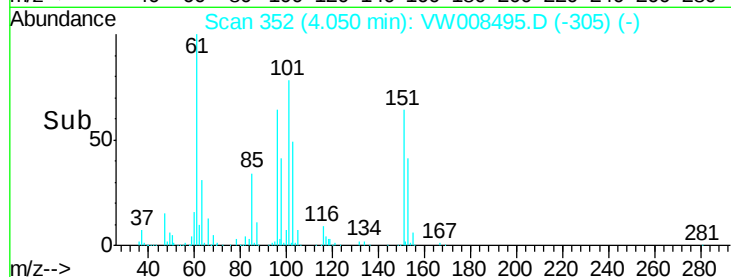
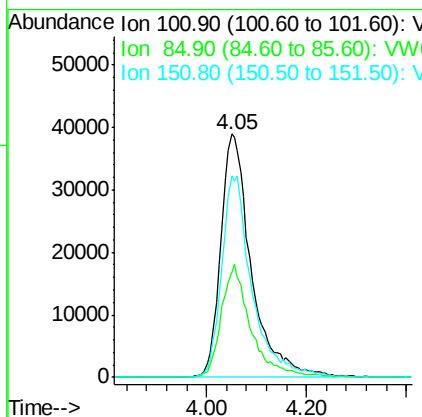
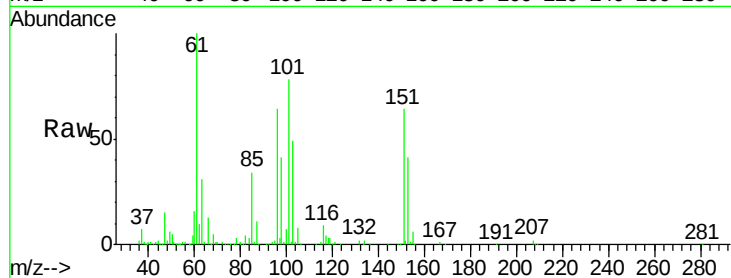
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	165592
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.0	52.4
151	81.5	62.6	94.0

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#10

Methyl Iodide

Concen: 56.813 ug/l

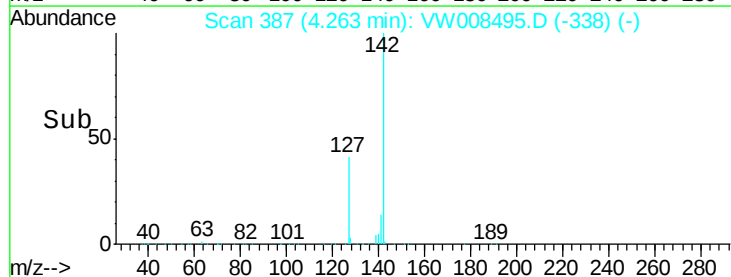
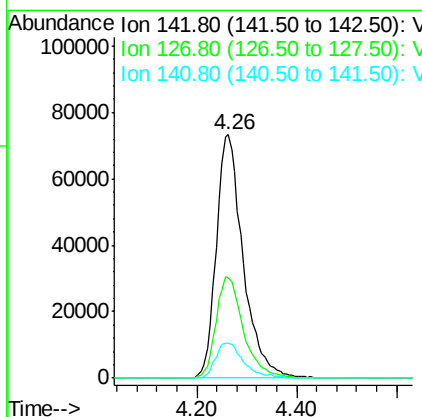
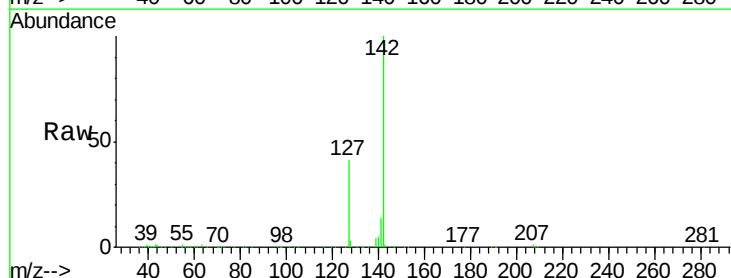
RT: 4.26 min Scan# 387

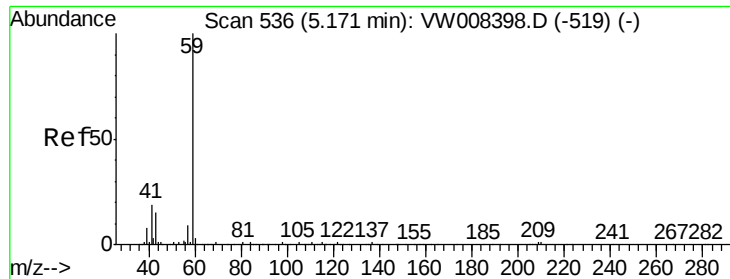
Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	142	Resp:	273198
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.6	52.0
141	15.1	11.4	17.2





#11

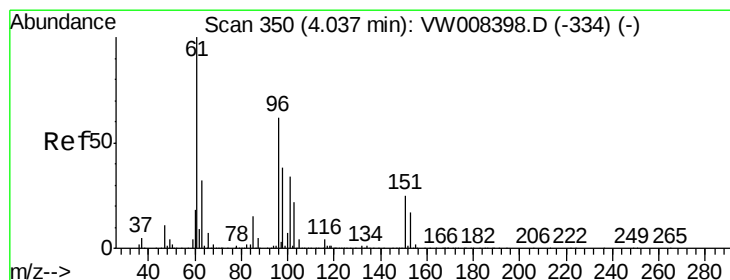
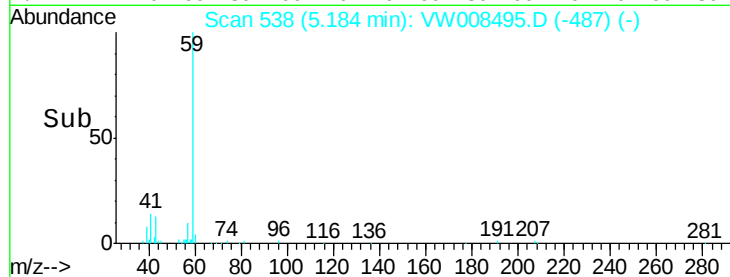
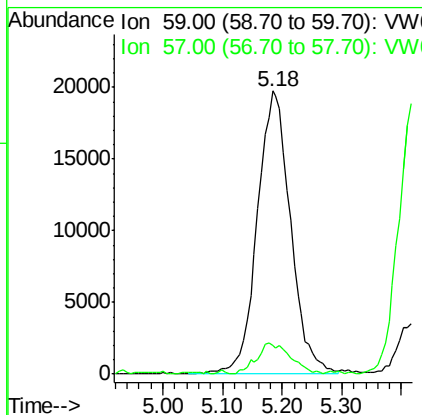
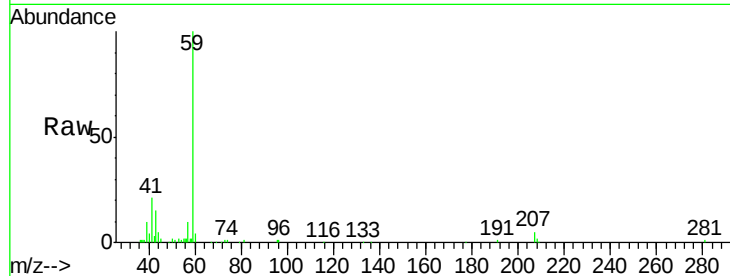
Tert butyl alcohol
Concen: 287.122 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.3	9.3	13.9

Manual Integrations
APPROVED

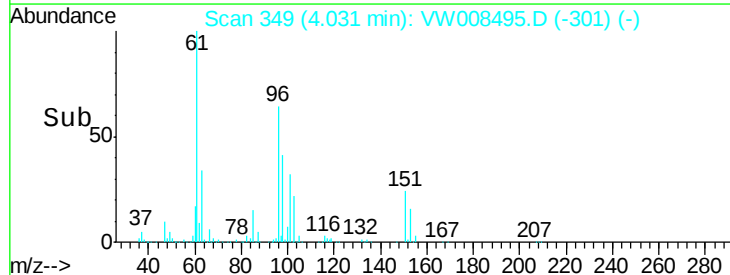
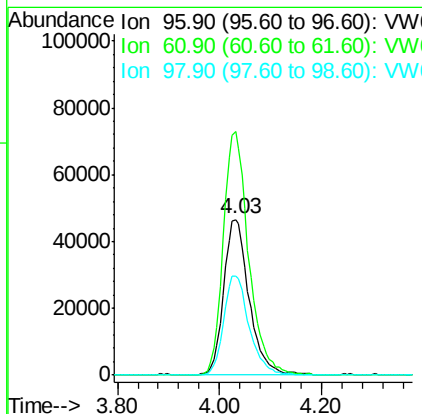
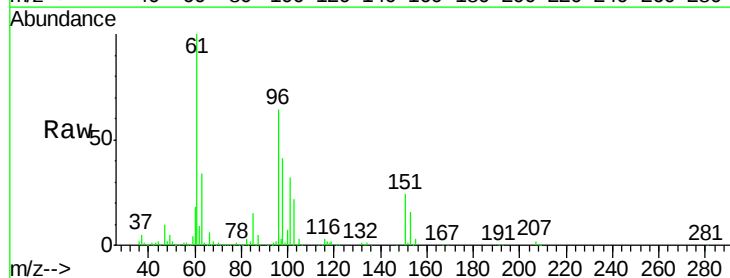
MMDadoda
2/4/2019 4:34:05 PM

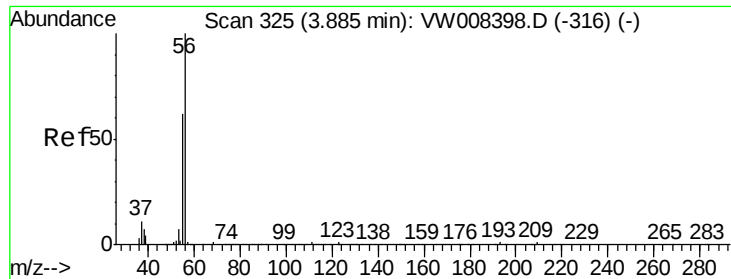


#12

1,1-Dichloroethene
Concen: 52.783 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	156.4	129.5	194.3
98	98	63.5	48.6	73.0





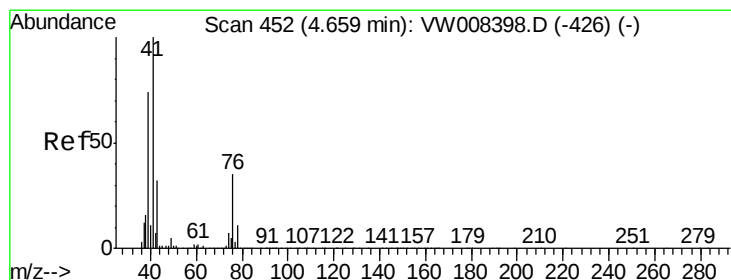
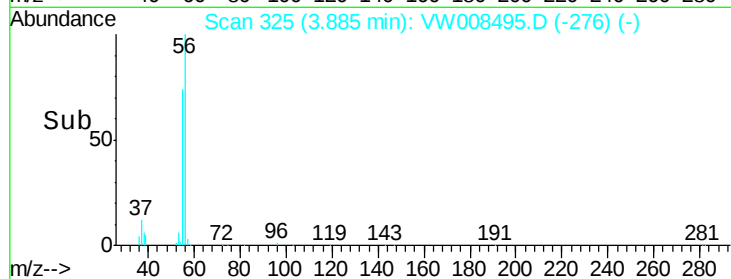
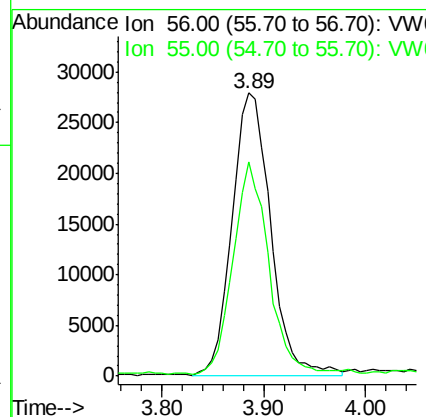
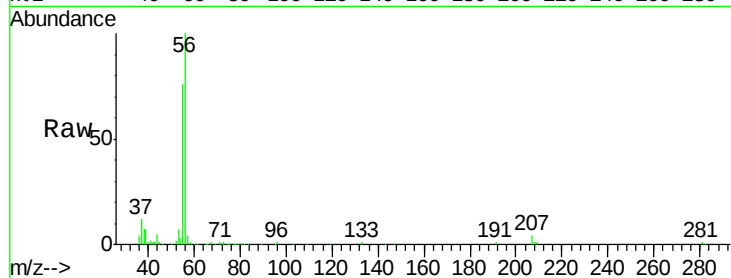
#13
Acrolein
Concen: 308.989 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	68.6	56.7	85.1

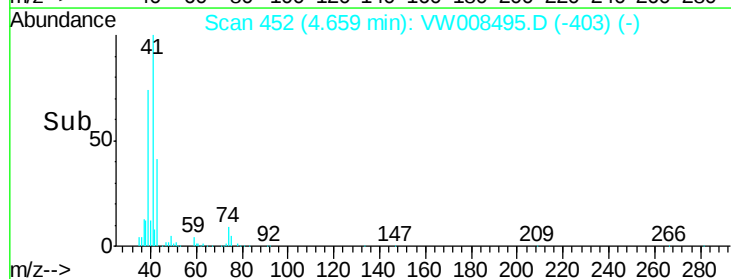
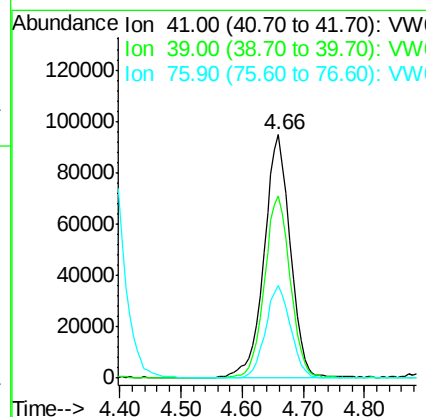
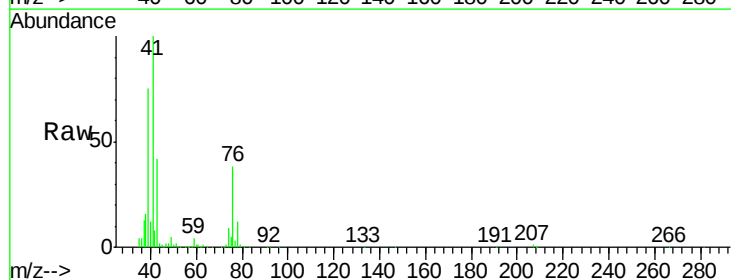
Manual Integrations
APPROVED

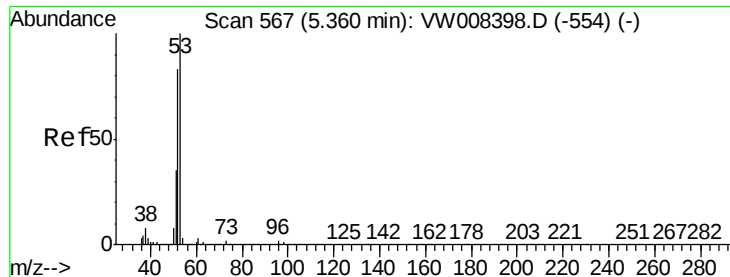
MMDadoda
2/4/2019 4:34:05 PM



#14
Allyl chloride
Concen: 48.209 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	72.7	57.7	86.5
76	76	36.5	26.9	40.3





#15

Acrylonitrile

Concen: 299.780 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

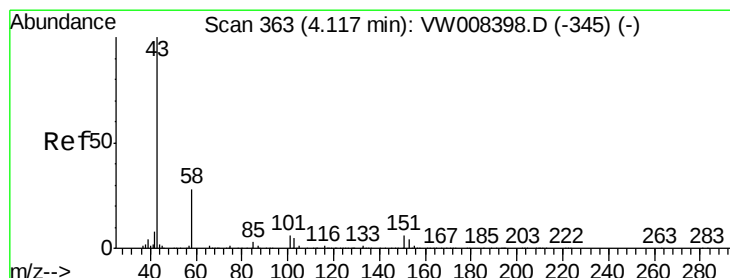
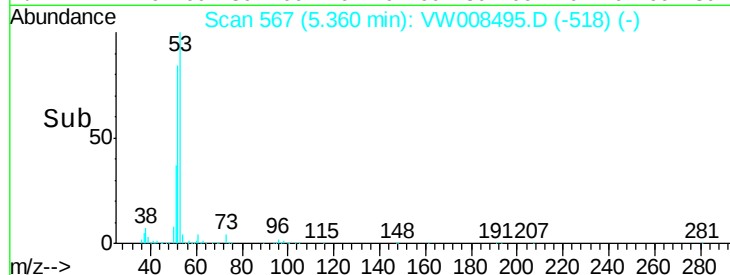
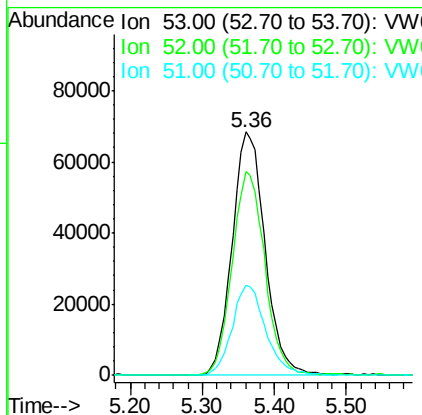
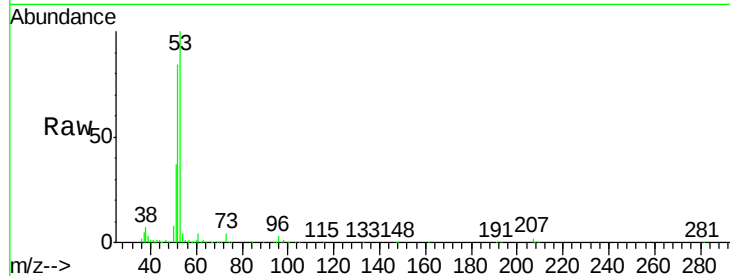
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	217297
Ion Ratio		Lower	Upper
53	100		
52	83.0	67.0	100.4
51	37.9	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#16

Acetone

Concen: 250.054 ug/l

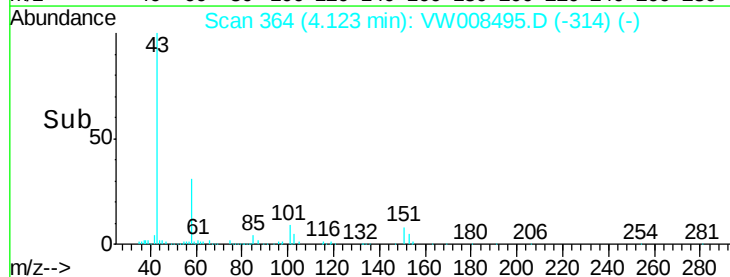
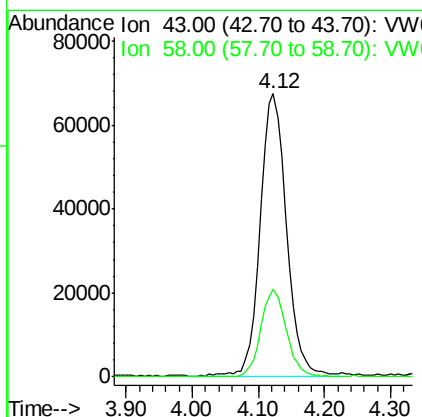
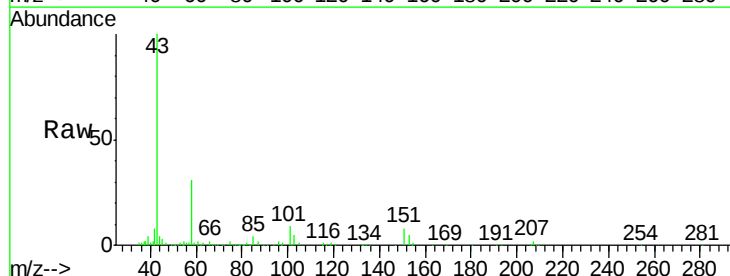
RT: 4.12 min Scan# 364

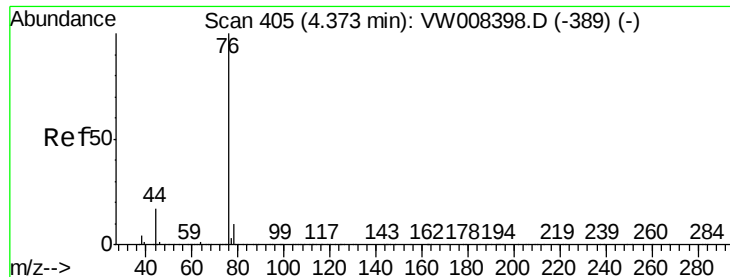
Delta R.T. 0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	43	Resp:	185690
Ion Ratio		Lower	Upper
43	100		
58	30.7	22.6	34.0





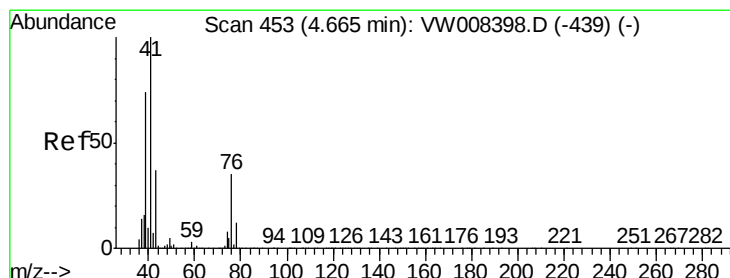
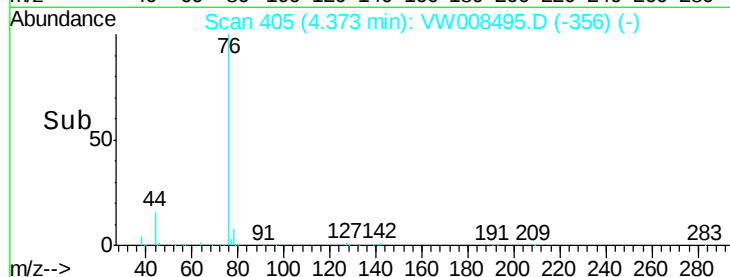
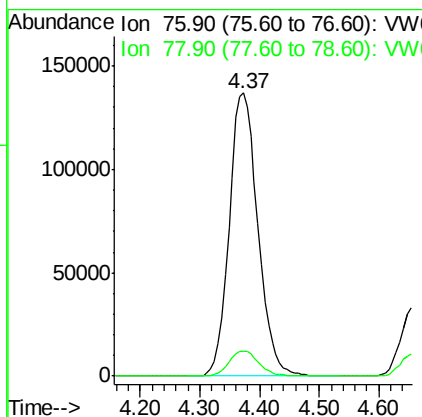
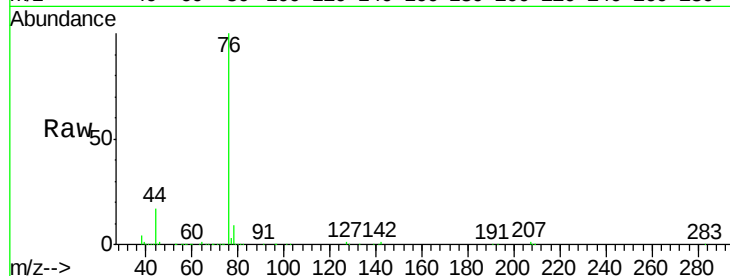
#17
Carbon Disulfide
Concen: 46.481 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.7	11.5

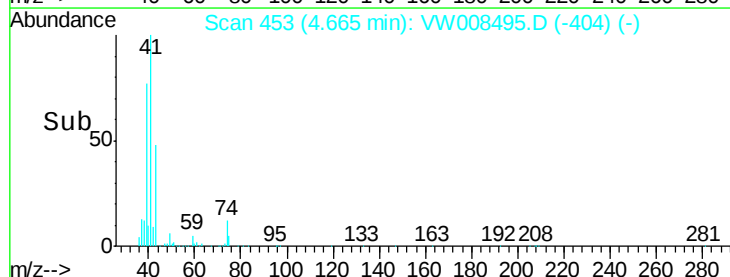
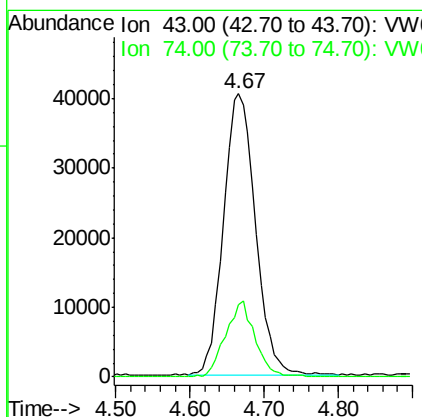
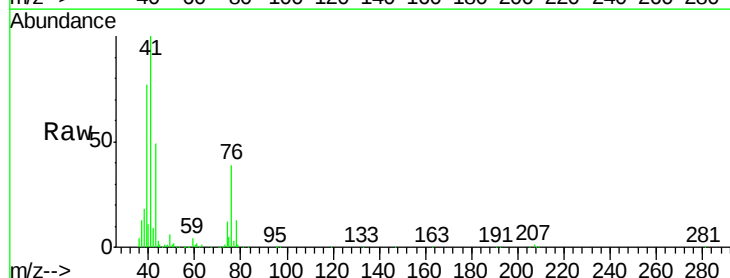
Manual Integrations
APPROVED

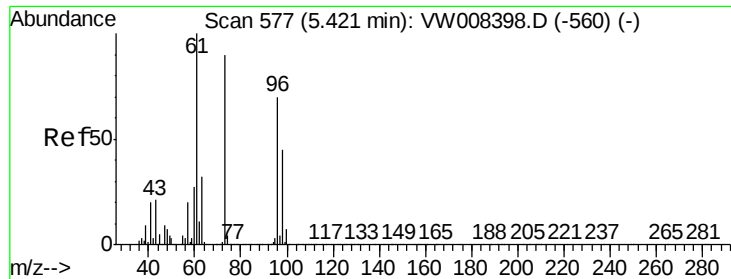
MMDadoda
2/4/2019 4:34:05 PM



#18
Methyl Acetate
Concen: 61.470 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	17.5	26.3





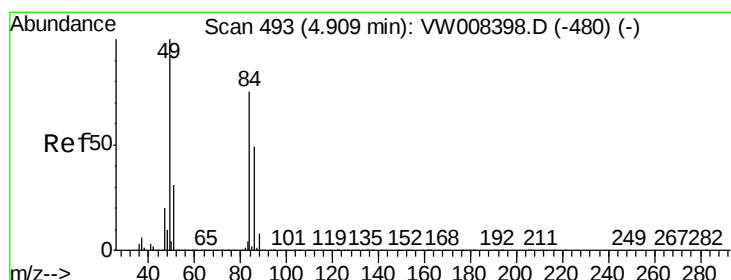
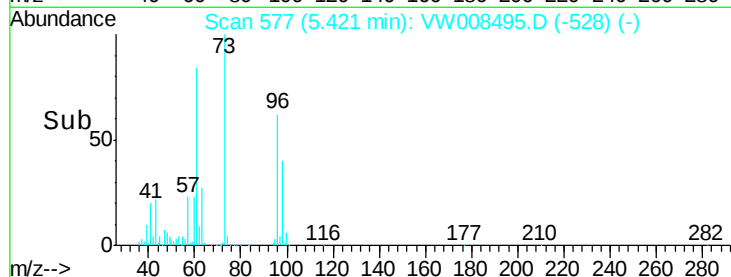
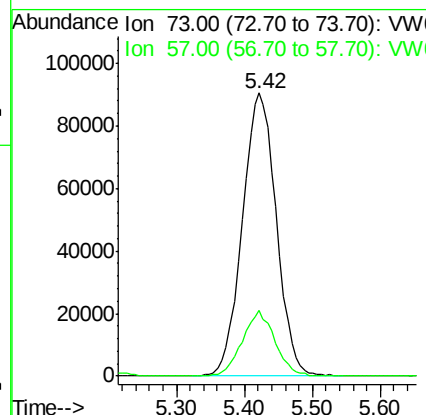
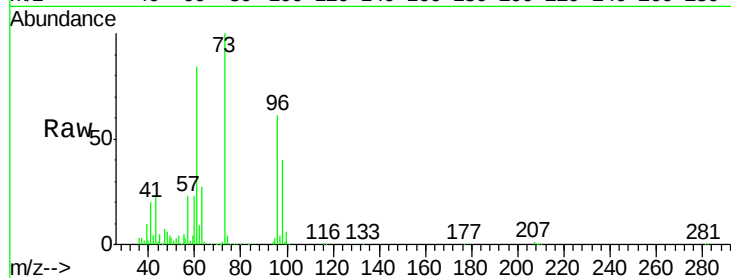
#19
Methvl tert-butvl Ether
Concen: 61.288 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 312427
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0

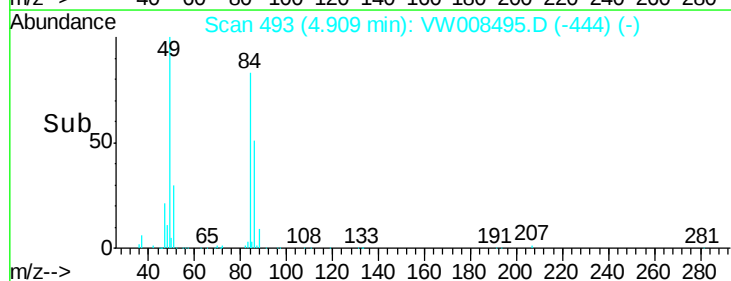
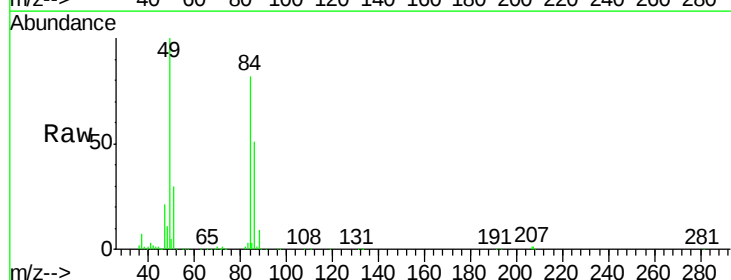
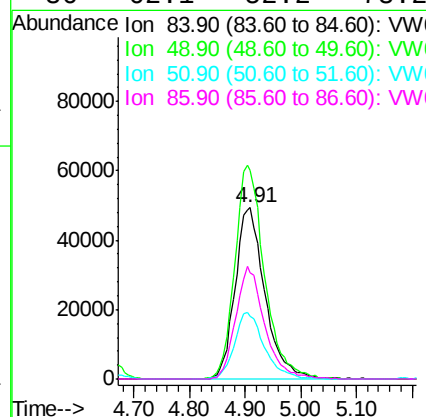
Manual Integrations
APPROVED

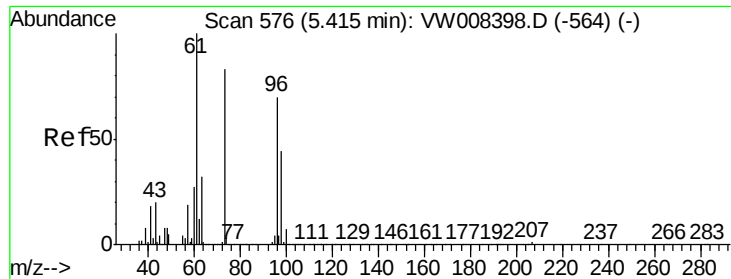
MMDadoda
2/4/2019 4:34:05 PM



#20
Methylene Chloride
Concen: 53.607 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 84 Resp: 183480
Ion Ratio Lower Upper
84 100
49 121.5 106.8 160.2
51 36.4 32.9 49.3
86 62.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.704 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

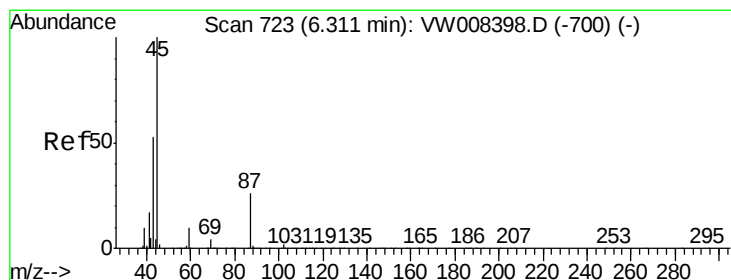
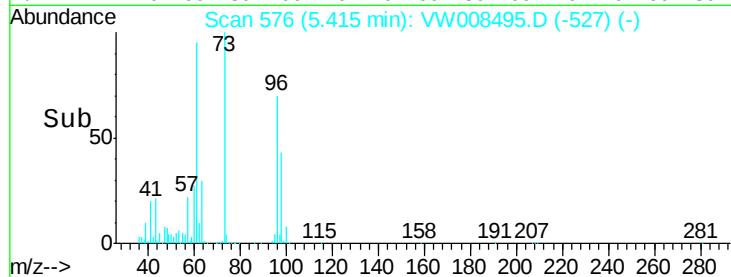
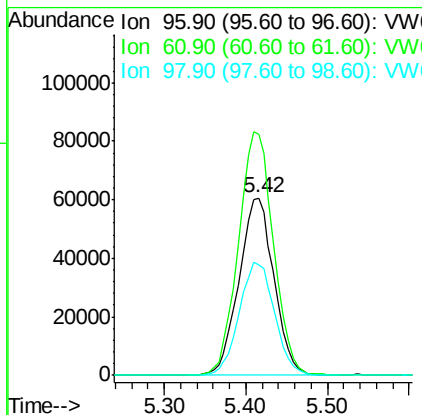
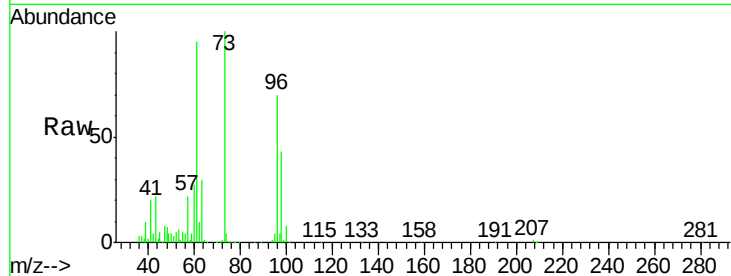
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	179093
Ion	Ratio	Lower	Upper
96	100		
61	136.1	114.4	171.6
98	62.4	50.6	75.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#22

Diisopropyl ether

Concen: 51.588 ug/l

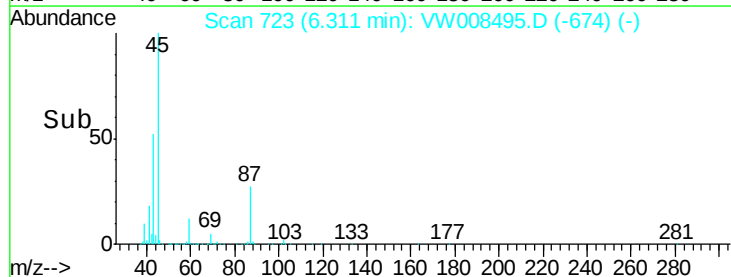
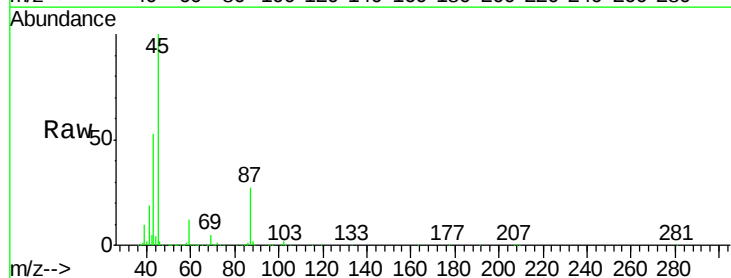
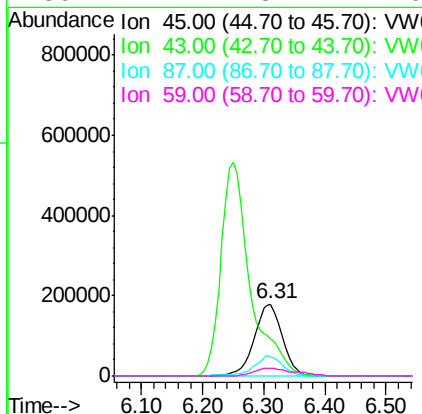
RT: 6.31 min Scan# 723

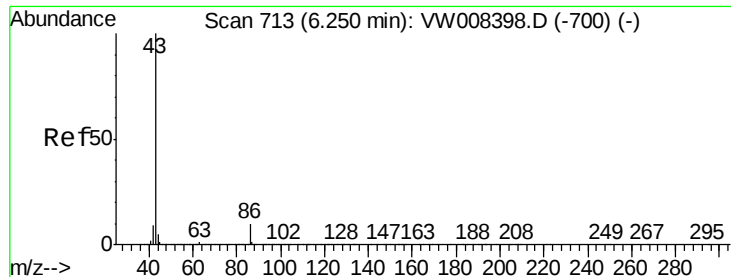
Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	45	Resp:	572023
Ion	Ratio	Lower	Upper
45	100		
43	52.5	42.6	63.8
87	27.0	20.3	30.5
59	11.4	8.4	12.6





#23

Vinyl Acetate

Concen: 270.985 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1774232

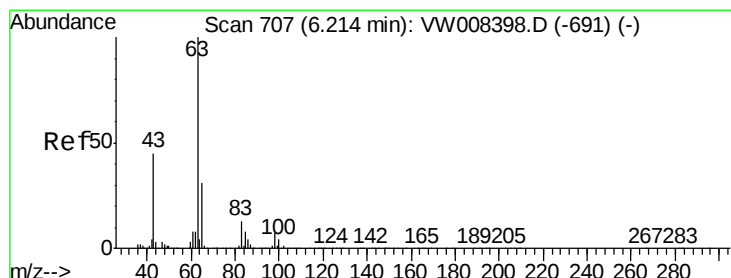
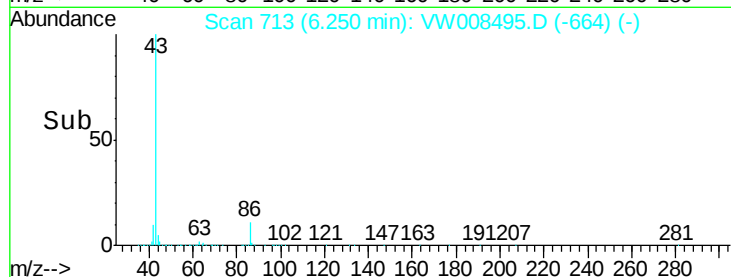
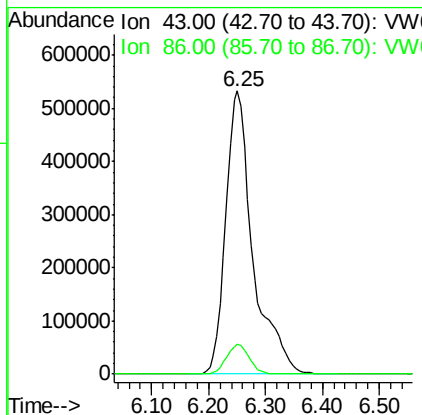
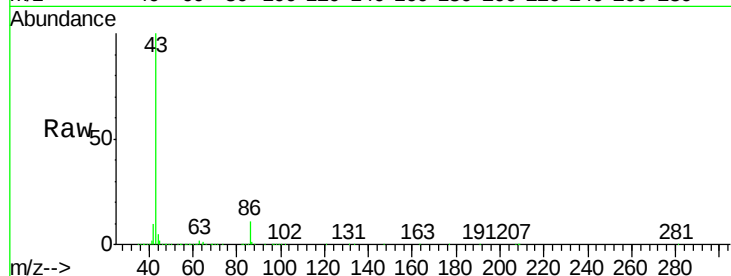
Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#24

1,1-Dichloroethane

Concen: 51.873 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

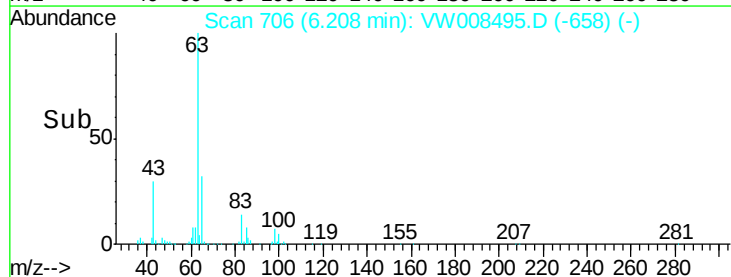
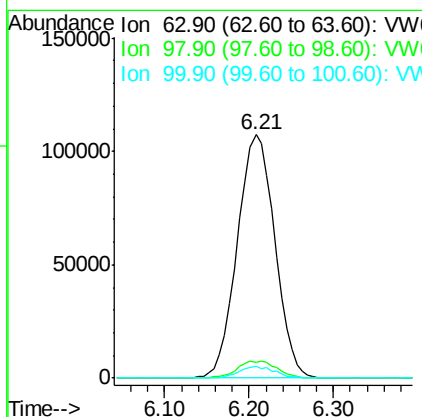
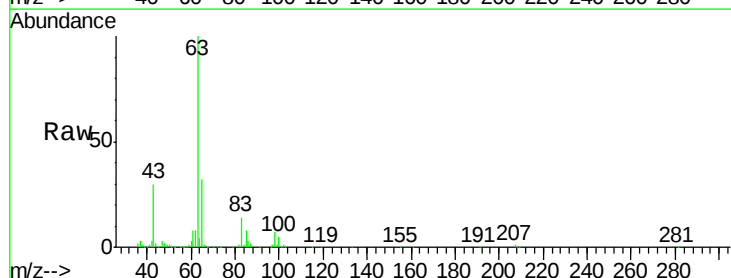
Tgt Ion: 63 Resp: 325576

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 287.990 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 297049

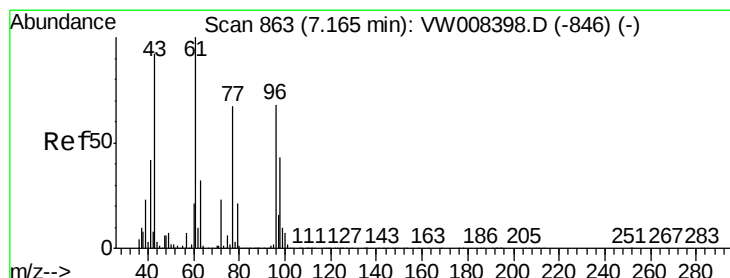
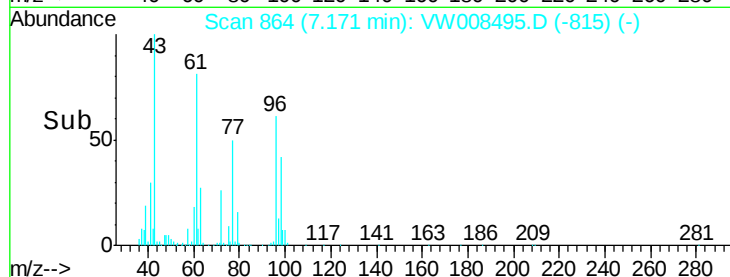
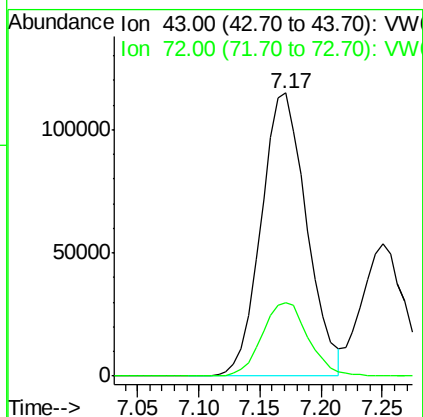
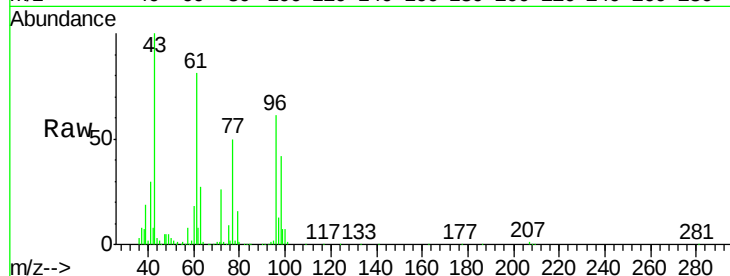
Ion Ratio Lower Upper

43 100

72 25.9 20.1 30.1

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#26

2,2-Dichloropropane

Concen: 47.012 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008495.D

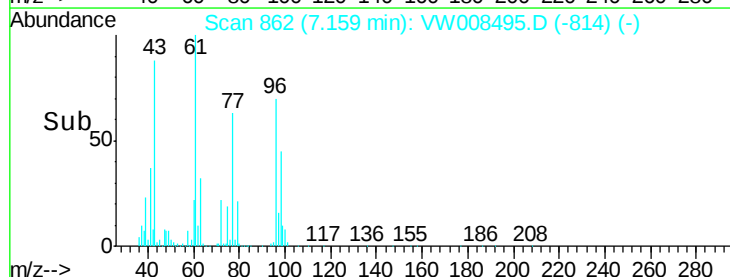
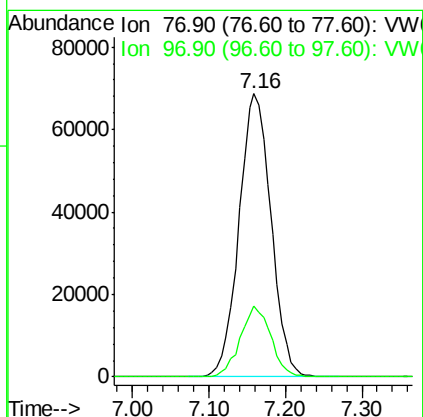
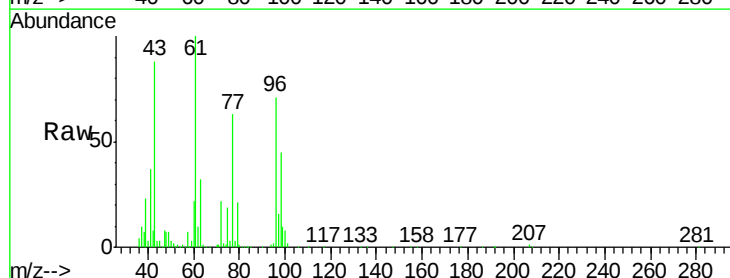
Acq: 01 Feb 2019 21:17

Tgt Ion: 77 Resp: 199448

Ion Ratio Lower Upper

77 100

97 24.0 11.5 34.5





#27

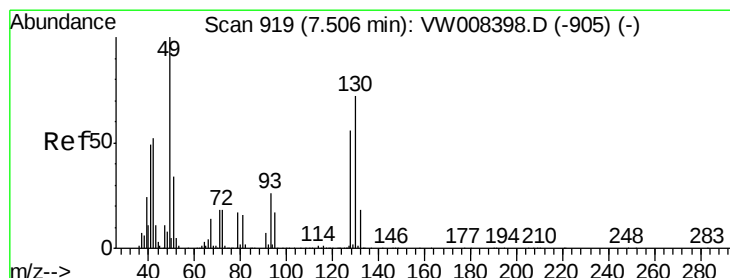
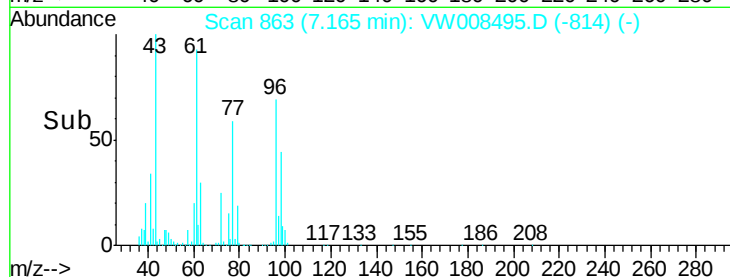
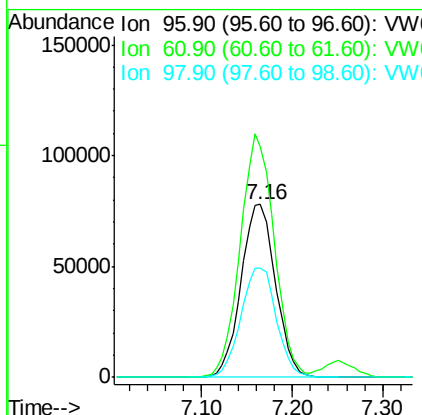
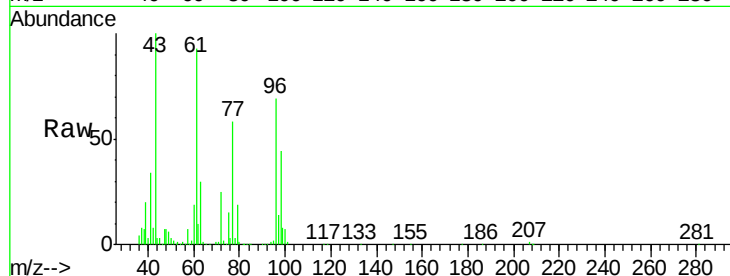
cis-1,2-Dichloroethene
Concen: 54.427 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	292.8
98	65.3	0.0	129.2

Manual Integrations
APPROVED

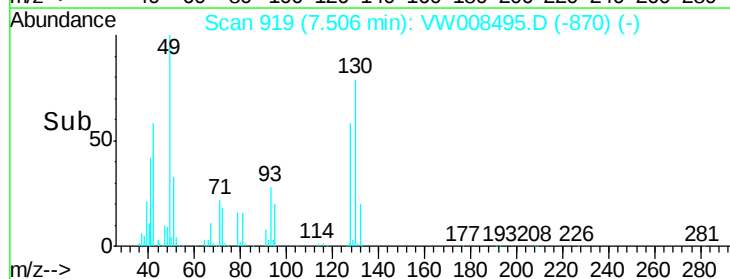
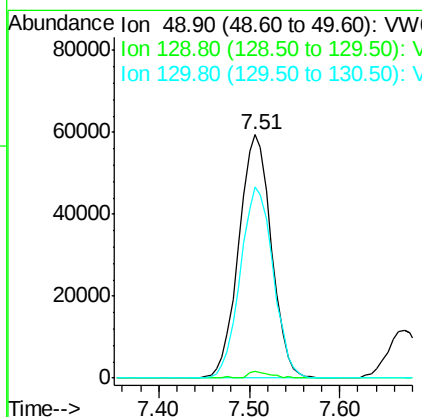
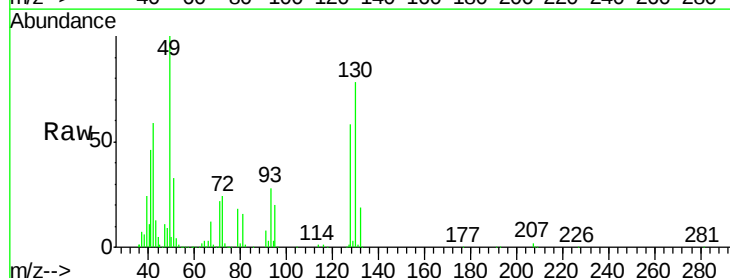
MMDadoda
2/4/2019 4:34:05 PM

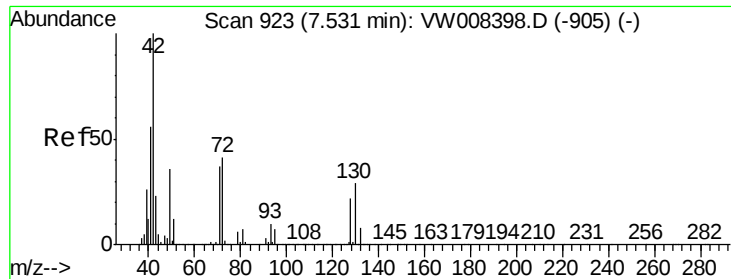


#28

Bromochloromethane
Concen: 51.418 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	79.0	58.6	87.8





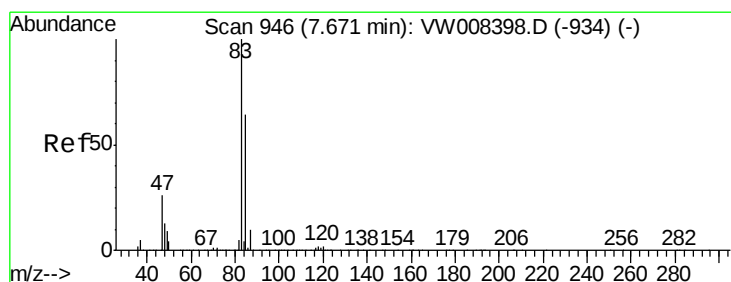
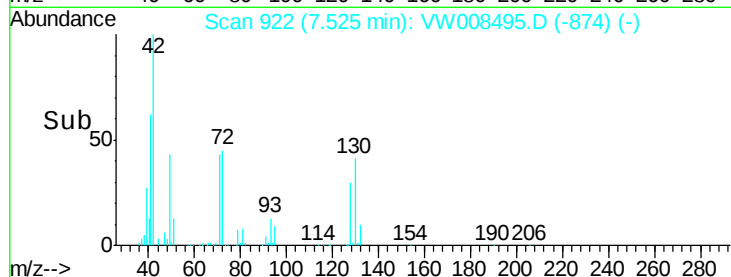
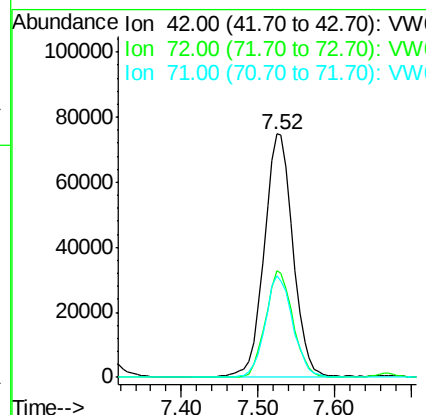
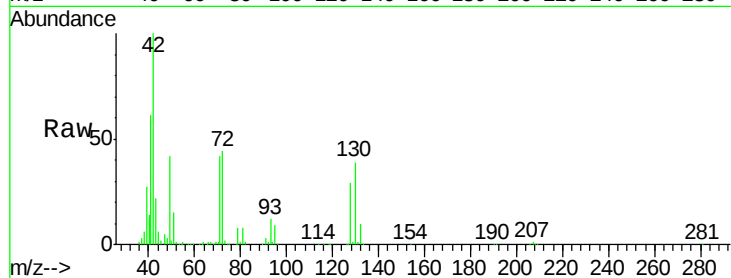
#29
Tetrahydrofuran
Concen: 299.069 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	31.9	47.9
71	40.3	29.9	44.9

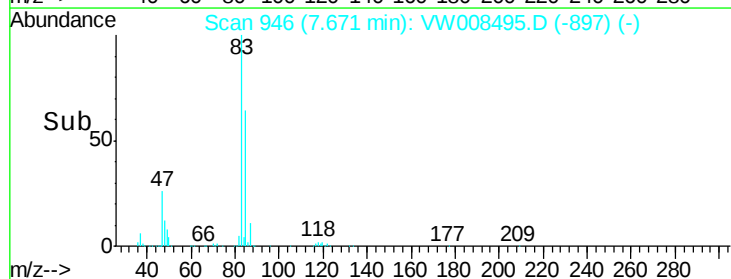
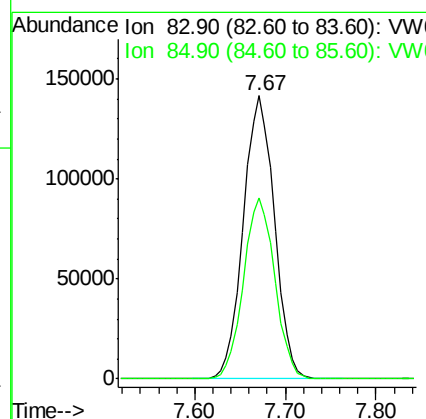
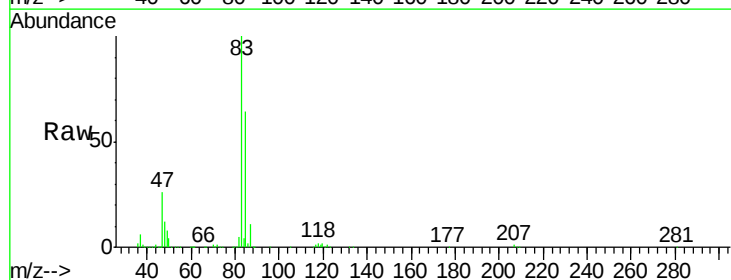
Manual Integrations
APPROVED

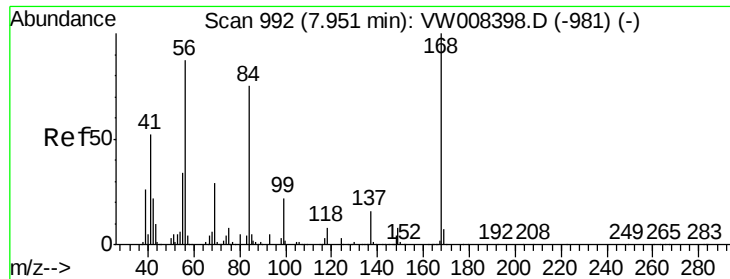
MMDadoda
2/4/2019 4:34:05 PM



#30
Chloroform
Concen: 54.506 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3





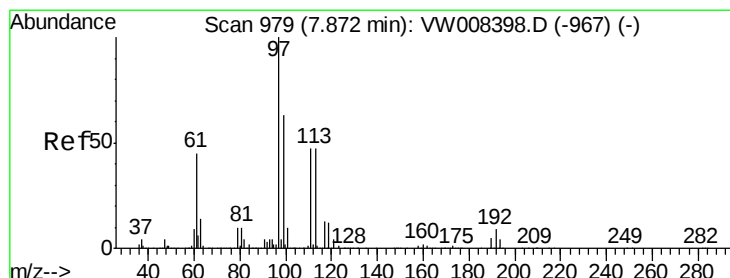
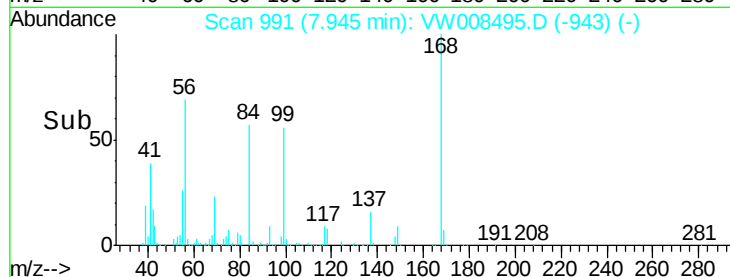
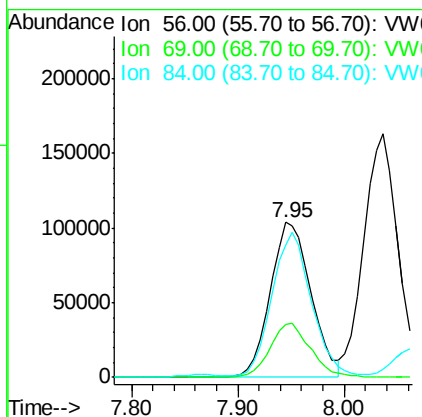
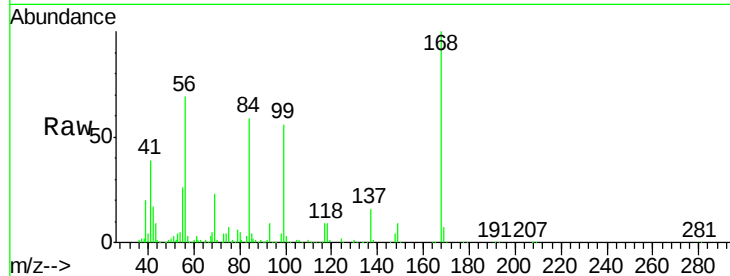
#31
Cyclohexane
Concen: 42.306 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.4	39.6
84	84.5	69.1	103.7

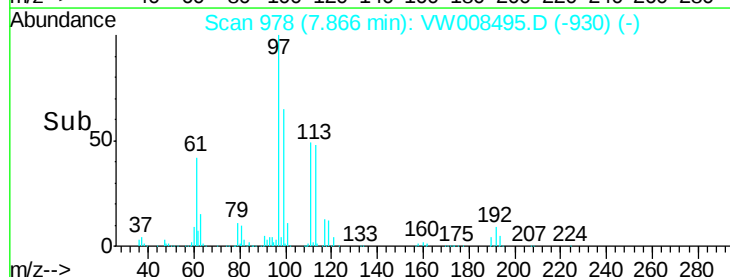
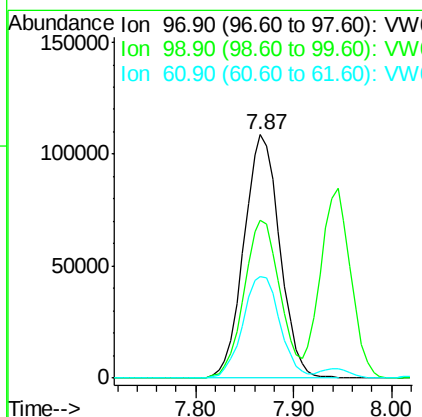
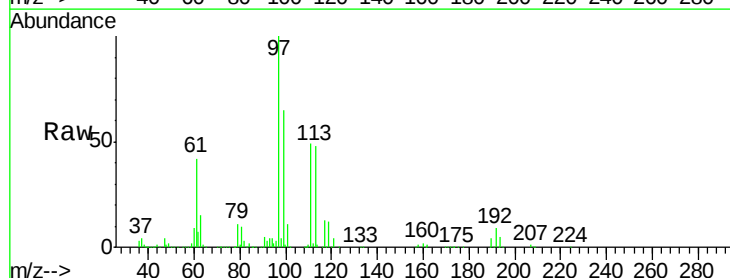
Manual Integrations
APPROVED

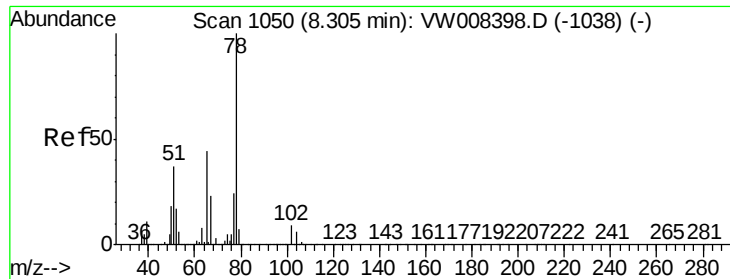
MMDadoda
2/4/2019 4:34:05 PM



#32
1,1,1-Trichloroethane
Concen: 51.785 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.3	76.9
61	43.2	36.2	54.4





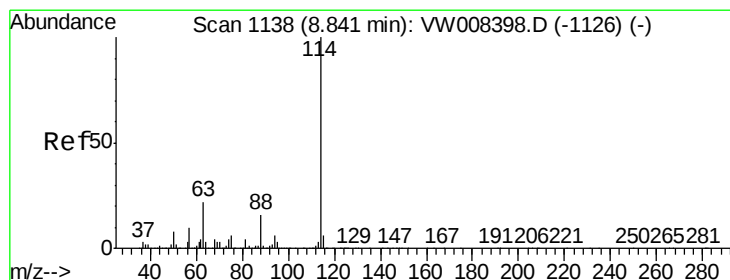
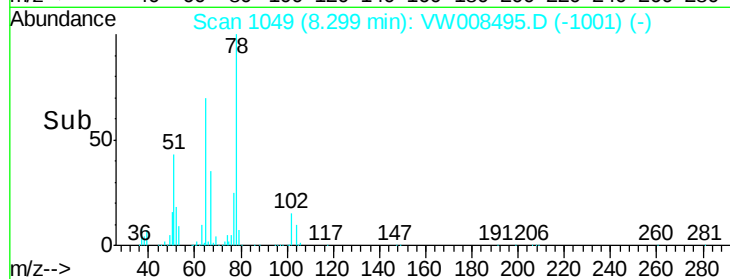
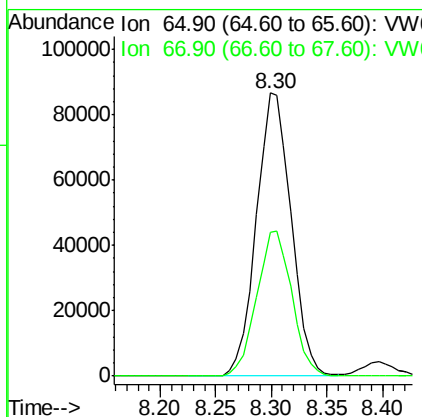
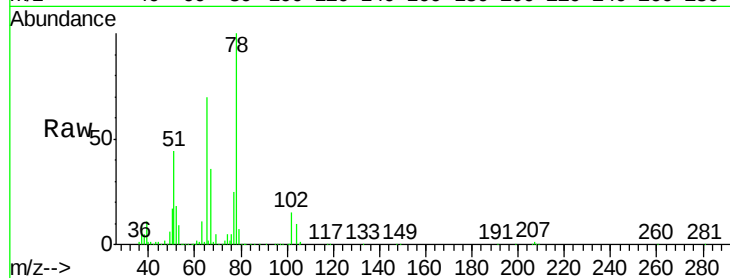
#33
 1,2-Dichloroethane-d4
 Concen: 57.244 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189298		
67	51.6	0.0	104.0	

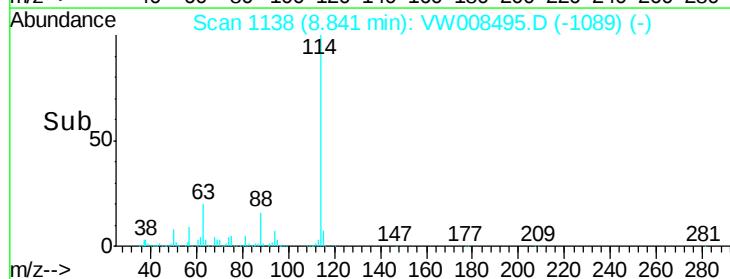
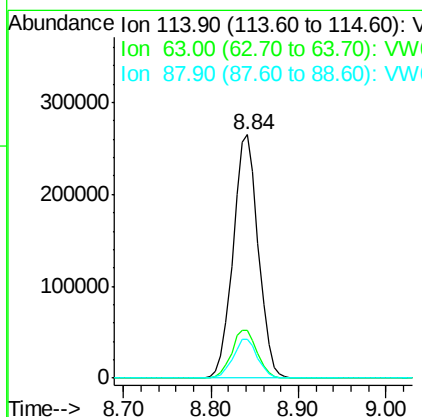
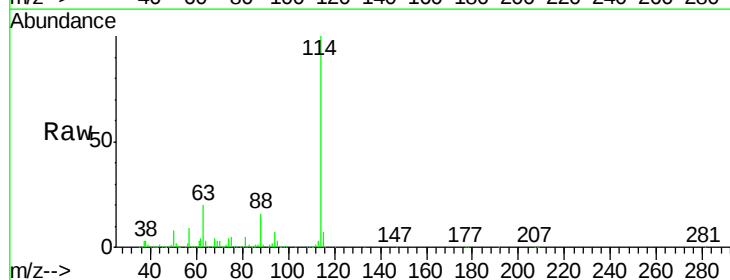
Manual Integrations
 APPROVED

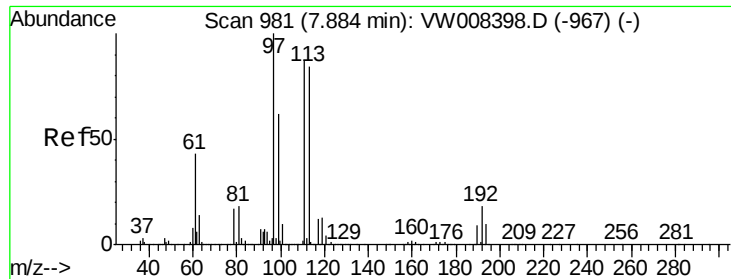
MMDadoda
 2/4/2019 4:34:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	528792		
63	19.7	0.0	43.6	
88	15.7	0.0	31.8	





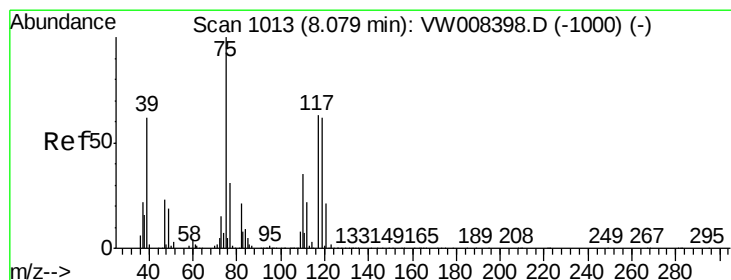
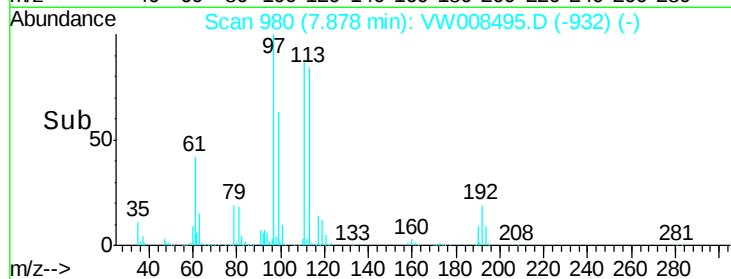
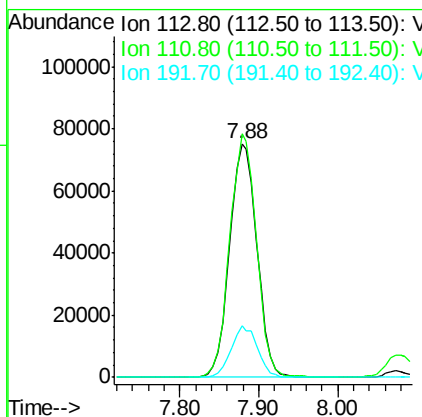
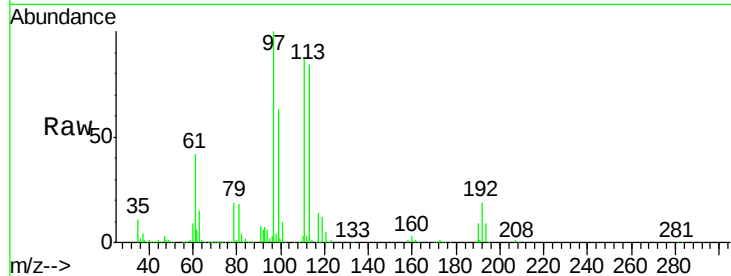
#35
Dibromofluoromethane
Concen: 58.480 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180821		
111	102.1	81.0	121.4	
192	21.2	16.8	25.2	

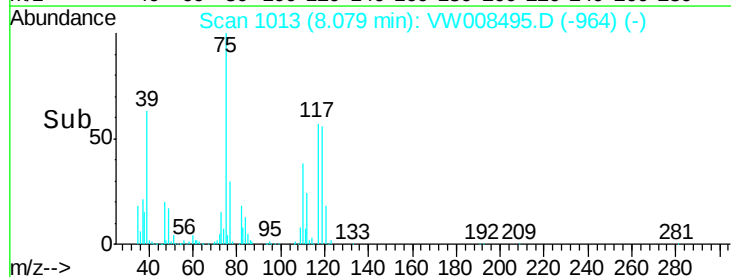
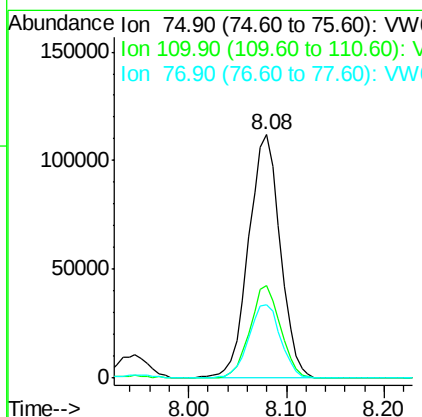
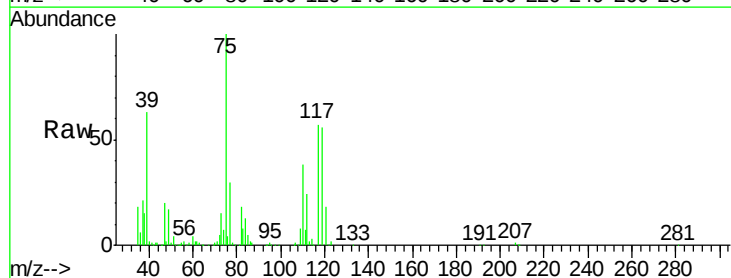
Manual Integrations
APPROVED

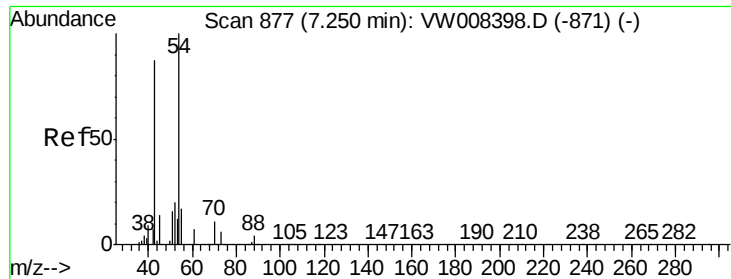
MMDadoda
2/4/2019 4:34:05 PM



#36
1,1-Dichloropropene
Concen: 50.167 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	250585		
110	36.6	17.3	52.0	
77	30.4	24.7	37.1	





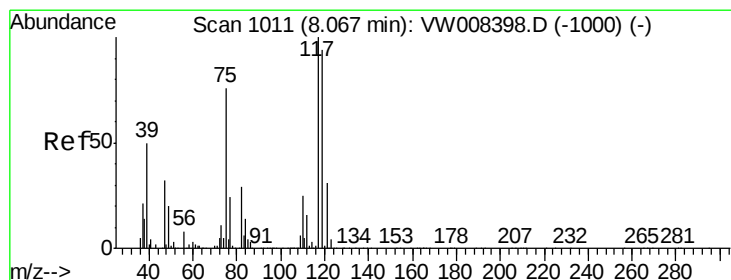
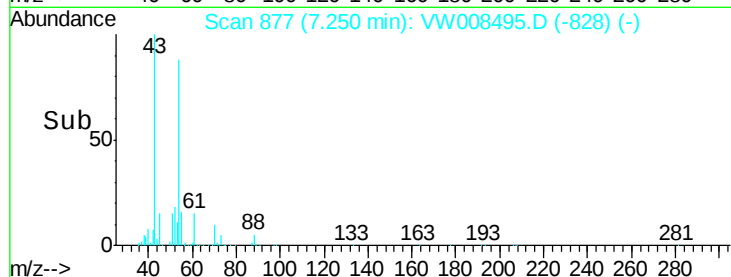
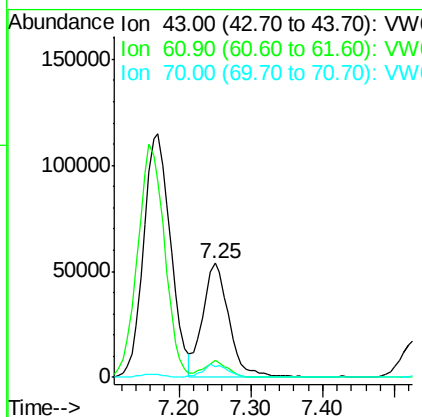
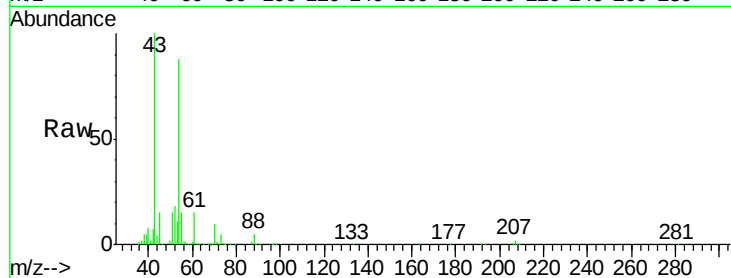
#37
Ethyl Acetate
Concen: 61.095 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.1	15.1
70	10.8	7.8	11.6

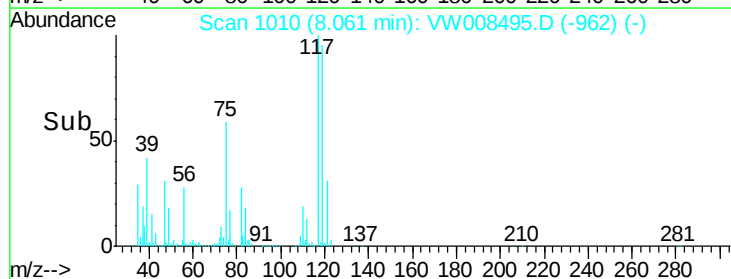
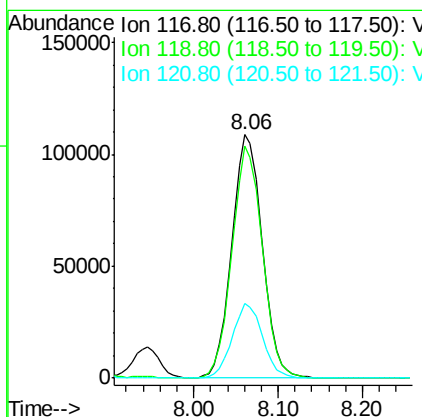
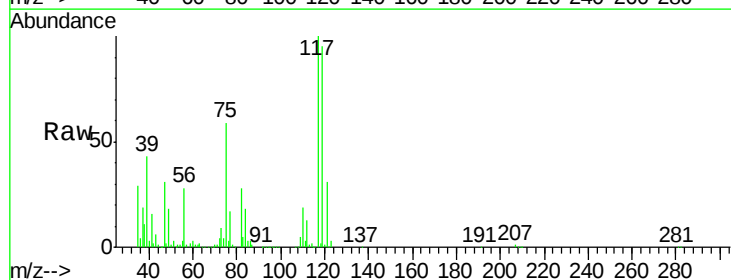
Manual Integrations
APPROVED

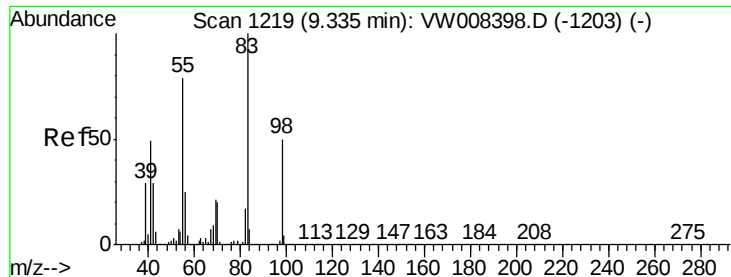
MMDadoda
2/4/2019 4:34:05 PM



#38
Carbon Tetrachloride
Concen: 52.760 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.0	112.4
121	30.9	24.9	37.3





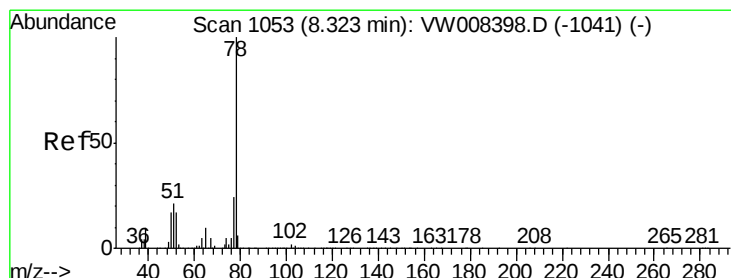
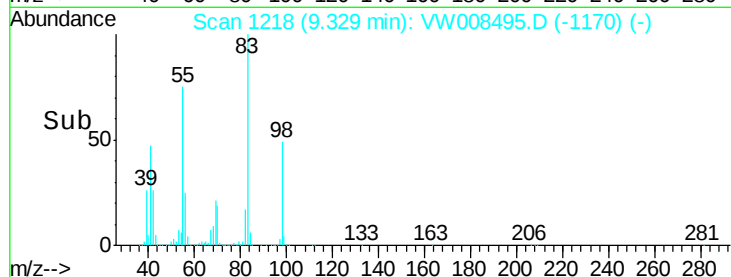
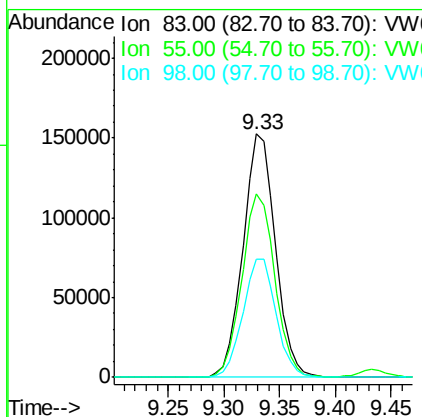
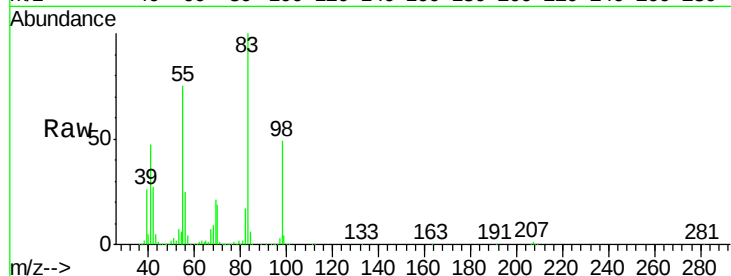
#39
Methvlcvclohexane
Concen: 47.204 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	63.3	94.9
98	48.6	39.7	59.5

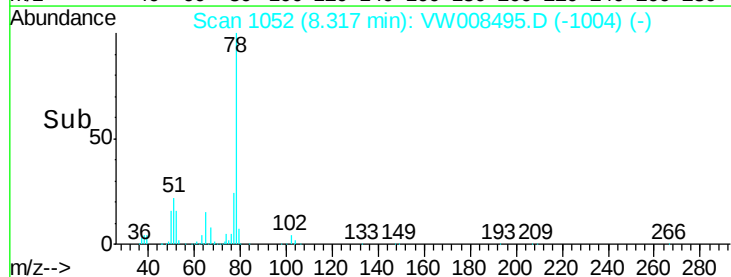
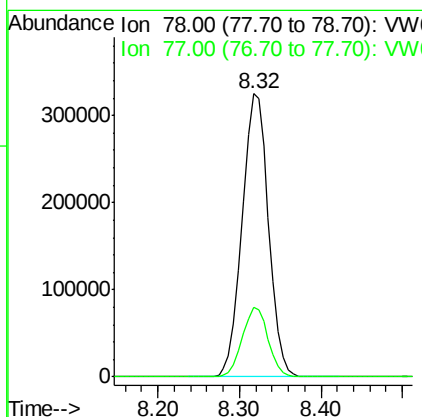
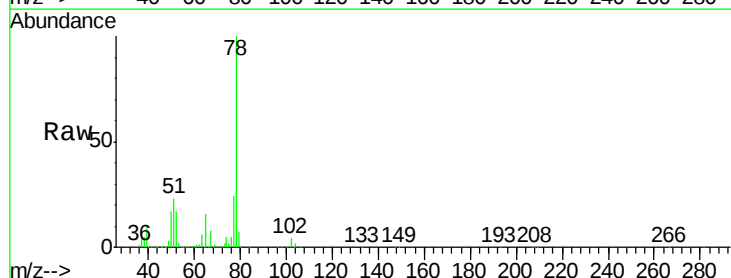
Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#40
Benzene
Concen: 52.542 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





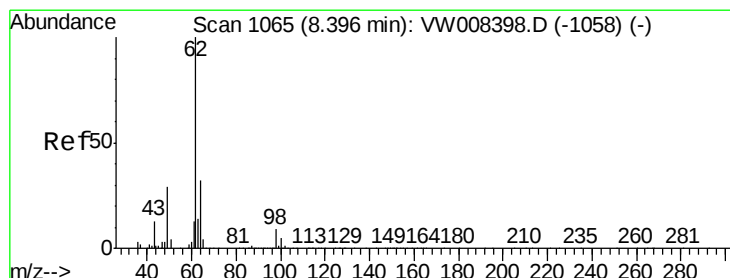
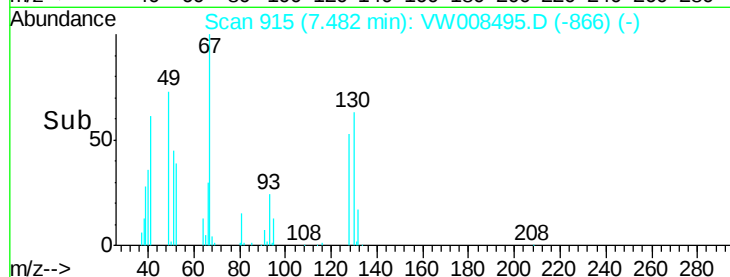
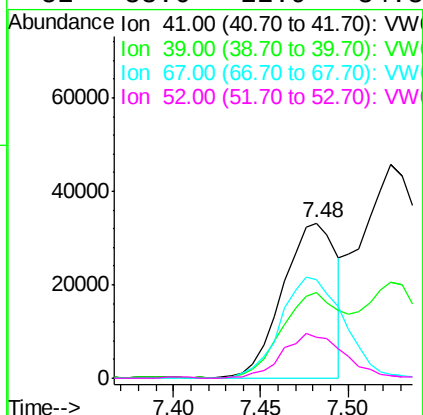
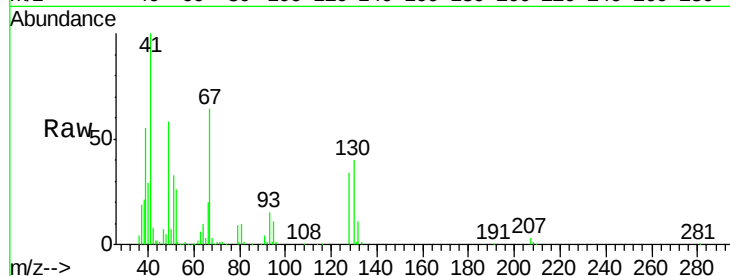
#41
Methacrylonitrile
Concen: 54.056 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.6	43.4	65.0
67	77.1	54.2	81.2
52	33.6	22.9	34.3

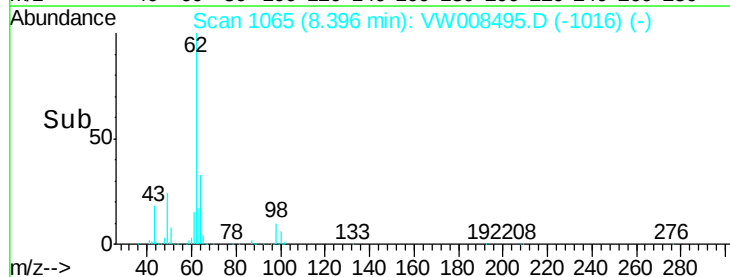
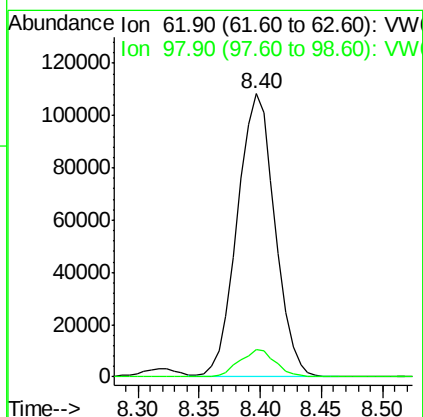
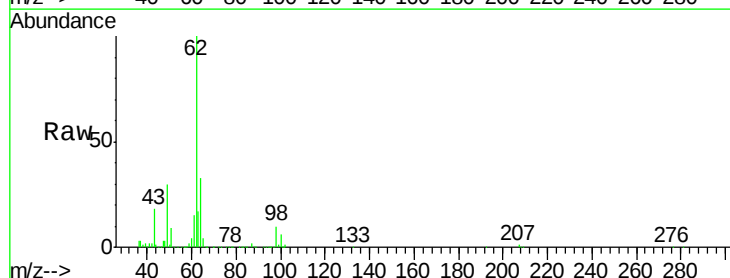
Manual Integrations
APPROVED

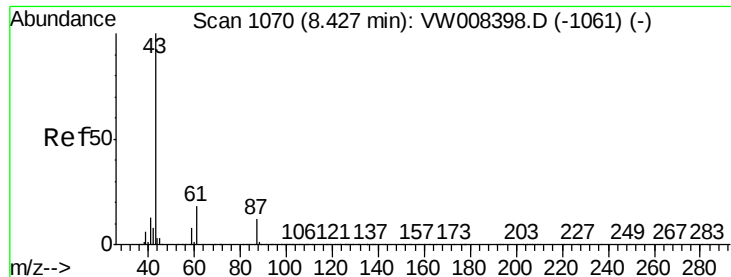
MMDadoda
2/4/2019 4:34:05 PM



#42
1,2-Dichloroethane
Concen: 57.445 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 59.623 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

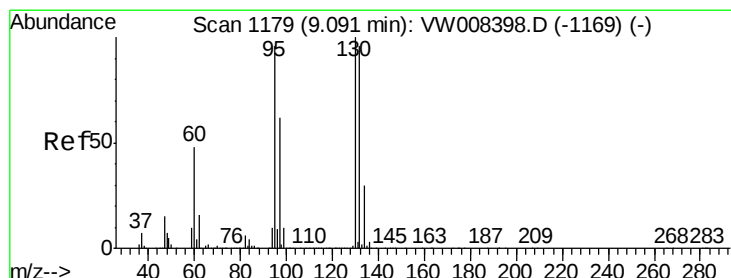
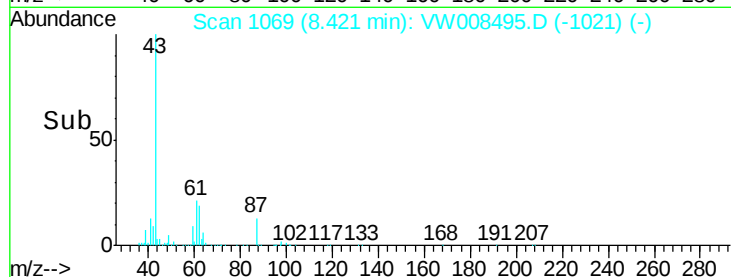
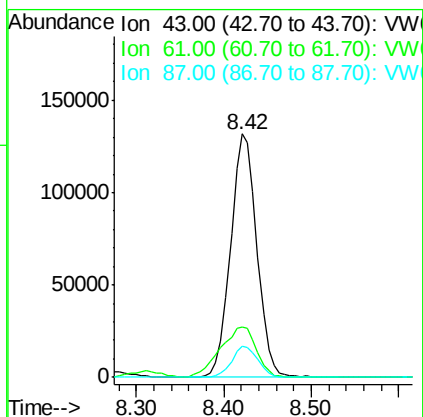
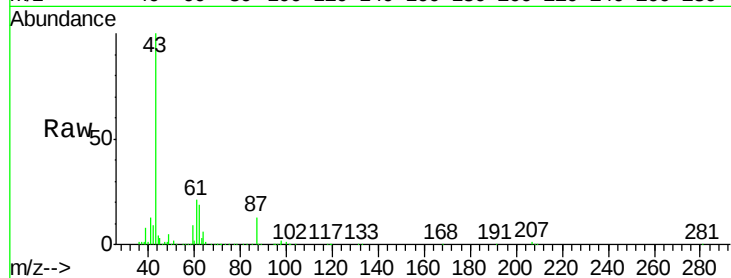
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	273741
Ion	Ratio	Lower	Upper
43	100		
61	28.6	22.0	33.0
87	12.8	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#44

Trichloroethene

Concen: 54.331 ug/l

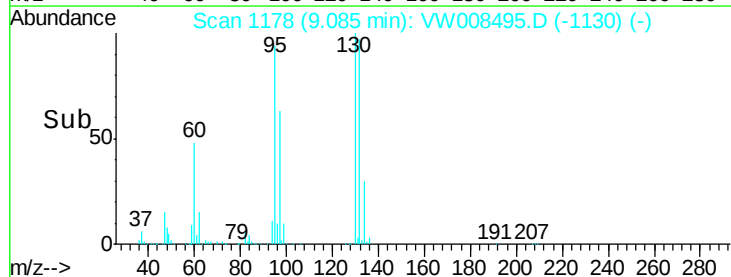
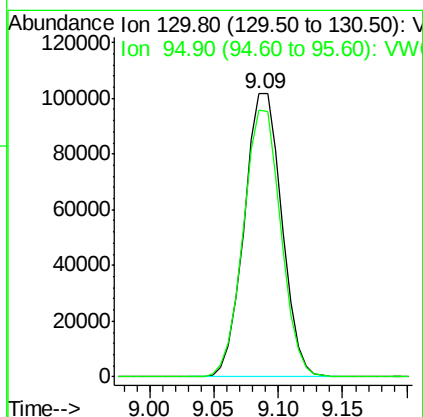
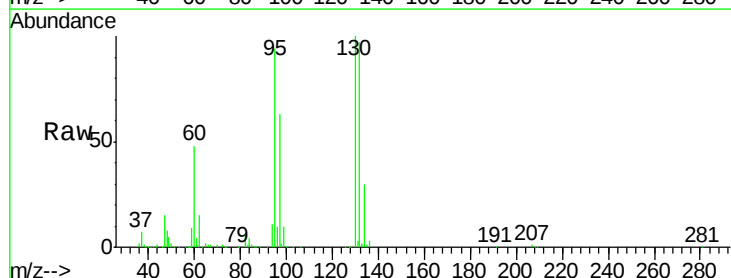
RT: 9.09 min Scan# 1178

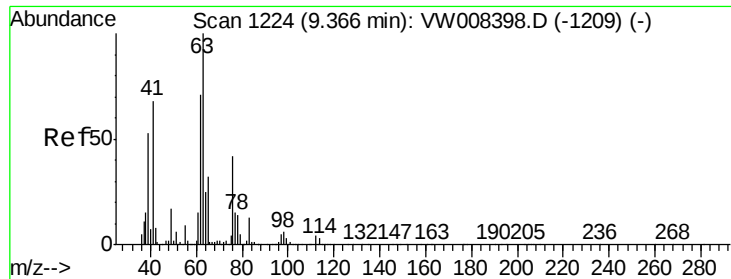
Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	130	Resp:	204782
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	191.6





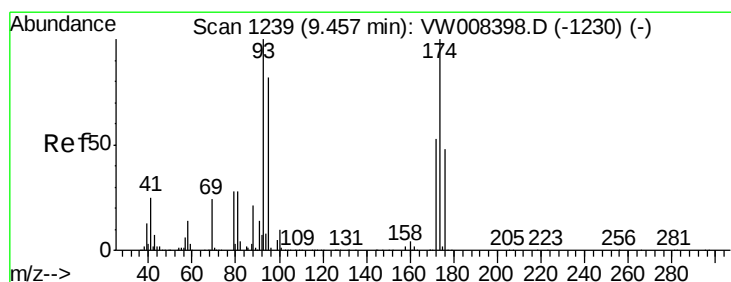
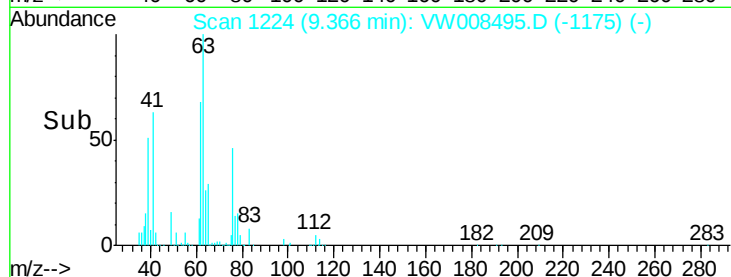
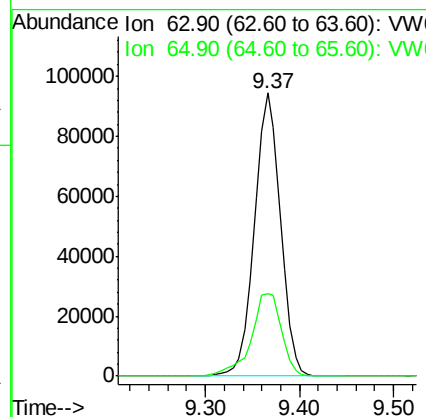
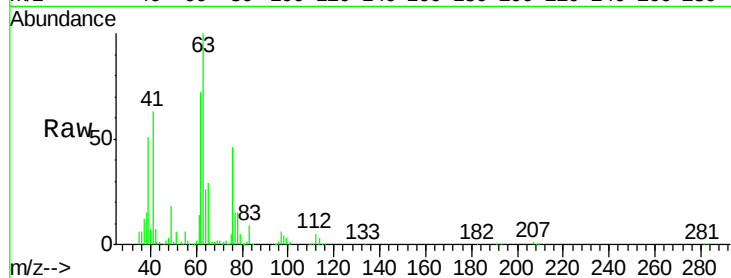
#45
 1,2-Dichloropropane
 Concen: 53.130 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	25.2	37.8

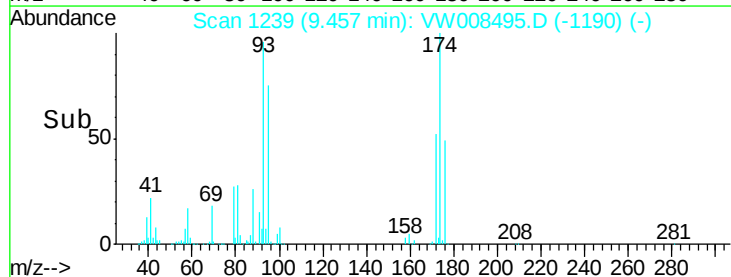
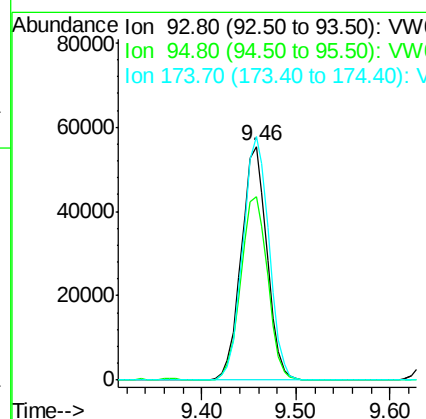
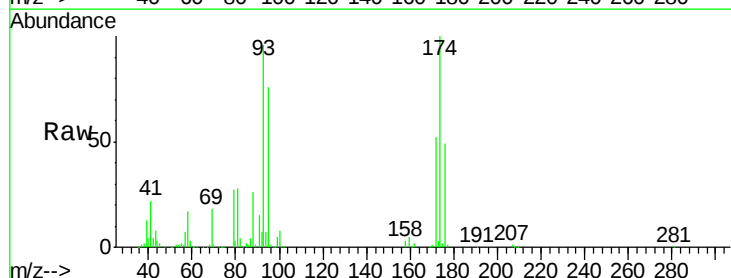
Manual Integrations
 APPROVED

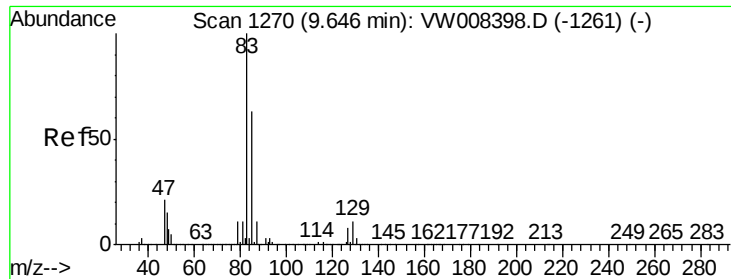
MMDadoda
 2/4/2019 4:34:05 PM



#46
 Dibromomethane
 Concen: 59.319 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.9	98.9
174	106.0	81.0	121.6





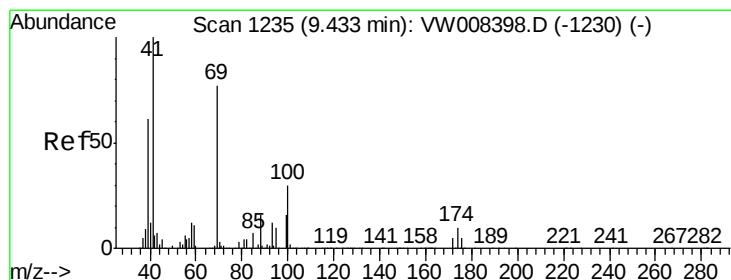
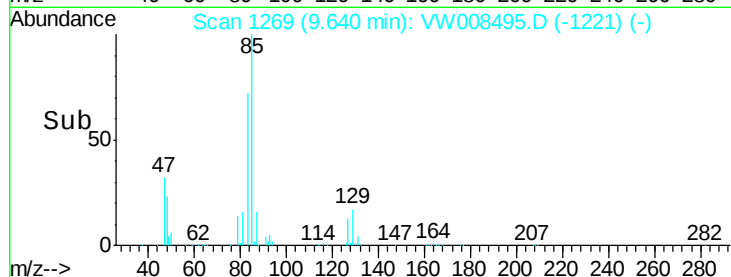
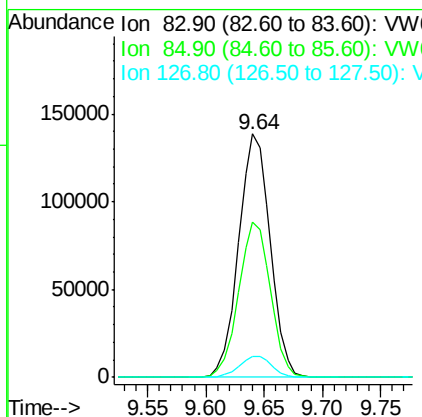
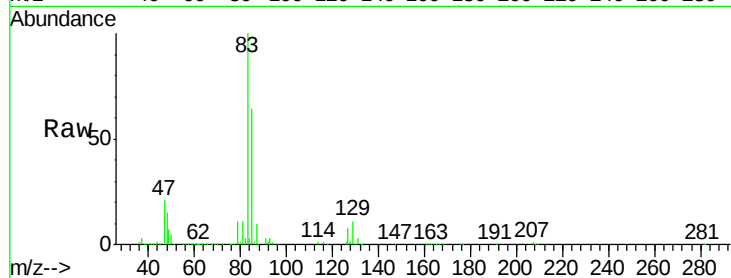
#47
Bromodichloromethane
Concen: 55.640 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	261600		
85	63.9	50.8	76.2	
127	8.4	6.8	10.2	

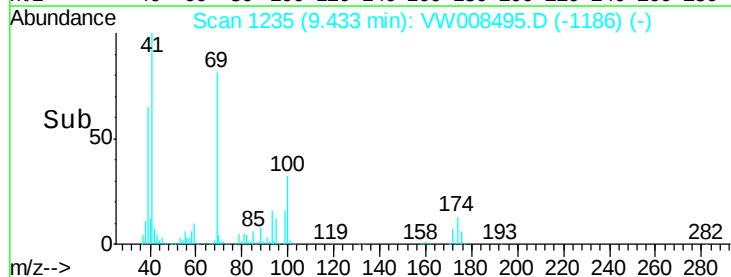
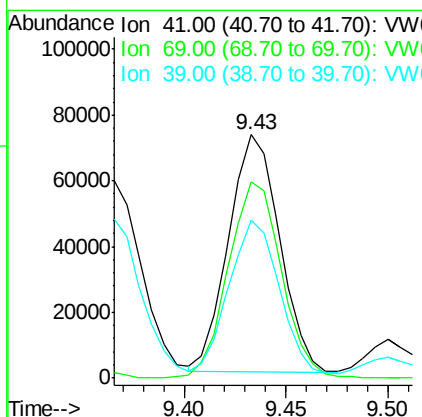
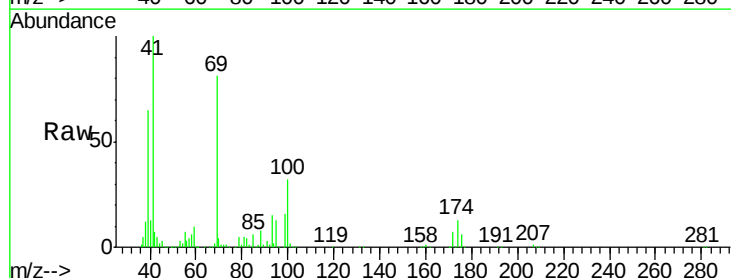
Manual Integrations
APPROVED

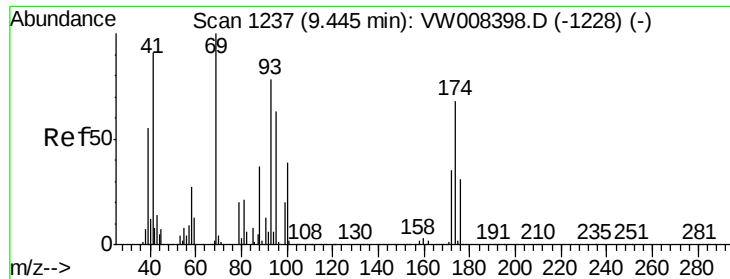
MMDadoda
2/4/2019 4:34:05 PM



#48
Methyl methacrylate
Concen: 55.710 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	125066		
69	86.6	64.8	97.2	
39	68.0	49.1	73.7	





#49

1,4-Dioxane

Concen: 1142.656 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

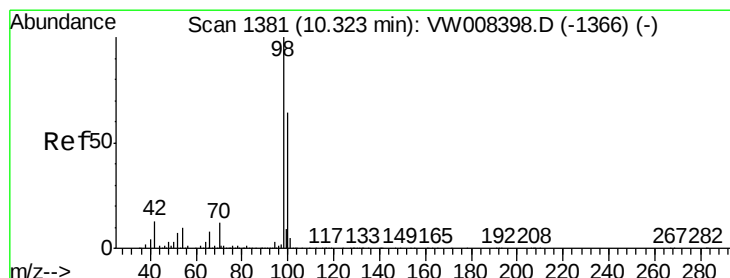
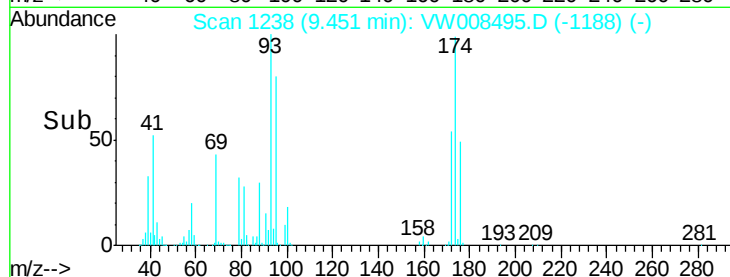
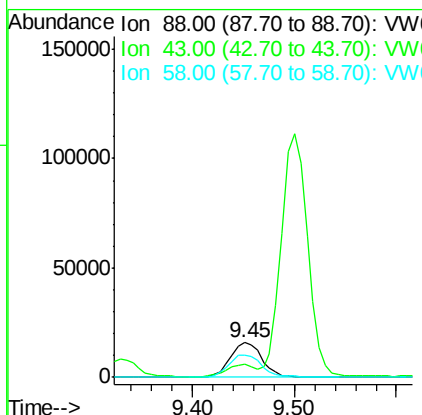
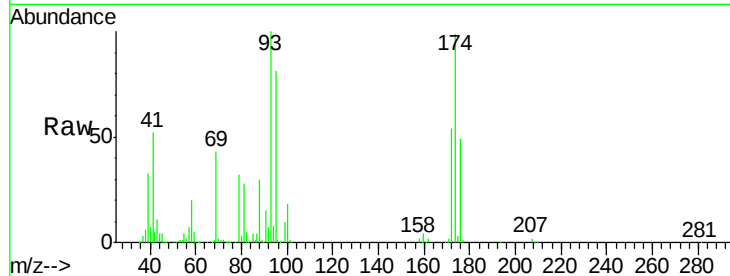
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	34332
Ion Ratio	Lower	Upper	
88	100		
43	33.8	29.0	43.4
58	71.0	56.4	84.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#50

Toluene-d8

Concen: 54.040 ug/l

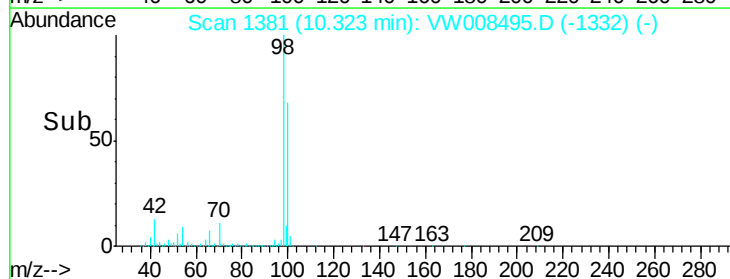
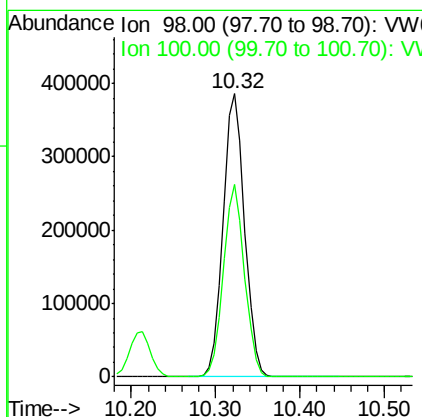
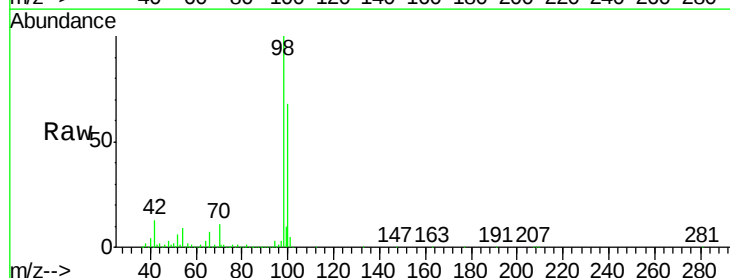
RT: 10.32 min Scan# 1381

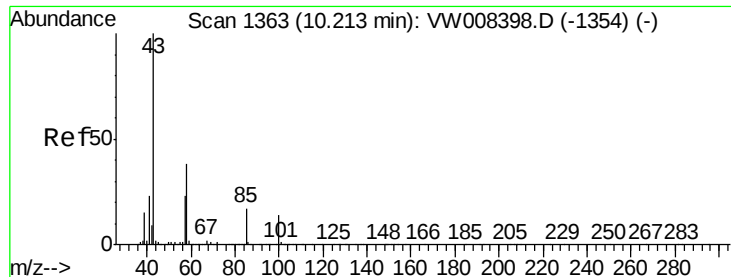
Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	98	Resp:	670053
Ion Ratio	Lower	Upper	
98	100		
100	66.6	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 302.706 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 686599

Ion Ratio Lower Upper

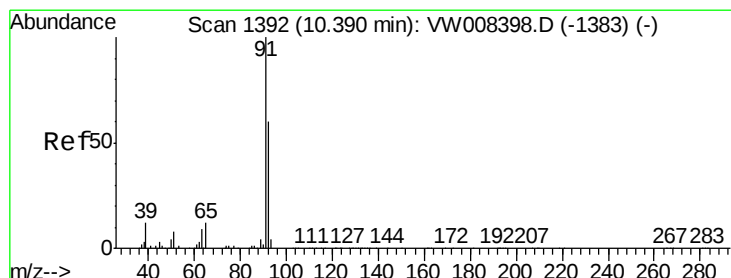
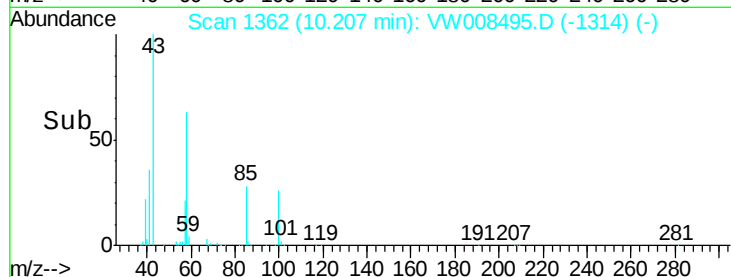
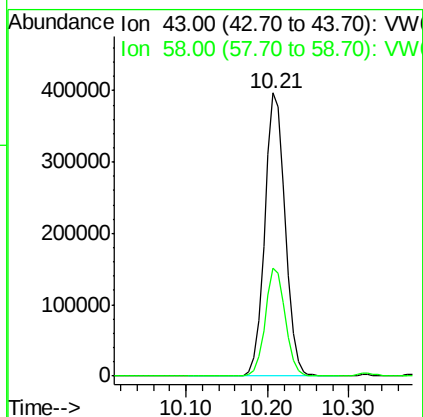
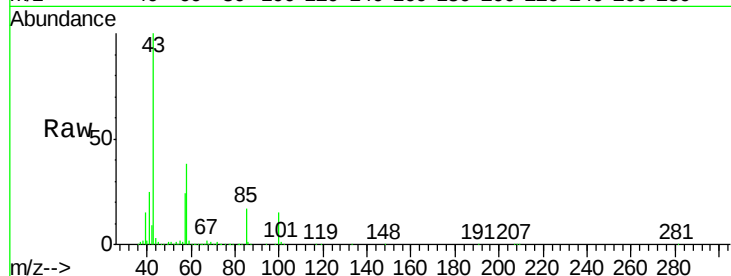
43 100

58 37.6 29.7 44.5

Manual Integrations
APPROVED

MMDadoda

2/4/2019 4:34:05 PM



#52

Toluene

Concen: 51.134 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008495.D

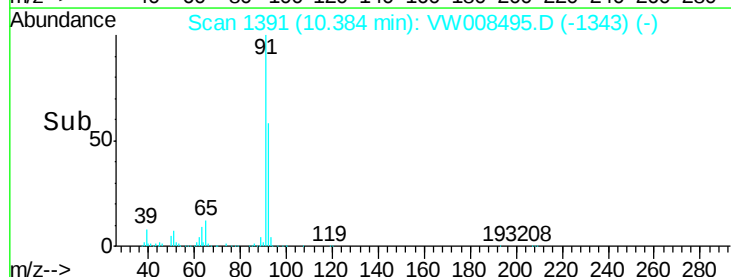
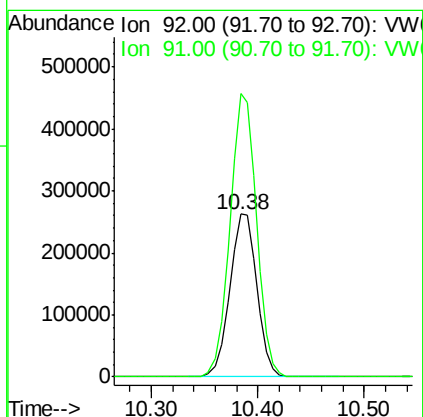
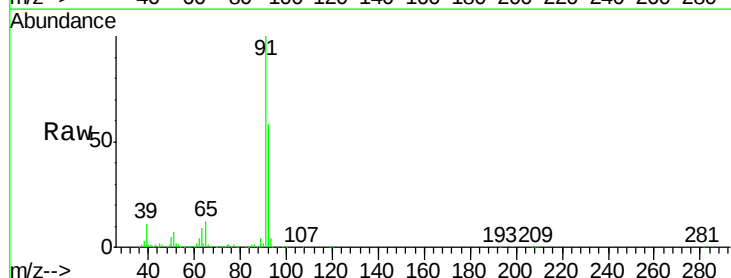
Acq: 01 Feb 2019 21:17

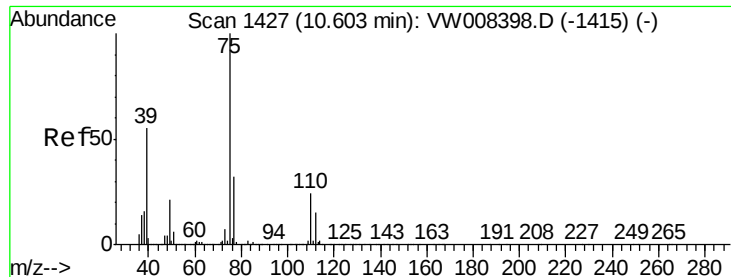
Tgt Ion: 92 Resp: 467860

Ion Ratio Lower Upper

92 100

91 170.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 53.803 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 269168

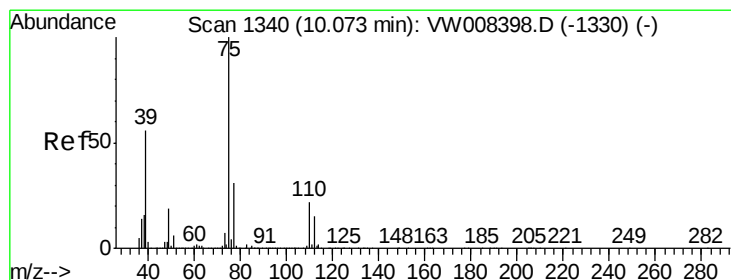
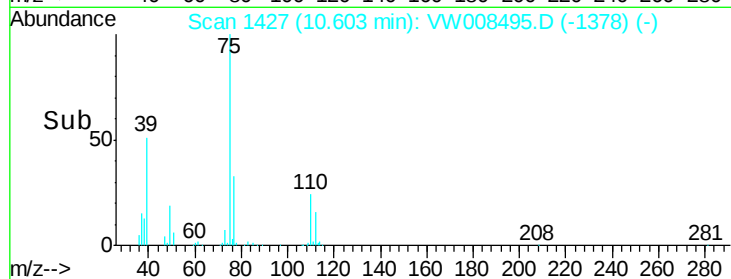
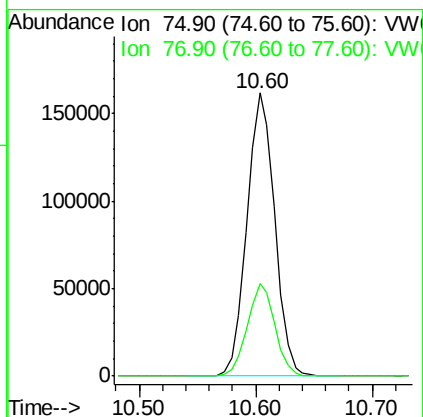
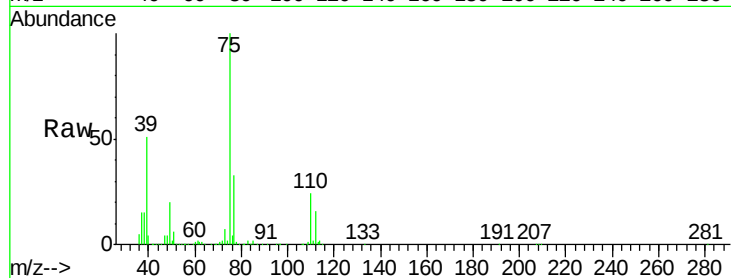
Ion Ratio Lower Upper

75 100

77 32.9 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#54

cis-1,3-Dichloropropene

Concen: 53.054 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

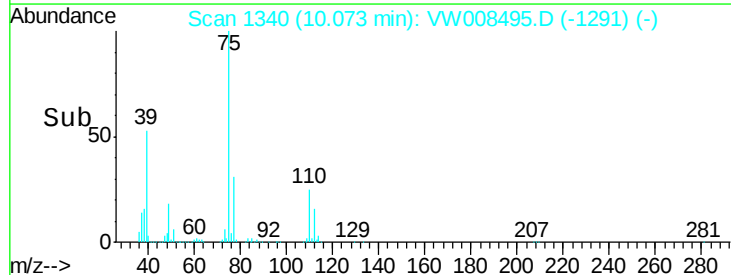
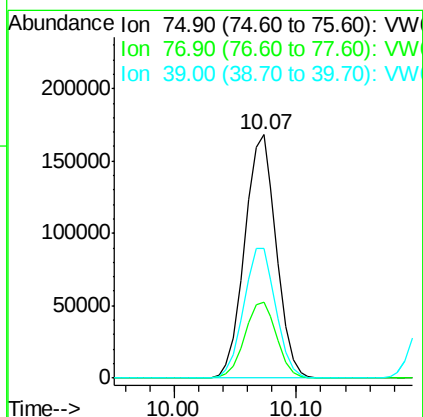
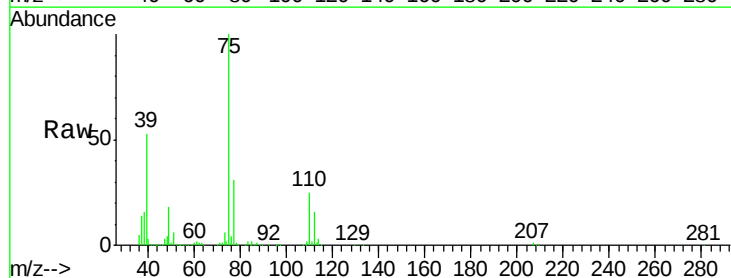
Tgt Ion: 75 Resp: 301210

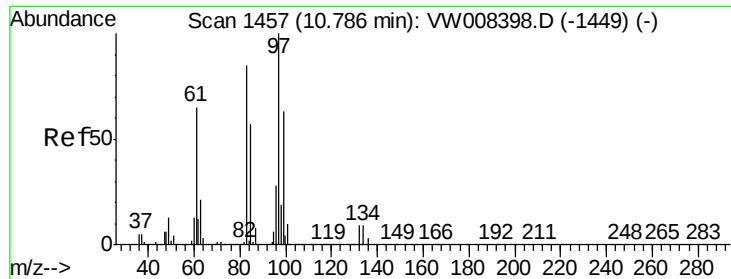
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

39 53.0 44.9 67.3





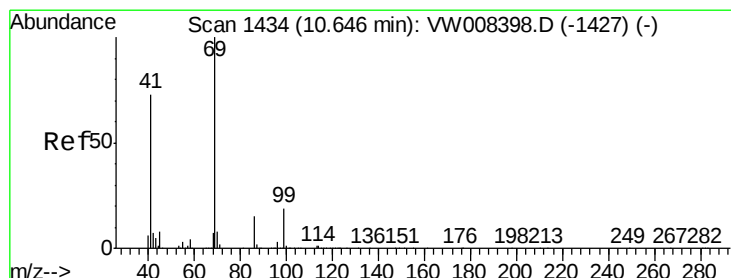
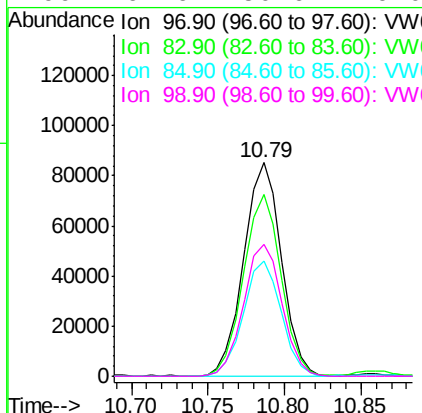
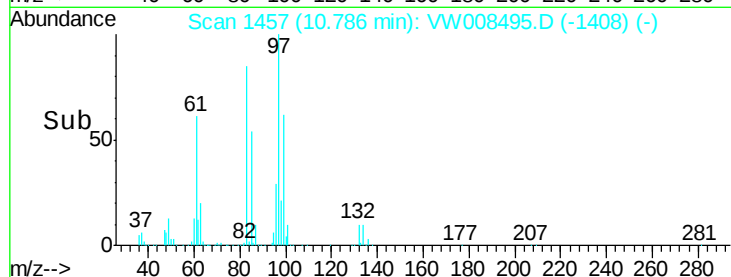
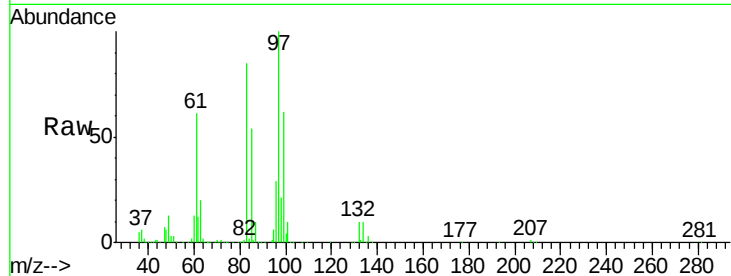
#55
 1,1,2-Trichloroethane
 Concen: 59.530 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		146774		
83	85.3	68.4	102.6		
85	53.7	45.3	67.9		
99	61.6	50.6	76.0		

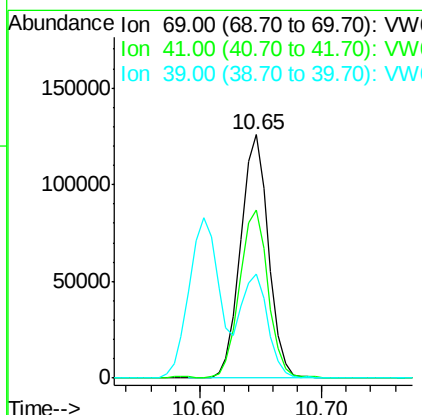
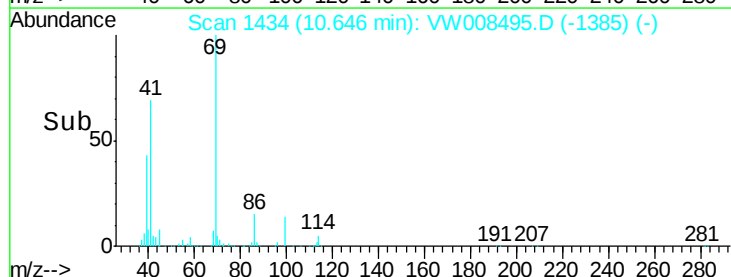
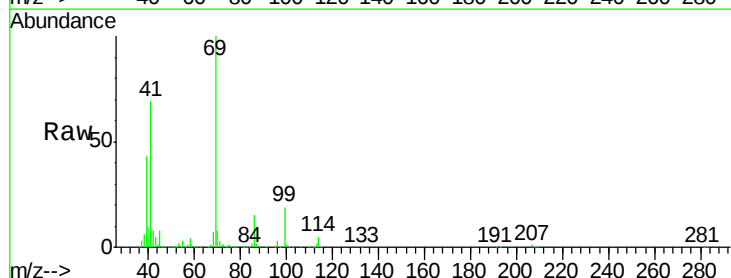
Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:34:05 PM



#56
 Ethyl methacrylate
 Concen: 57.391 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		198271		
41	69.9	58.7	88.1		
39	39.5	32.6	48.8		





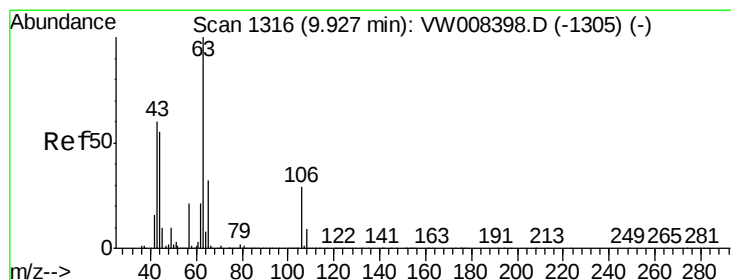
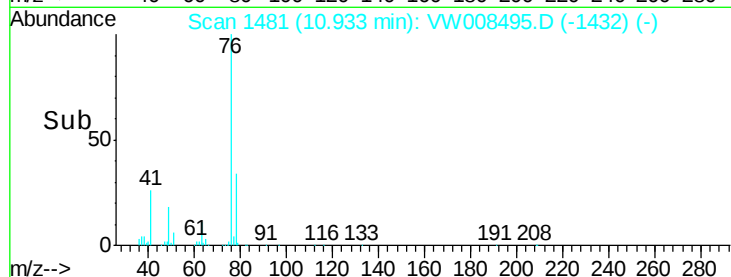
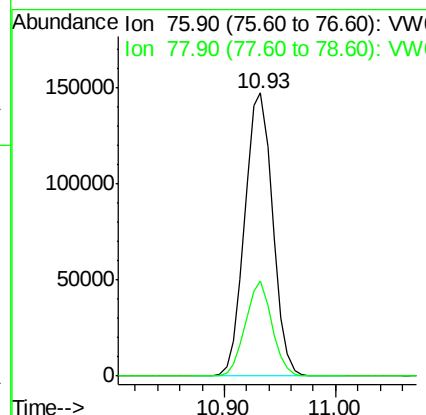
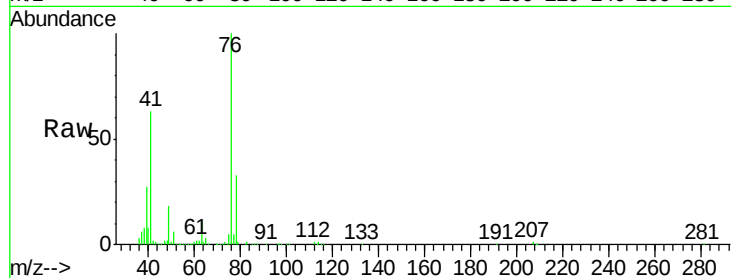
#57
 1,3-Dichloropropane
 Concen: 58.093 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

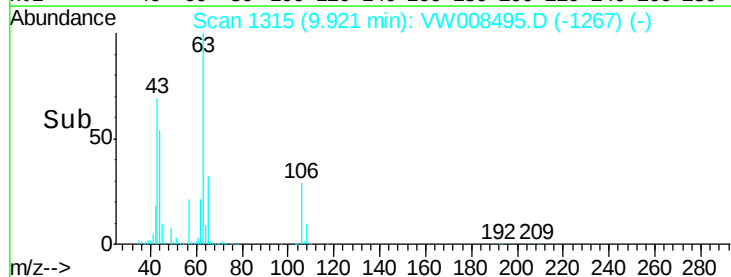
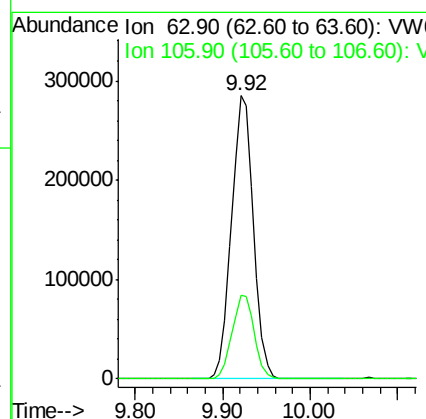
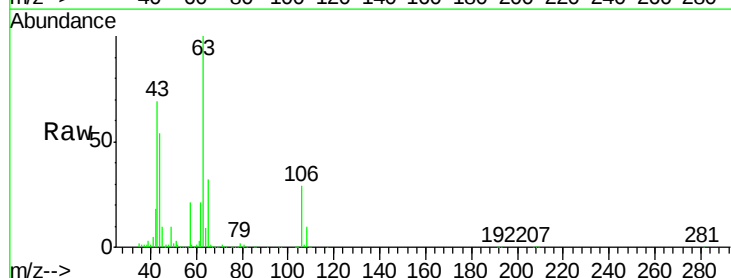
Manual Integrations
 APPROVED

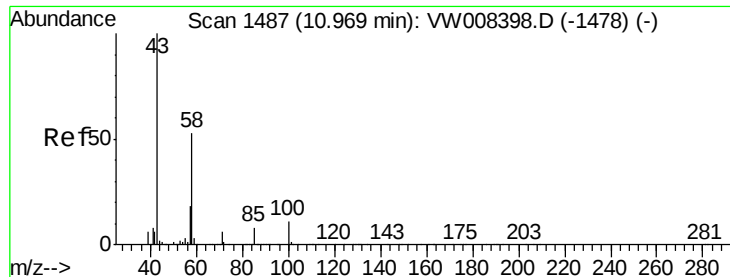
MMDadoda
 2/4/2019 4:34:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.066 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.4	33.6





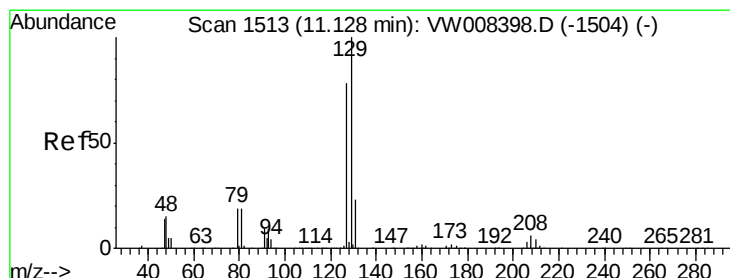
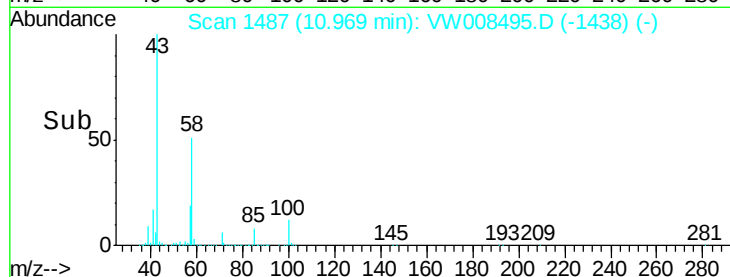
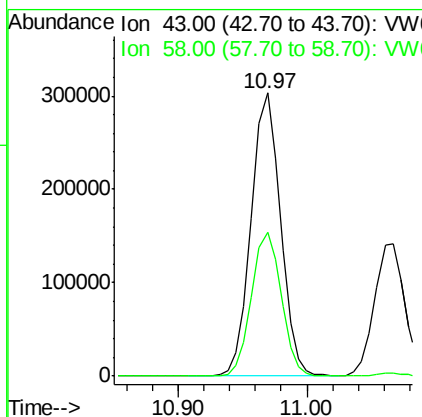
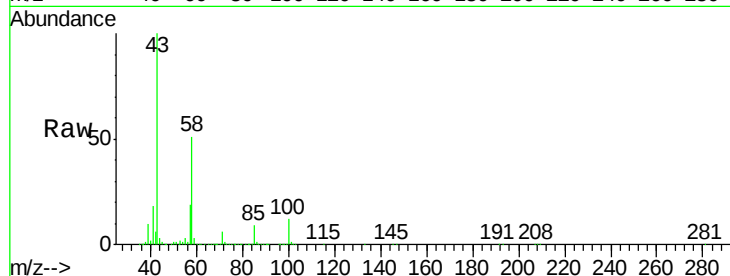
#59
2-Hexanone
Concen: 298.093 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 477325
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7

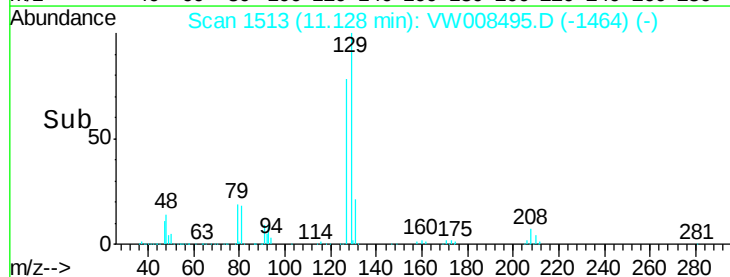
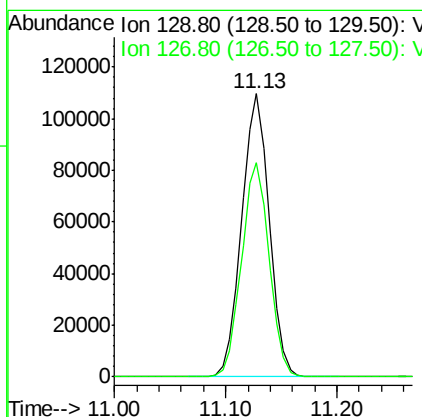
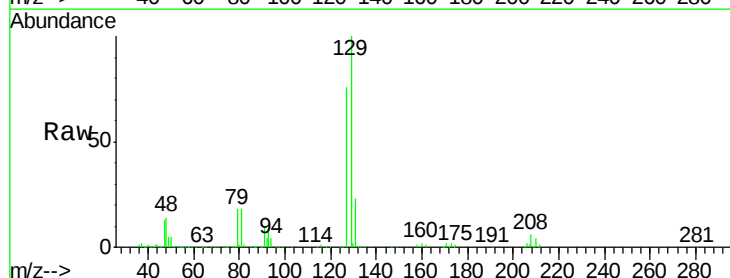
Manual Integrations
APPROVED

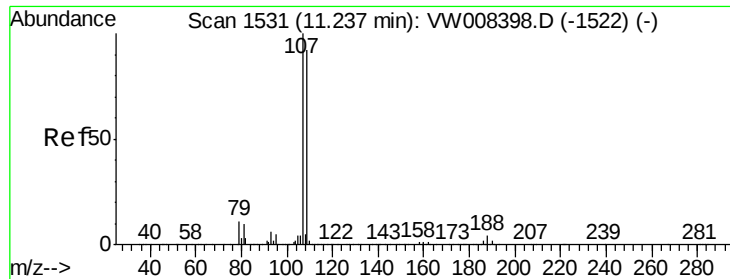
MMDadoda
2/4/2019 4:34:05 PM



#60
Dibromochloromethane
Concen: 59.278 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 129 Resp: 187818
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





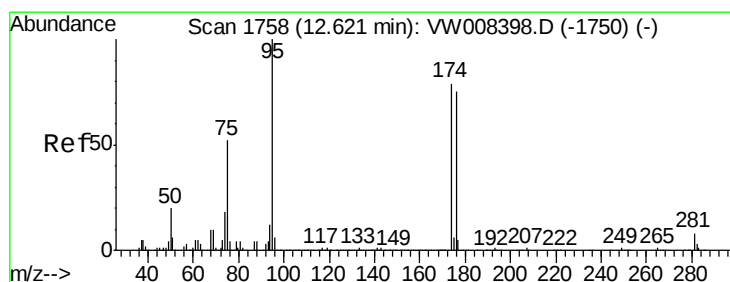
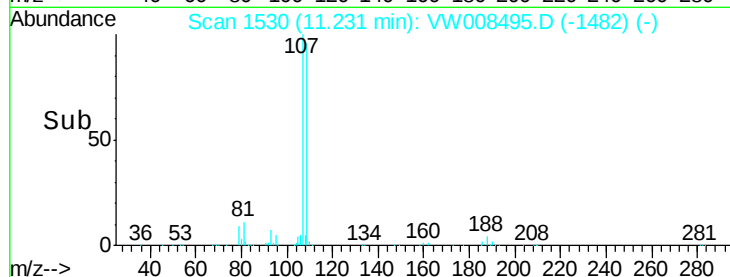
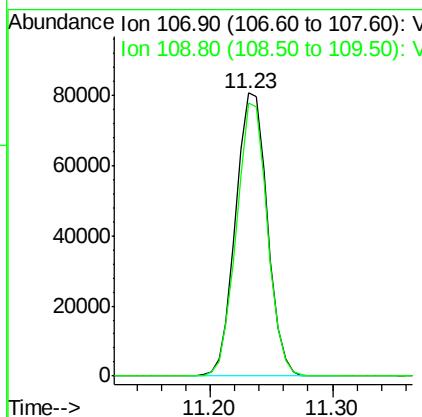
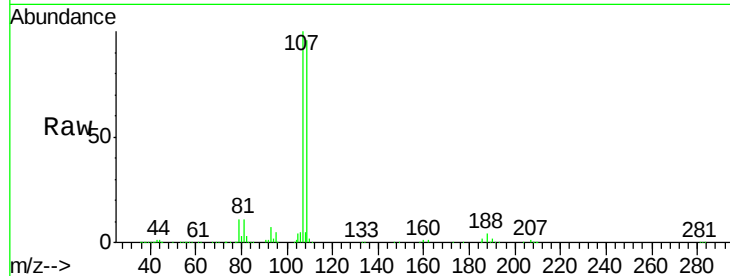
#61
 1,2-Dibromoethane
 Concen: 59.328 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.0	112.4

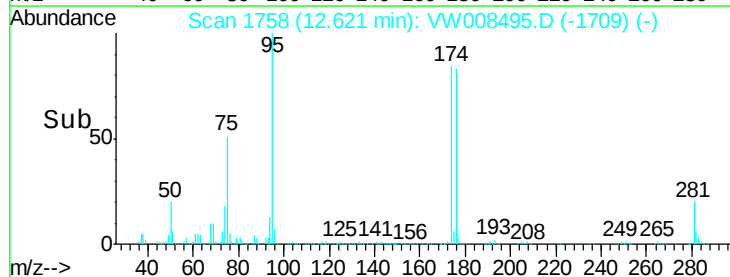
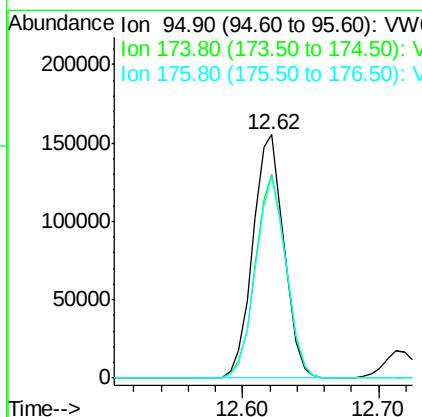
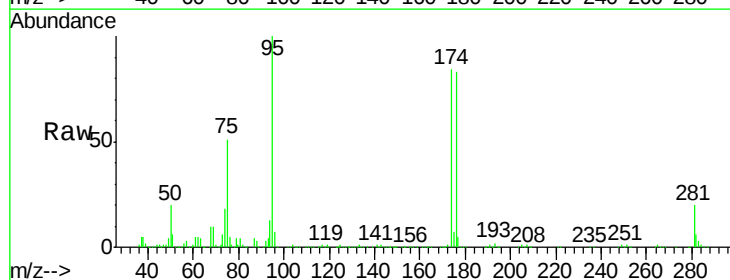
Manual Integrations
 APPROVED

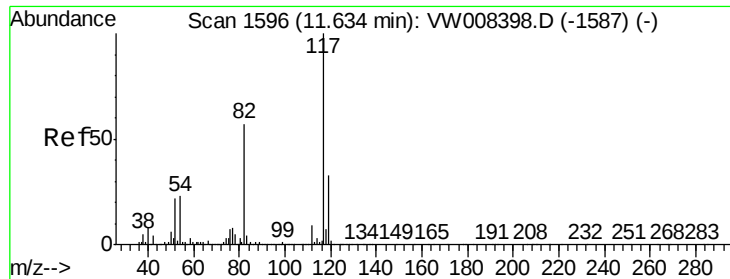
MMDadoda
 2/4/2019 4:34:05 PM



#62
 4-Bromofluorobenzene
 Concen: 52.287 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	157.6
176	81.5	0.0	151.8





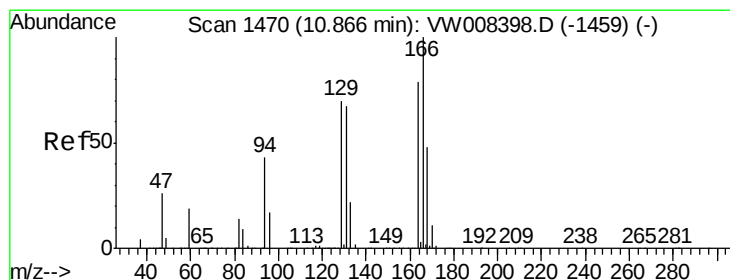
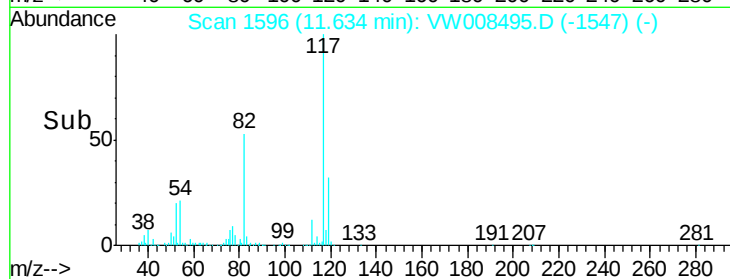
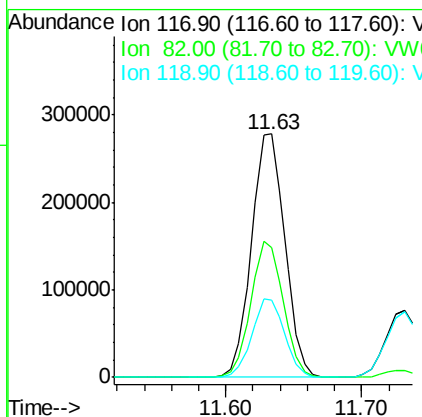
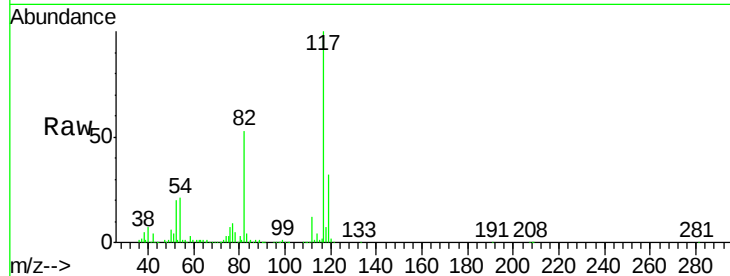
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	480887		
82	53.0		45.4	68.0
119	32.0		26.2	39.4

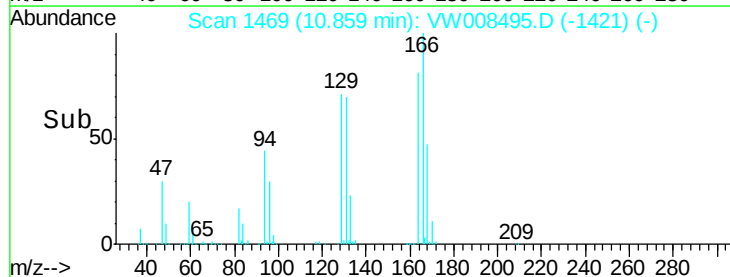
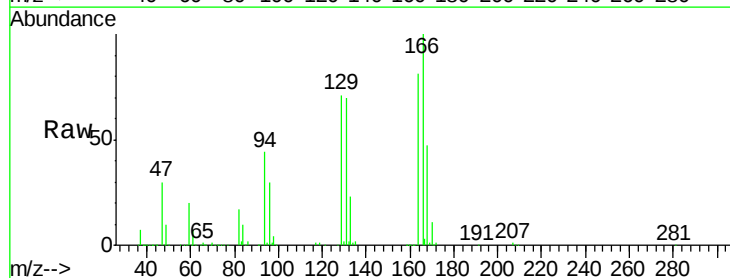
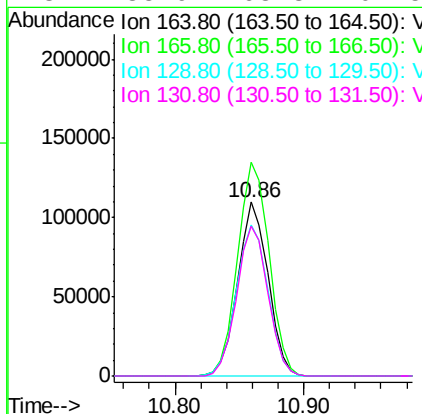
Manual Integrations
APPROVED

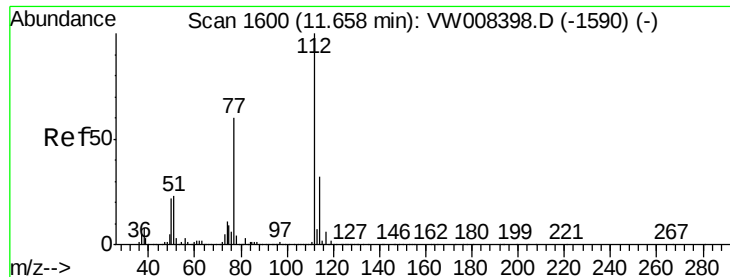
MMDadoda
2/4/2019 4:34:05 PM



#64
Tetrachloroethene
Concen: 55.169 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	179625		
166	122.9		101.4	152.0
129	86.7		71.0	106.6
131	85.9		68.3	102.5





#65

Chlorobenzene

Concen: 53.874 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 528857

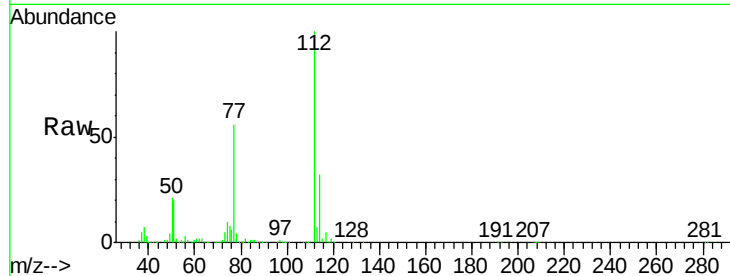
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.2

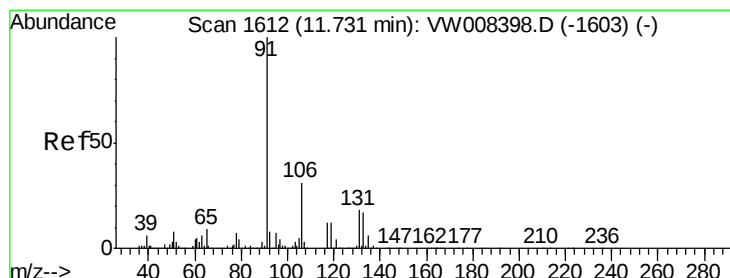
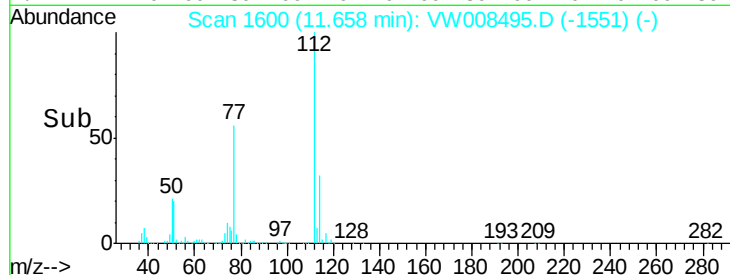
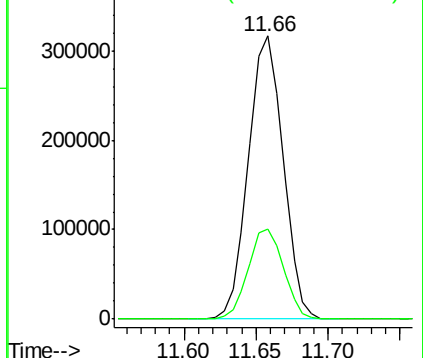
Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.364 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

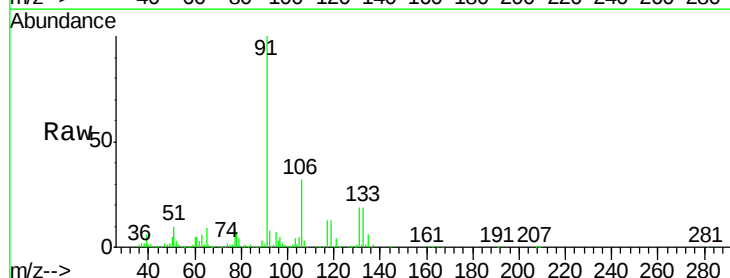
Tgt Ion:131 Resp: 194451

Ion Ratio Lower Upper

131 100

133 94.9 47.0 141.2

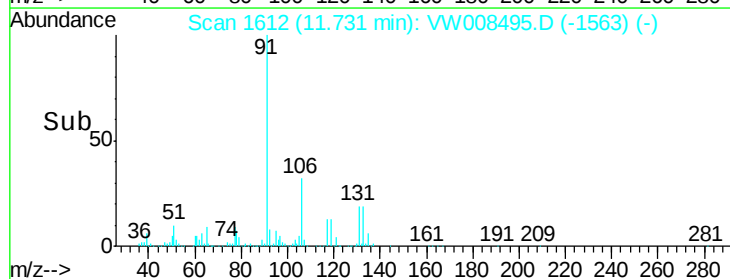
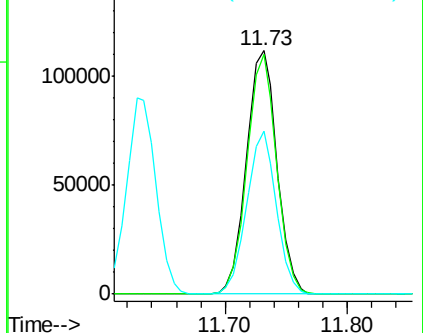
119 64.8 32.1 96.3

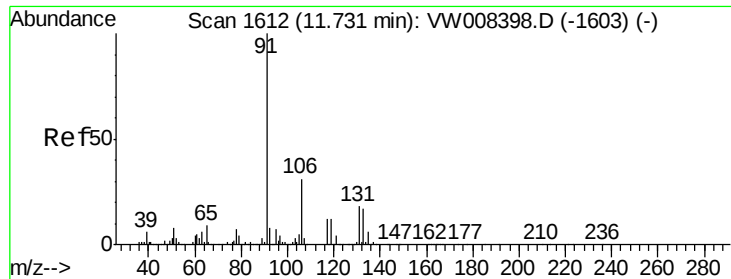


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





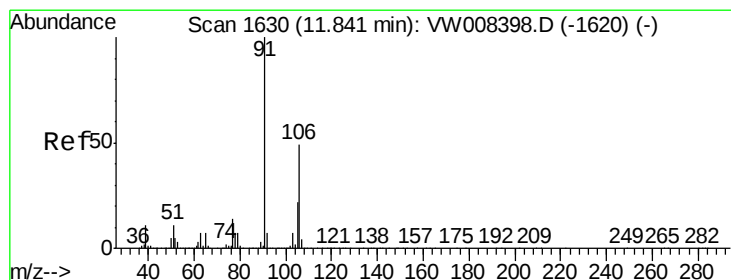
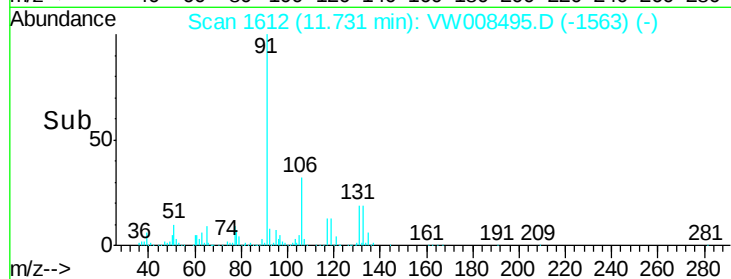
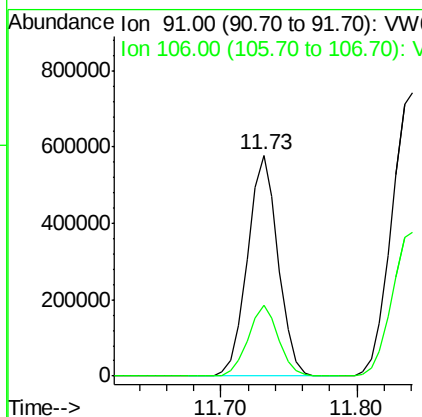
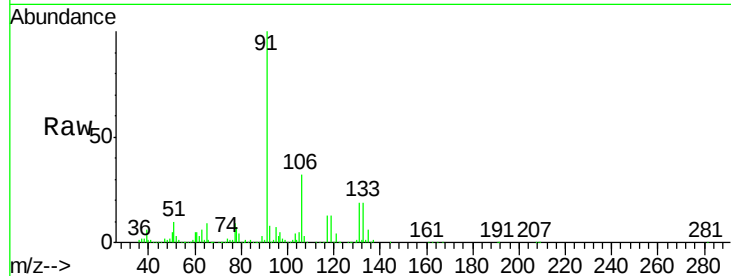
#67
Ethyl Benzene
Concen: 50.266 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 907028
Ion Ratio Lower Upper
91 100
106 32.0 24.7 37.1

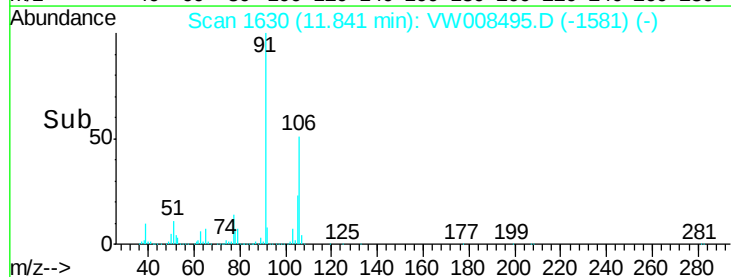
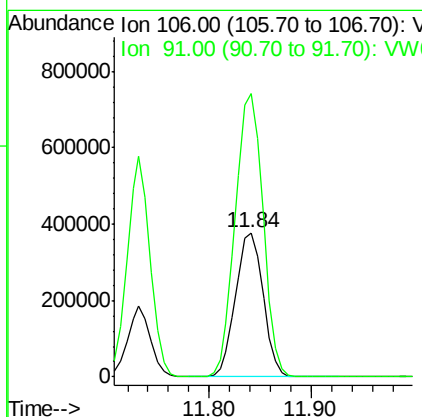
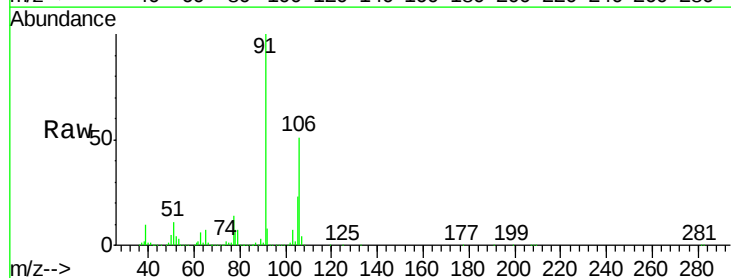
Manual Integrations
APPROVED

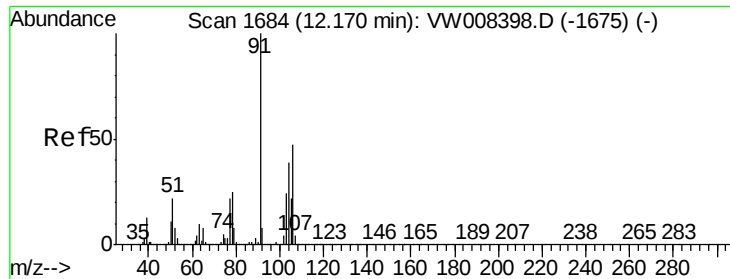
MMDadoda
2/4/2019 4:34:05 PM



#68
m/p-Xylenes
Concen: 100.770 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion: 106 Resp: 705511
Ion Ratio Lower Upper
106 100
91 198.5 162.9 244.3





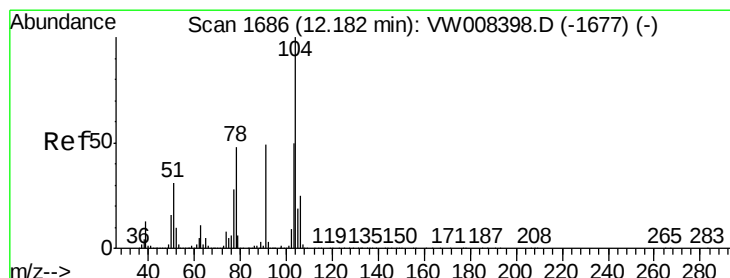
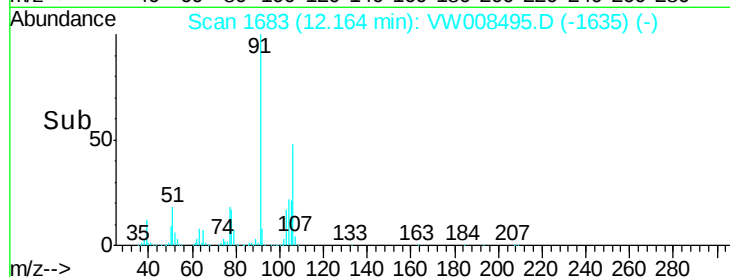
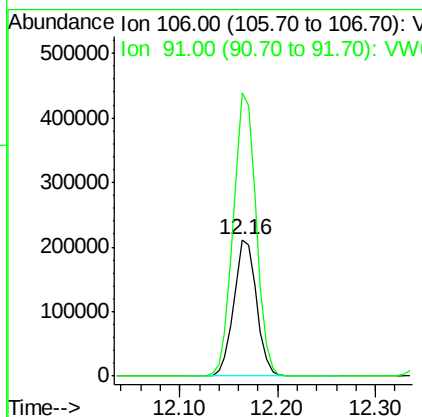
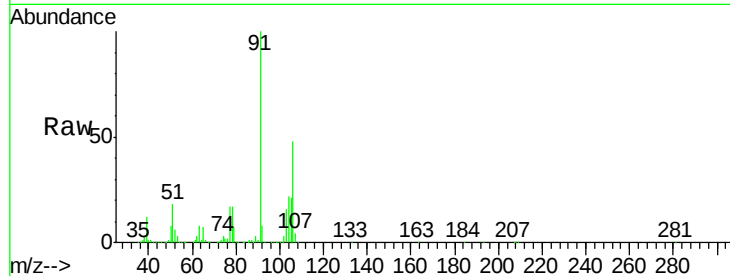
#69
o-Xylene
Concen: 51.112 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.4	107.5	322.4

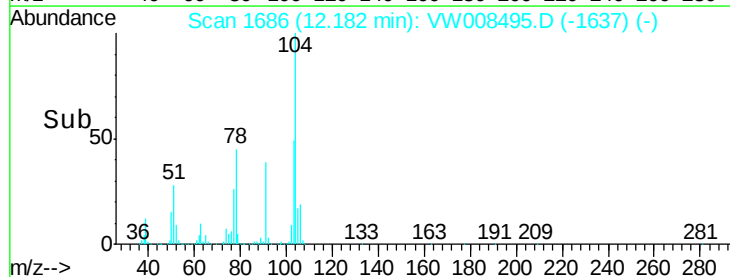
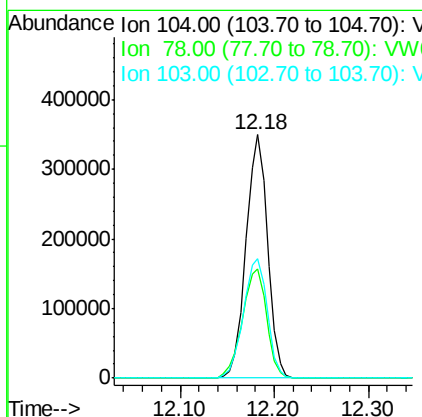
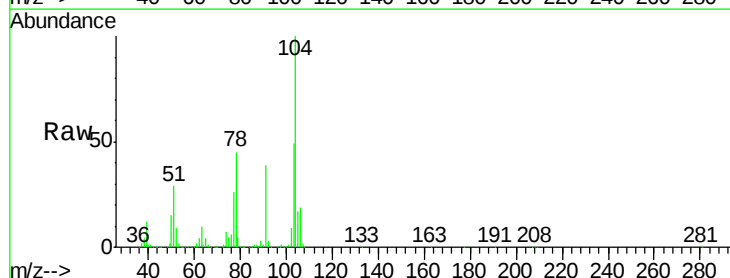
Manual Integrations
APPROVED

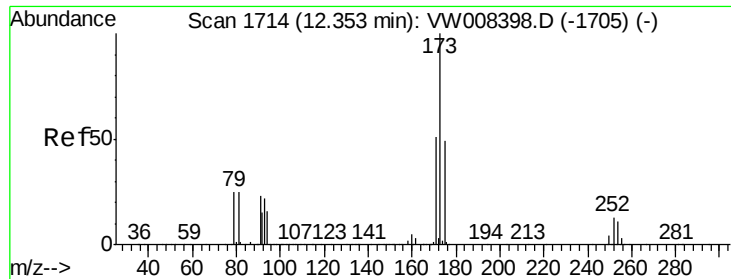
MMDadoda
2/4/2019 4:34:05 PM



#70
Styrene
Concen: 51.080 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	42.4	63.6
103	54.4	43.4	65.0





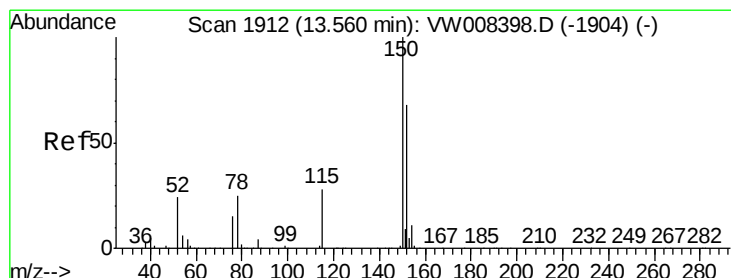
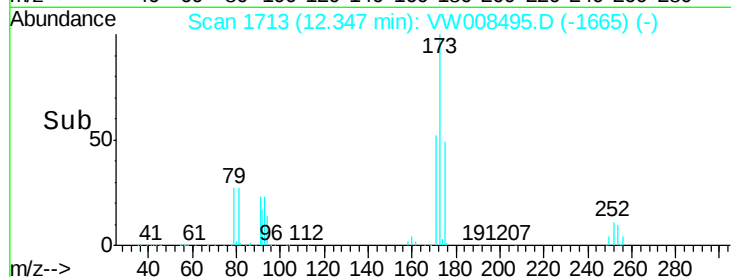
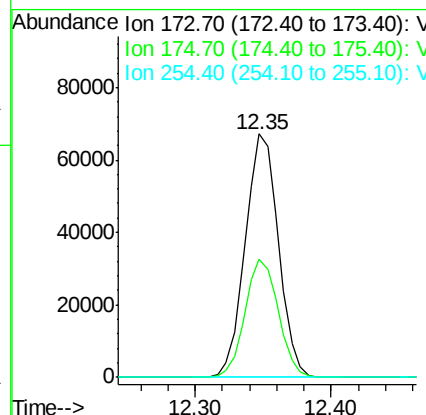
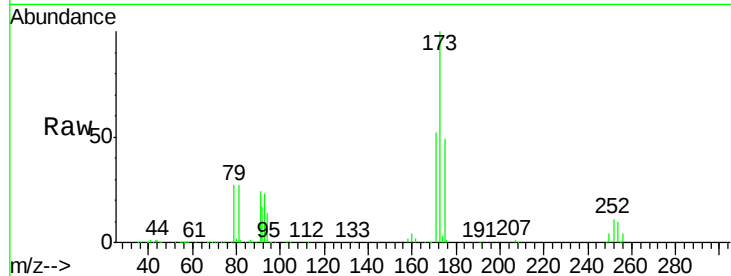
#71
Bromoform
Concen: 58.069 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.3	0.2	0.2#

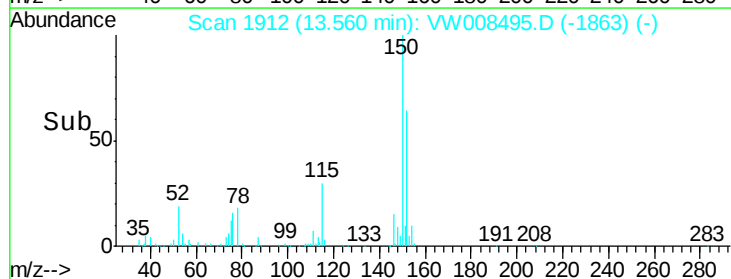
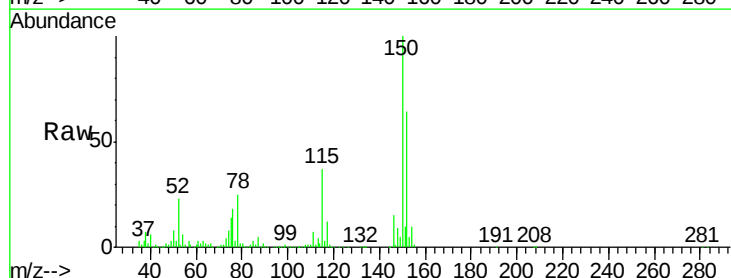
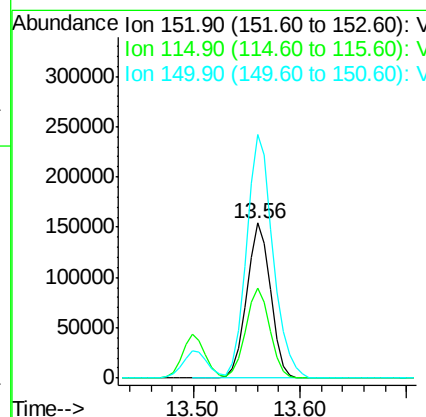
Manual Integrations
APPROVED

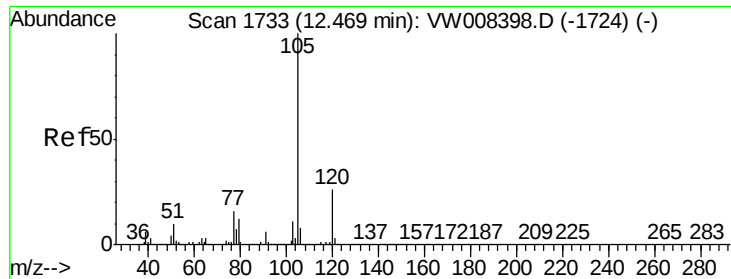
MMDadoda
2/4/2019 4:34:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.9	89.7
150	173.4	0.0	351.4





#73

Isopropylbenzene

Concen: 50.729 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 917270

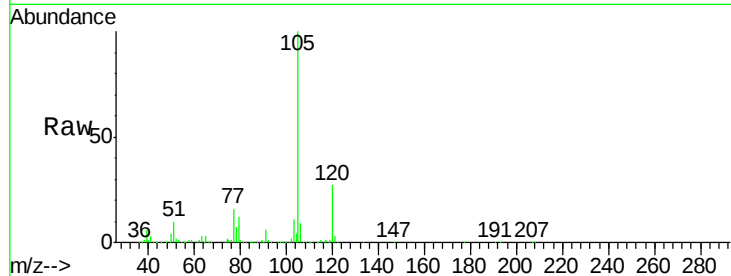
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

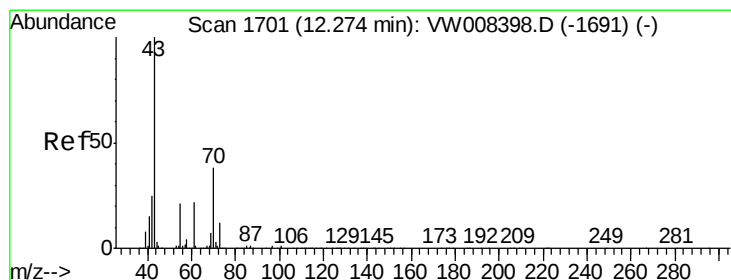
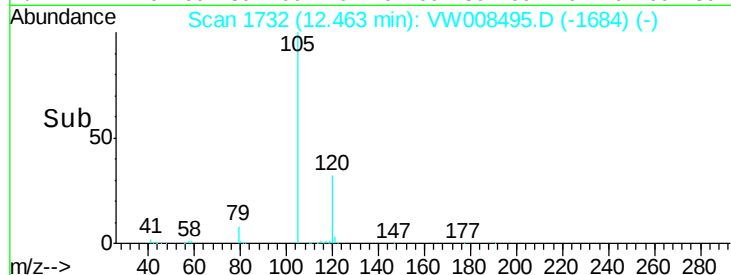
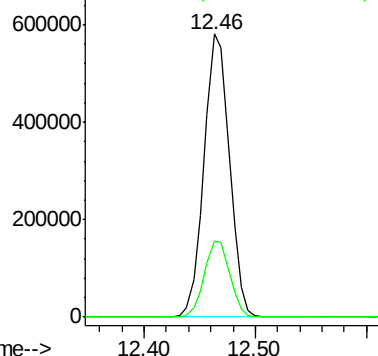
Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.284 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion: 43 Resp: 257518

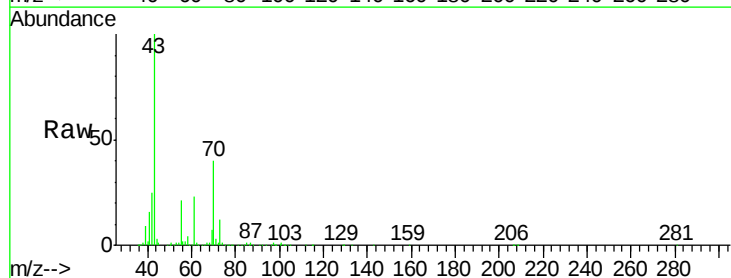
Ion Ratio Lower Upper

43 100

70 40.3 31.0 46.6

55 22.2 17.4 26.2

61 23.3 18.2 27.4

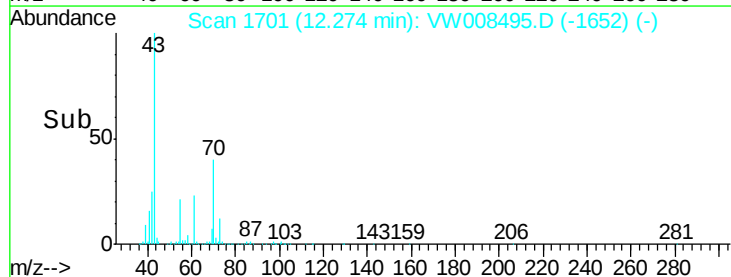
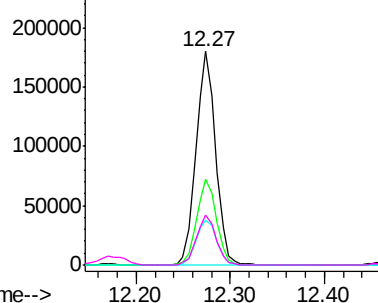


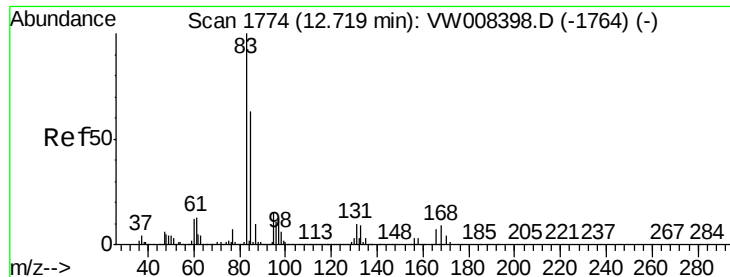
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 60.468 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

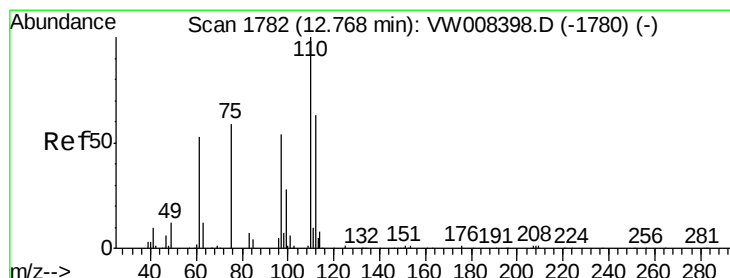
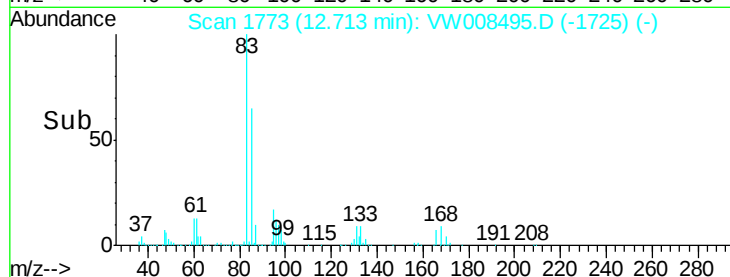
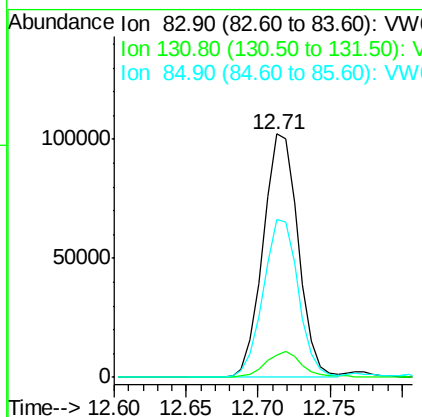
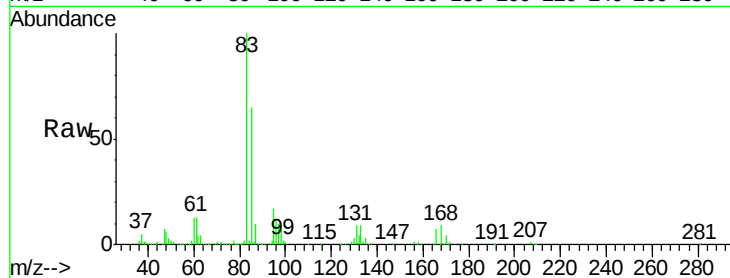
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	173099
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	64.7	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#76

1,2,3-Trichloropropane

Concen: 57.582 ug/l m

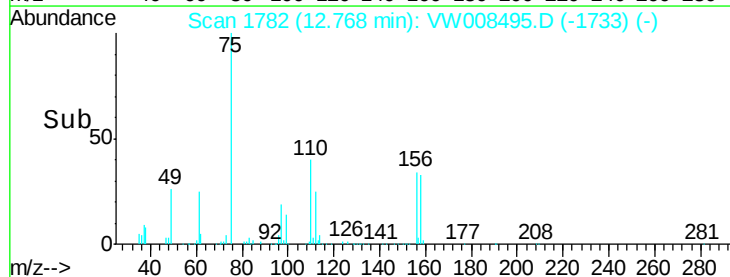
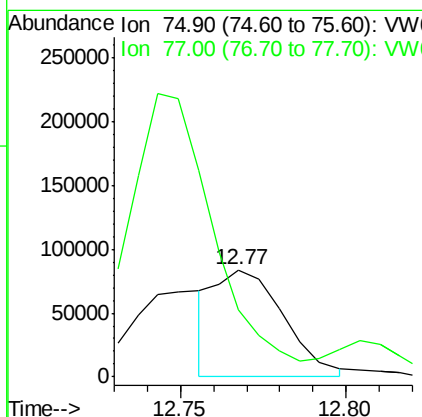
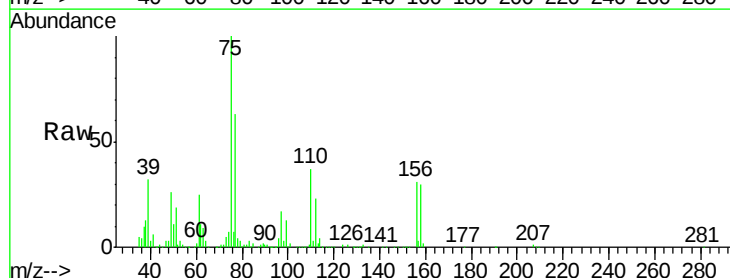
RT: 12.77 min Scan# 1782

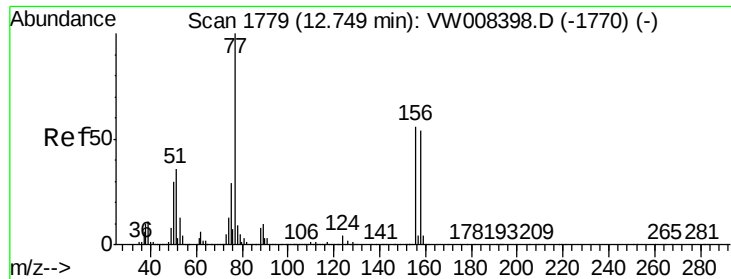
Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	75	Resp:	121423
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





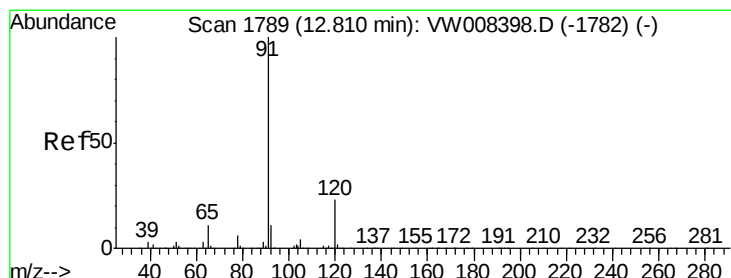
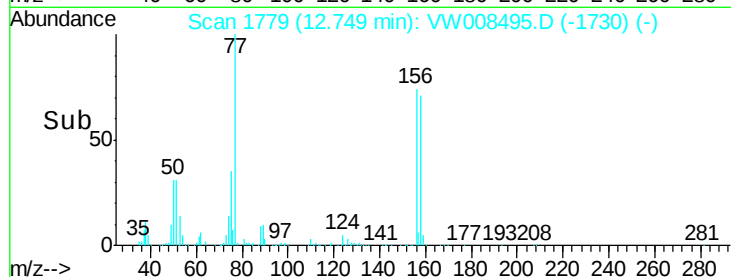
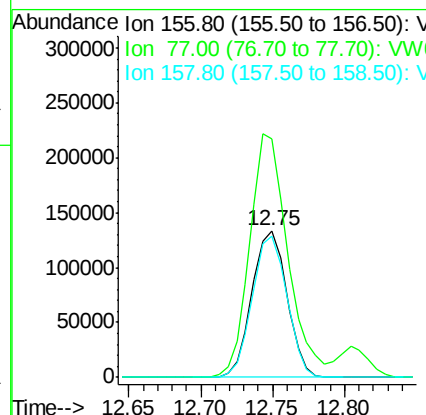
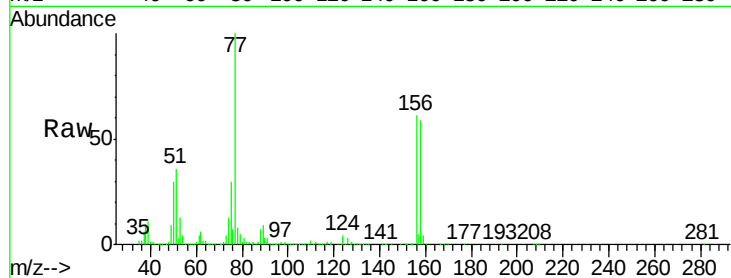
#77
Bromobenzene
Concen: 56.700 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.6	96.9	290.7
158	95.8	48.8	146.4

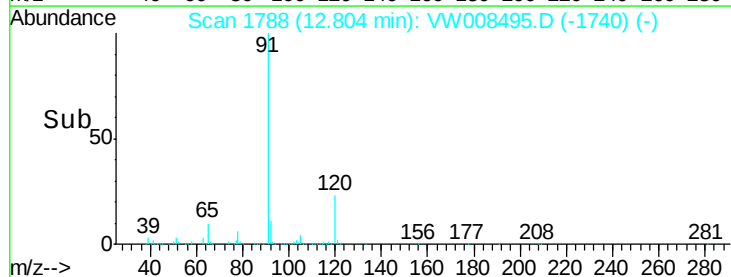
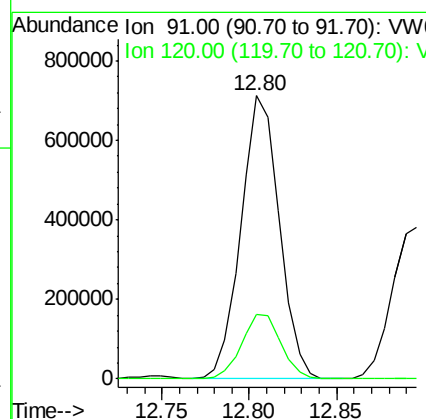
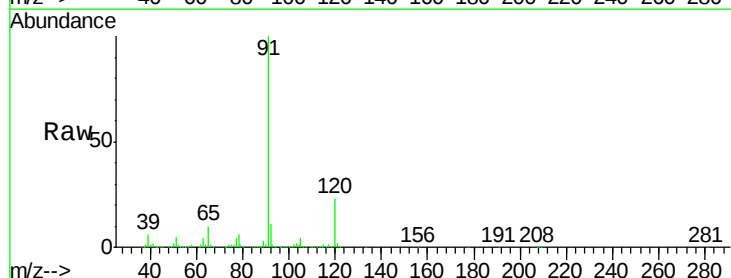
Manual Integrations
APPROVED

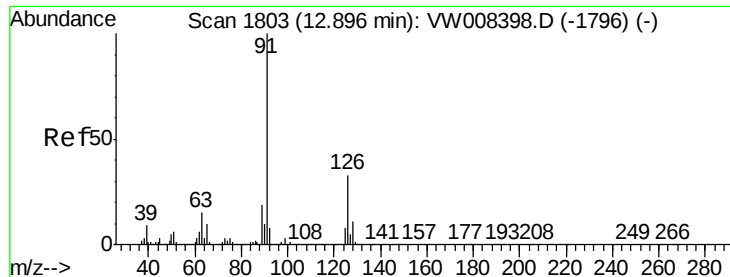
MMDadoda
2/4/2019 4:34:05 PM



#78
n-propylbenzene
Concen: 49.763 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.4	34.1





#79

2-Chlorotoluene

Concen: 50.789 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 622412

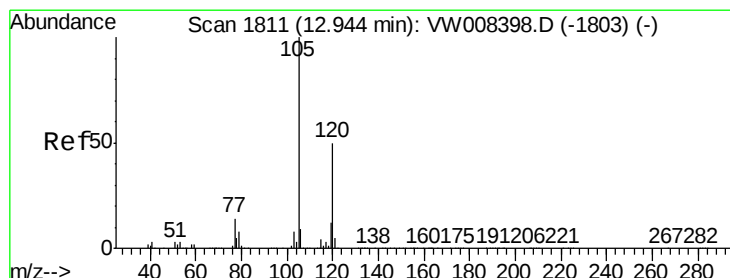
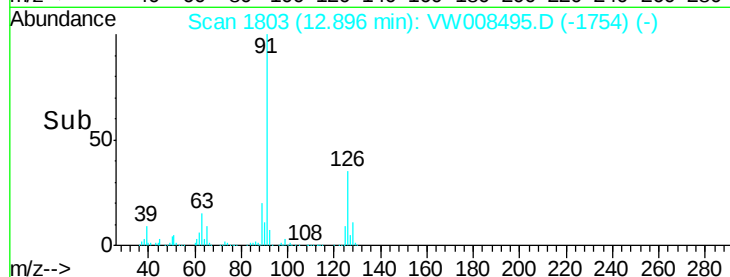
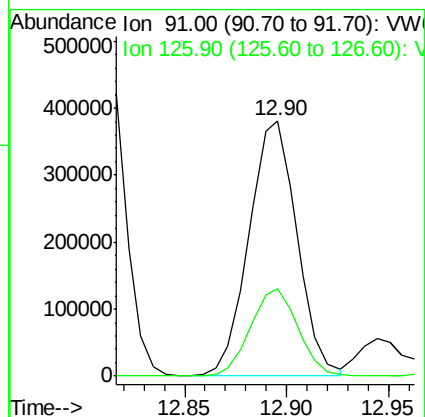
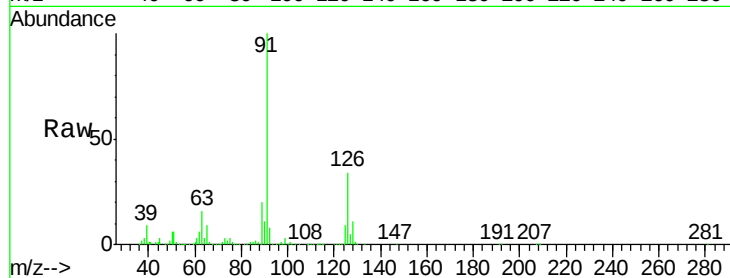
Ion Ratio Lower Upper

91 100

126 34.1 16.5 49.5

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.719 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008495.D

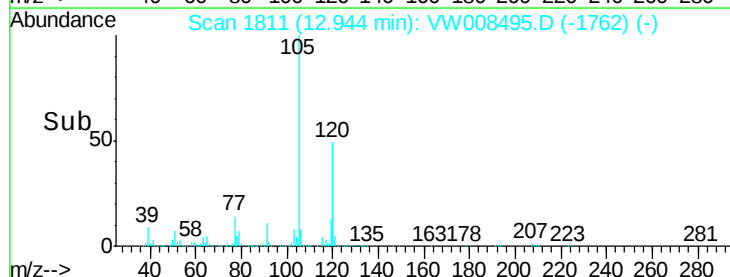
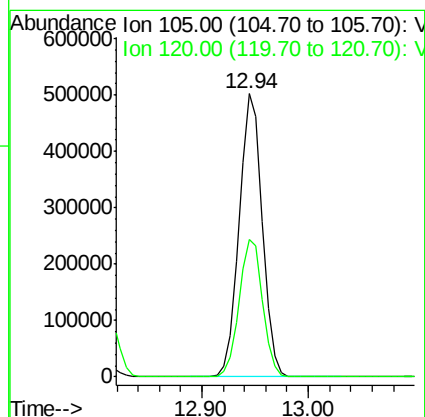
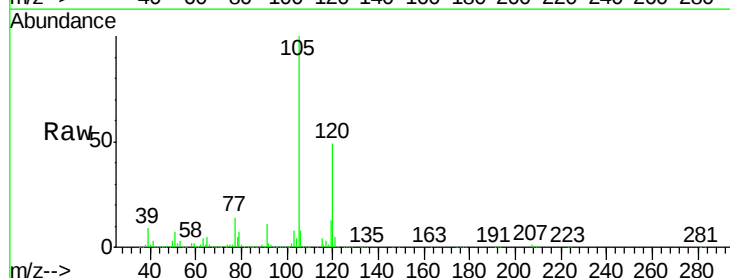
Acq: 01 Feb 2019 21:17

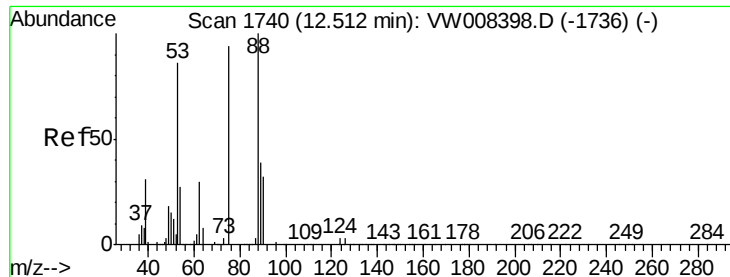
Tgt Ion: 105 Resp: 766519

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8





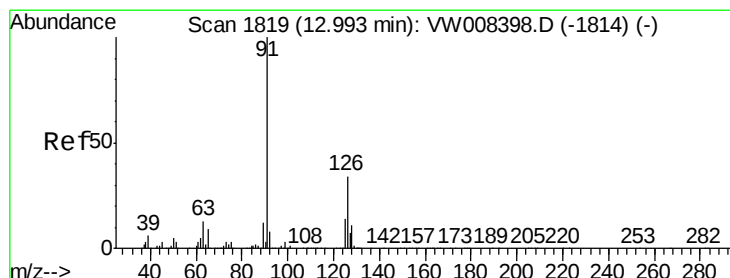
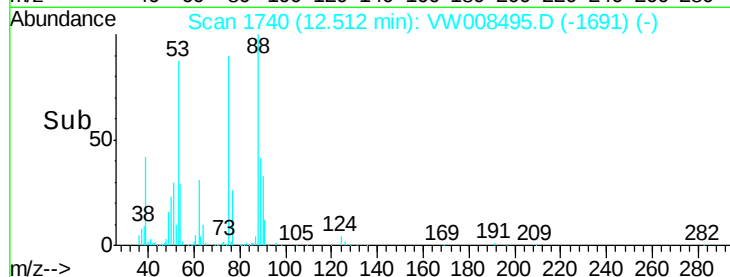
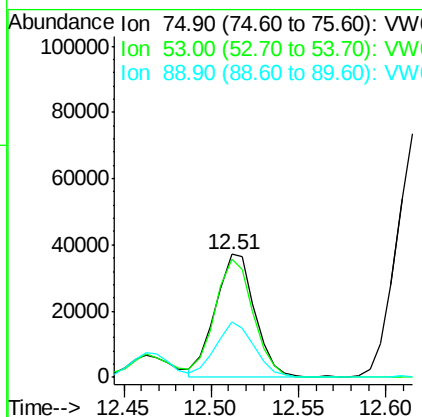
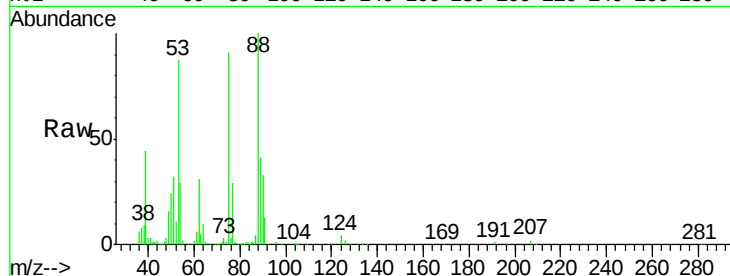
#81
trans-1,4-Dichloro-2-butene
Concen: 54.355 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.7	76.0	114.0
89	44.6	35.4	53.0

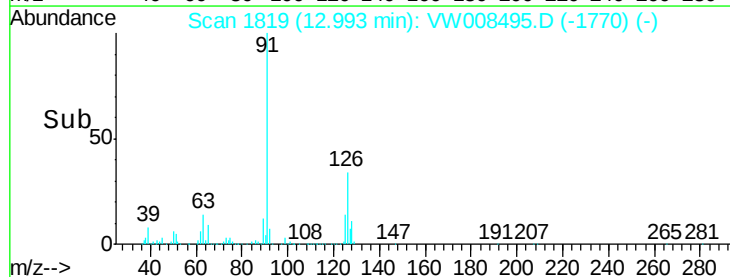
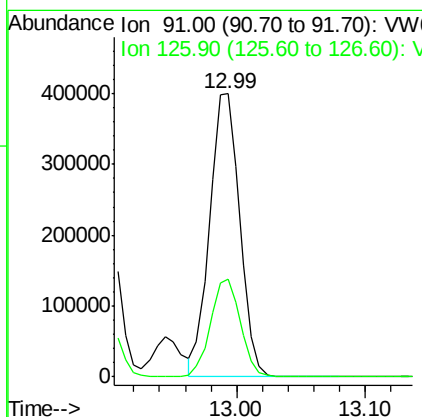
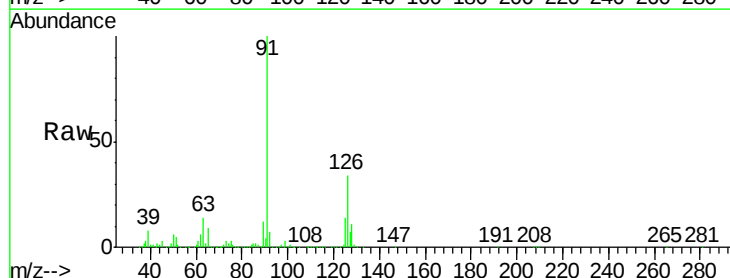
Manual Integrations
APPROVED

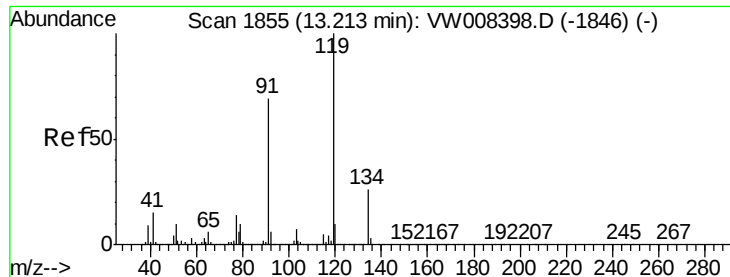
MMDadoda
2/4/2019 4:34:05 PM



#82
4-Chlorotoluene
Concen: 50.138 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.2





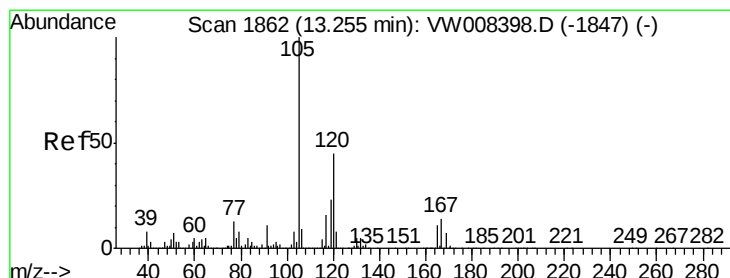
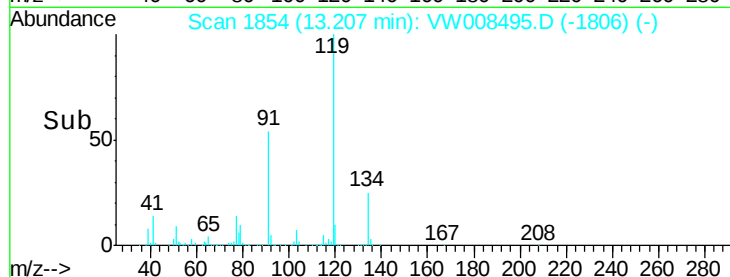
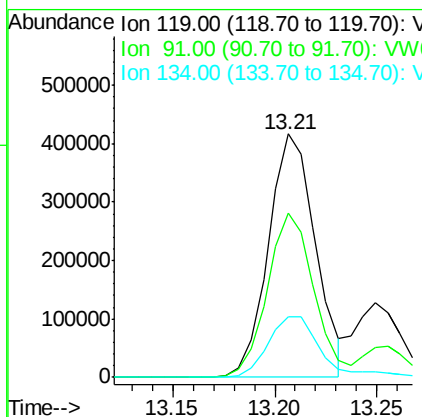
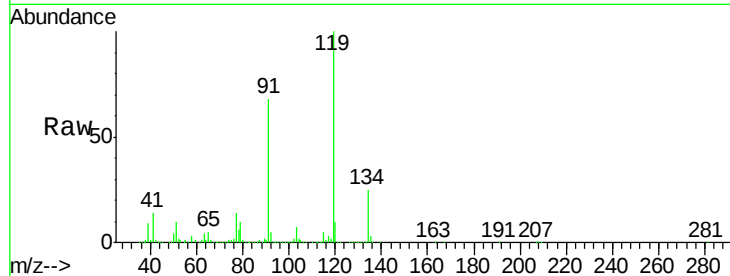
#83
tert-Butylbenzene
Concen: 49.743 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.8	101.4
134	28.3	13.5	40.4

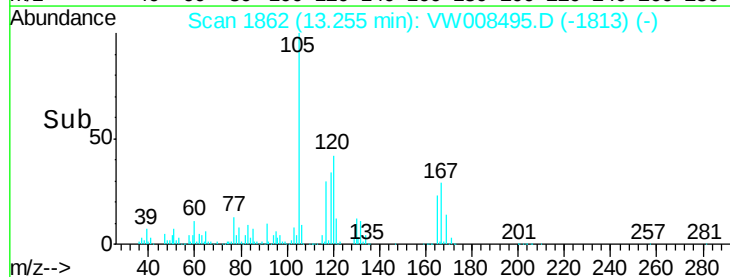
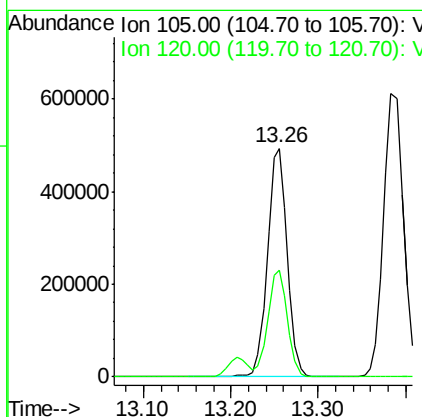
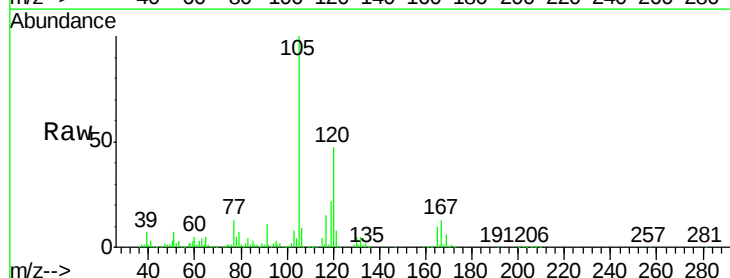
Manual Integrations
APPROVED

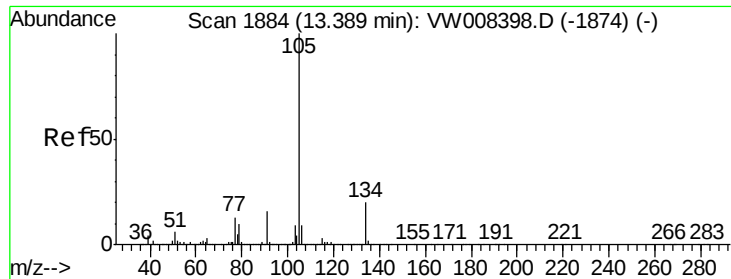
MMDadoda
2/4/2019 4:34:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.043 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.2





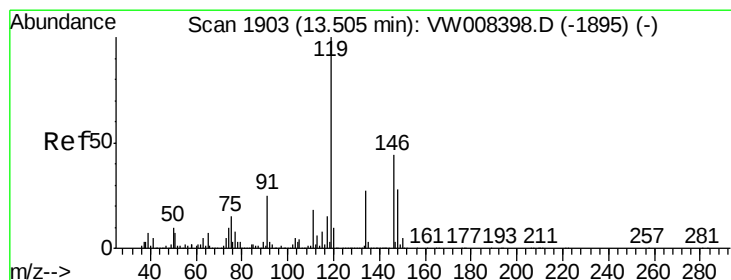
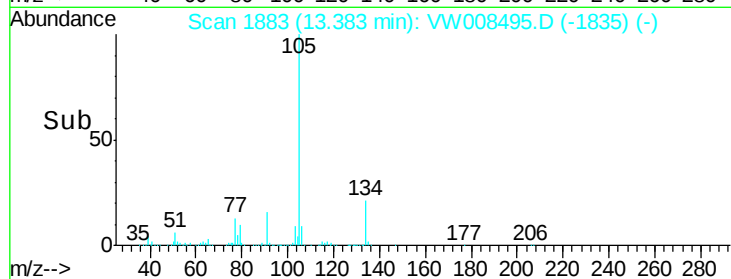
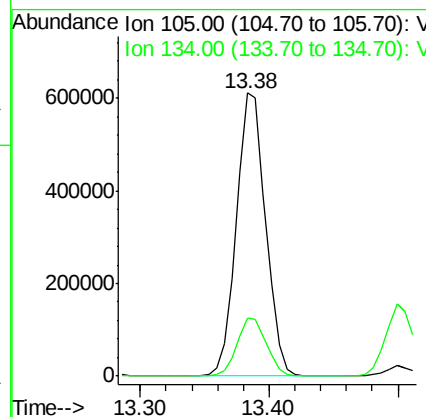
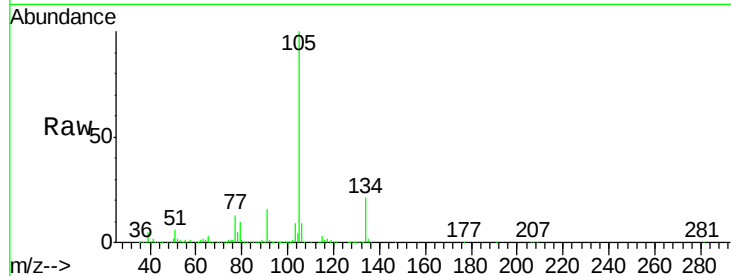
#85
 sec-Butylbenzene
 Concen: 50.056 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.2	30.6

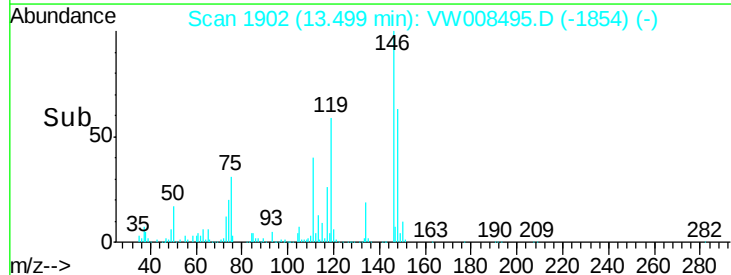
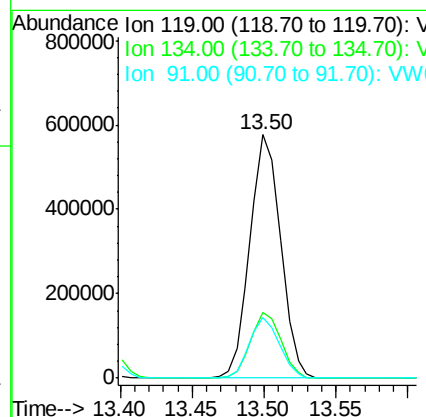
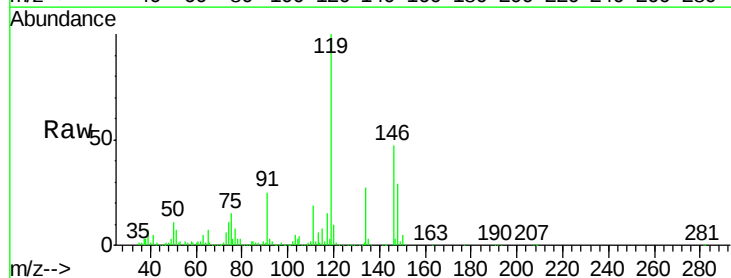
Manual Integrations
 APPROVED

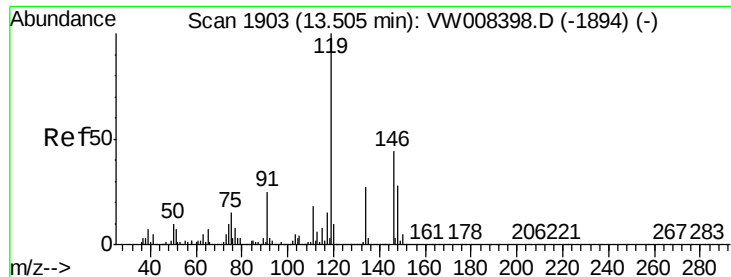
MMDadoda
 2/4/2019 4:34:05 PM



#86
 p-Isopropyltoluene
 Concen: 50.608 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.2
91	24.2	12.6	37.6





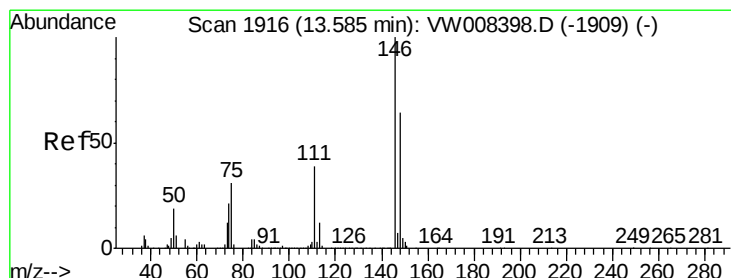
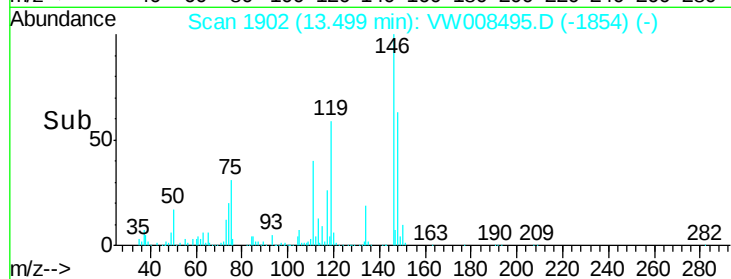
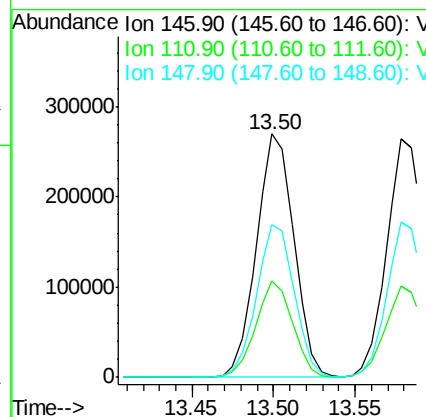
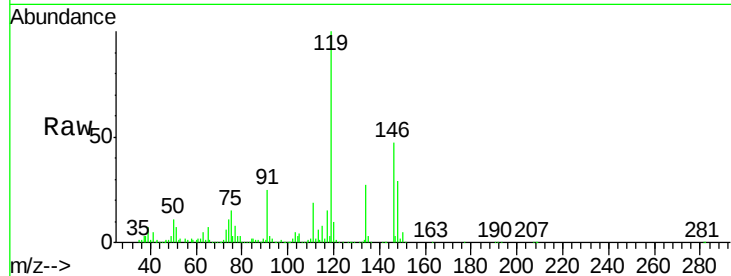
#87
 1,3-Dichlorobenzene
 Concen: 54.246 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.1	20.3	60.9	
148	63.0	31.9	95.7	

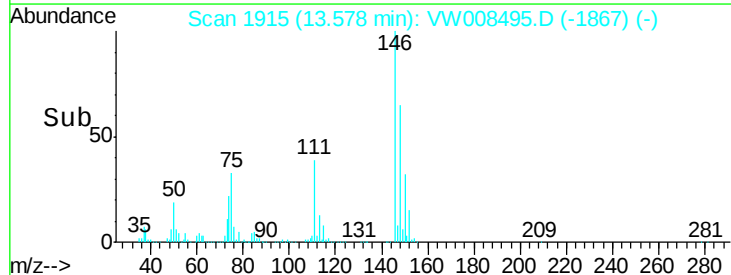
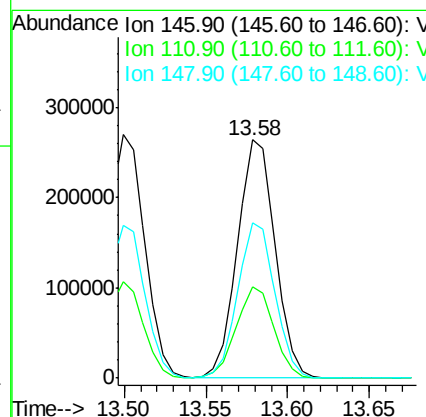
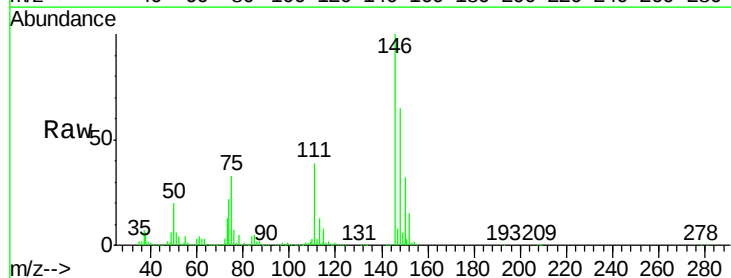
Manual Integrations
 APPROVED

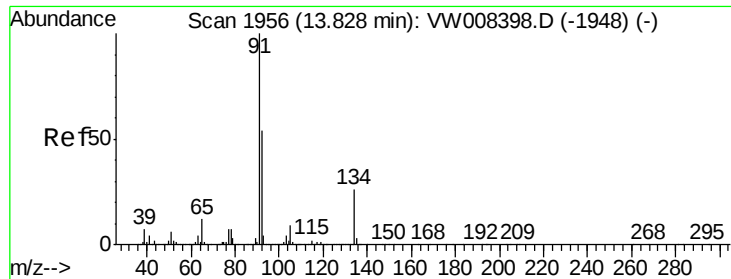
MMDadoda
 2/4/2019 4:34:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.644 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.3	20.0	60.0	
148	64.5	32.0	96.2	





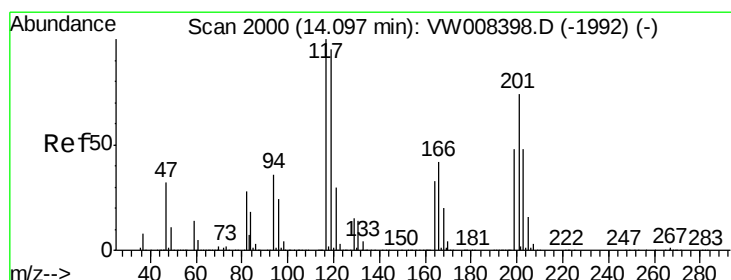
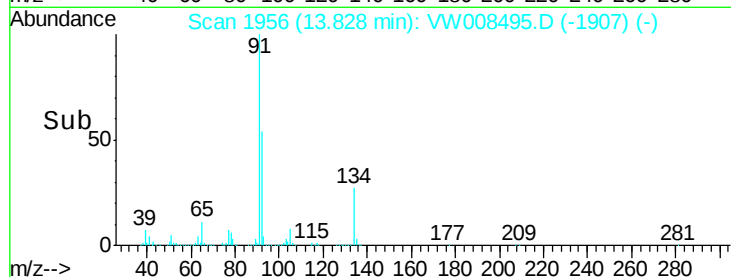
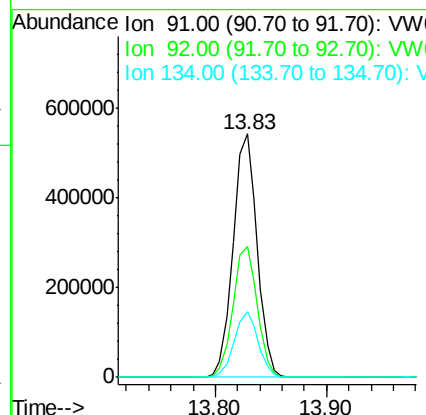
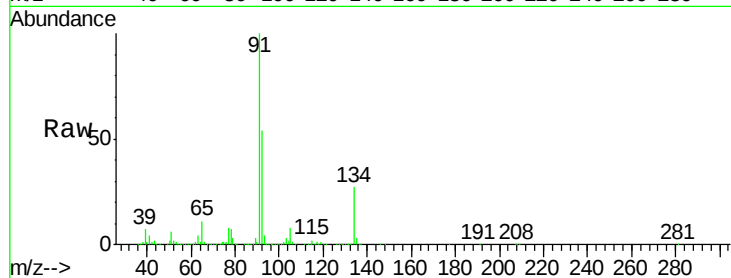
#89
n-Butylbenzene
Concen: 48.858 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.4	82.2
134	26.8	13.0	39.0

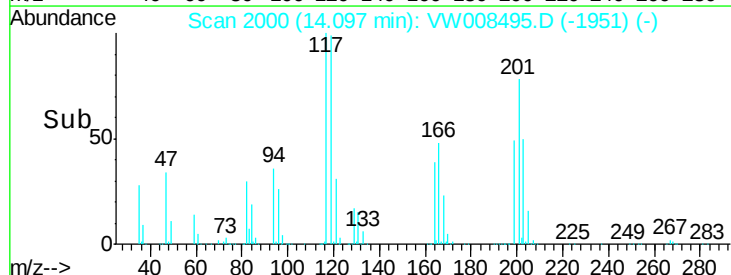
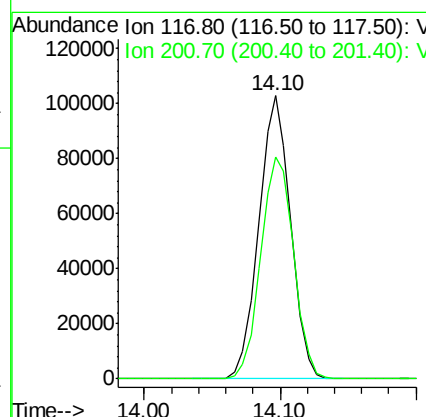
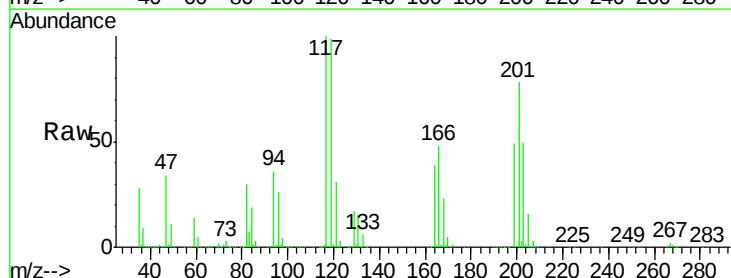
Manual Integrations
APPROVED

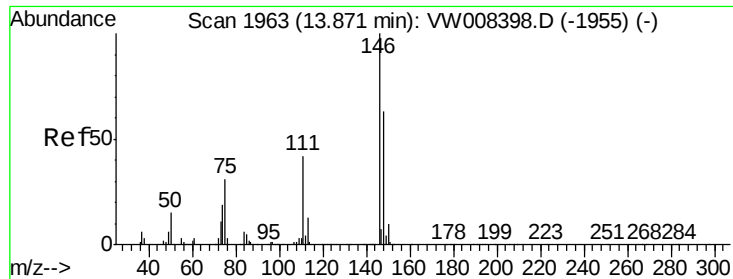
MMDadoda
2/4/2019 4:34:05 PM



#90
Hexachloroethane
Concen: 51.112 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 54.719 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Instrument :

MSVOA_W

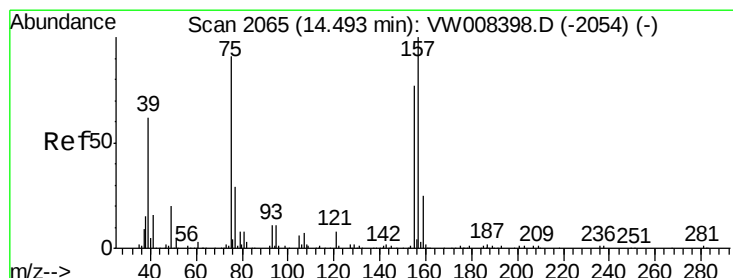
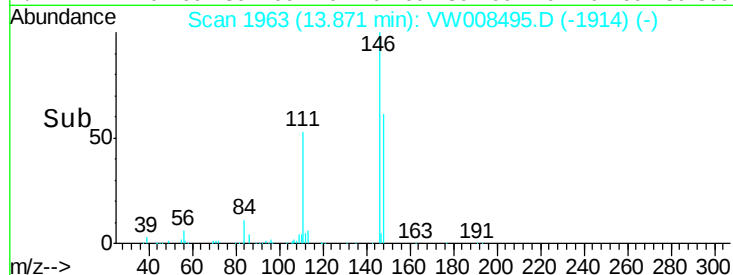
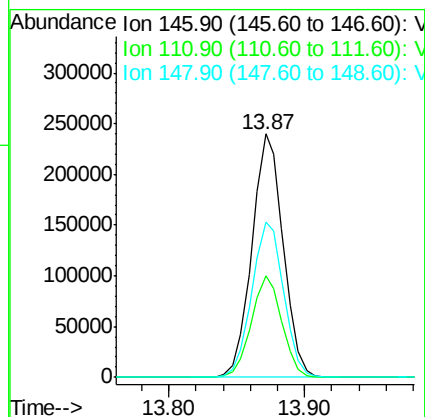
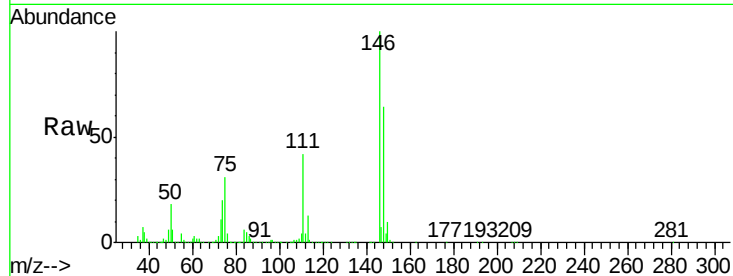
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	386121
Ion Ratio	Lower	Upper	
146	100		
111	40.7	21.1	63.3
148	65.1	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.664 ug/l

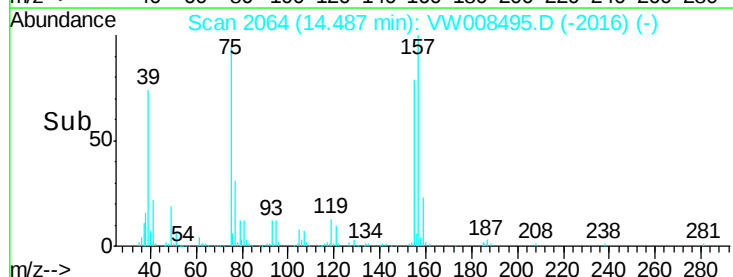
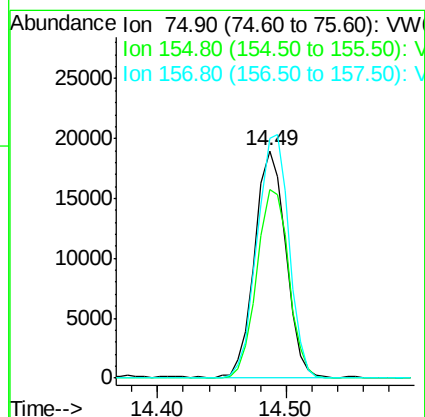
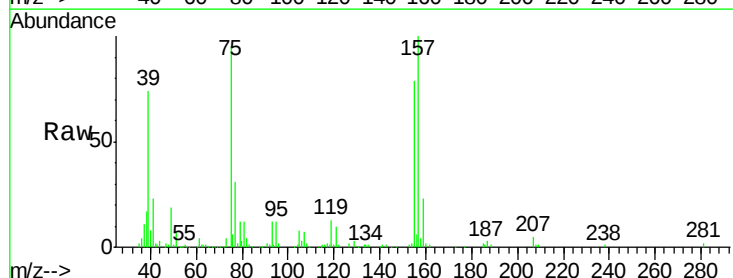
RT: 14.49 min Scan# 2064

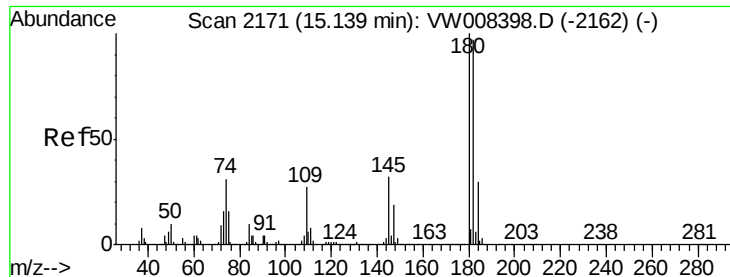
Delta R.T. -0.01 min

Lab File: VW008495.D

Acq: 01 Feb 2019 21:17

Tgt Ion:	75	Resp:	31864
Ion Ratio	Lower	Upper	
75	100		
155	84.6	42.7	128.1
157	108.9	55.5	166.3





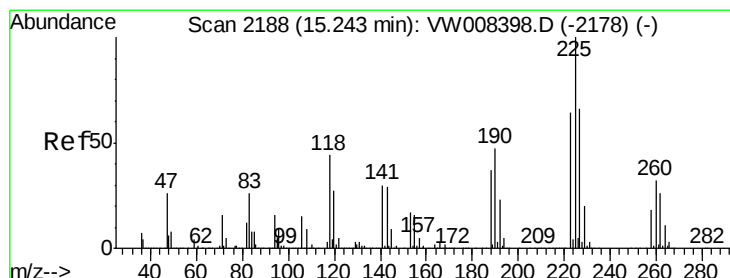
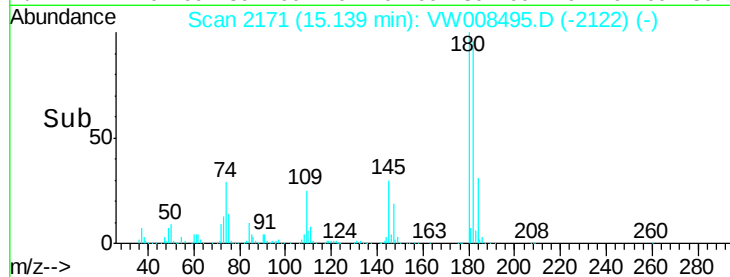
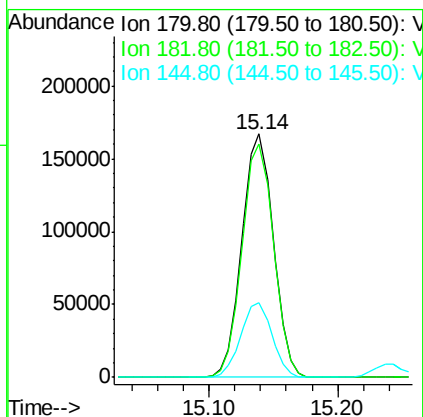
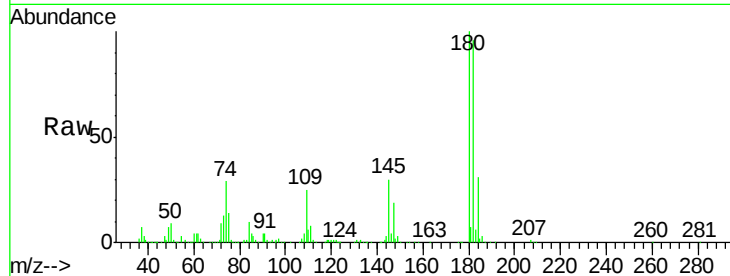
#93
 1,2,4-Trichlorobenzene
 Concen: 56.019 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.4	47.9	143.7	
145	30.6	15.5	46.5	

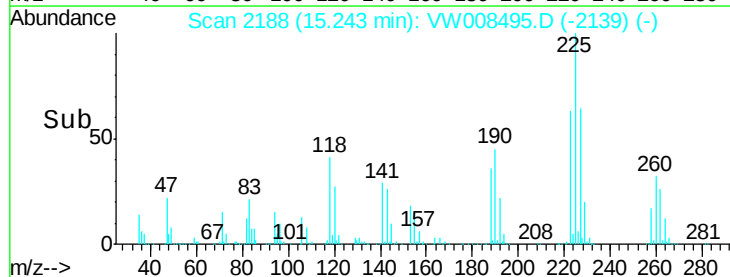
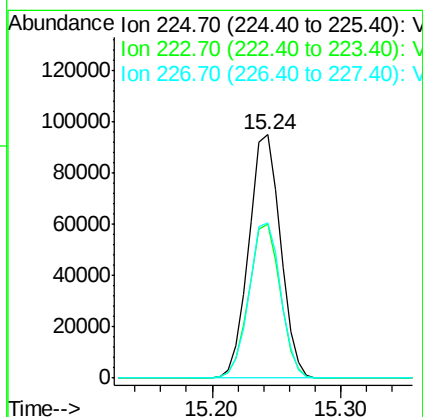
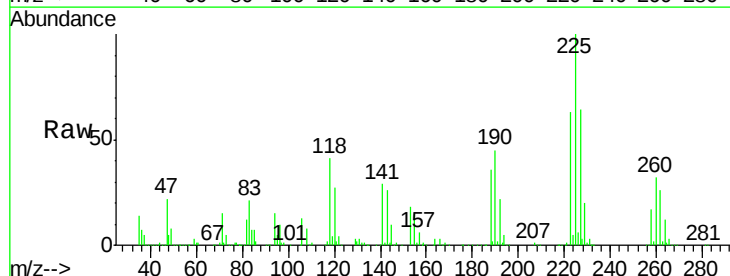
Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:34:05 PM



#94
 Hexachlorobutadiene
 Concen: 53.135 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008495.D
 Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.7	95.1	
227	63.6	32.1	96.3	





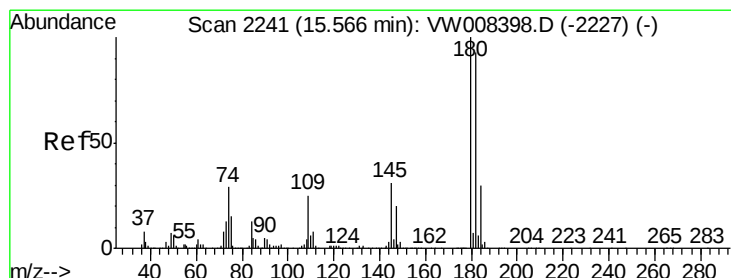
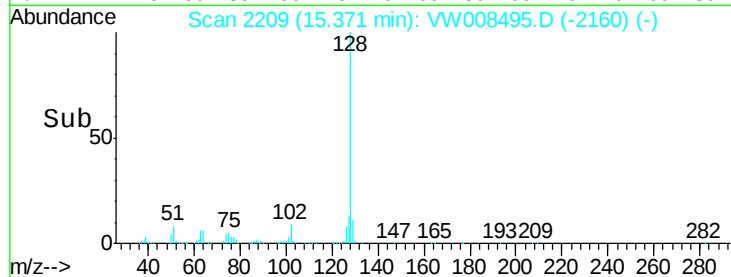
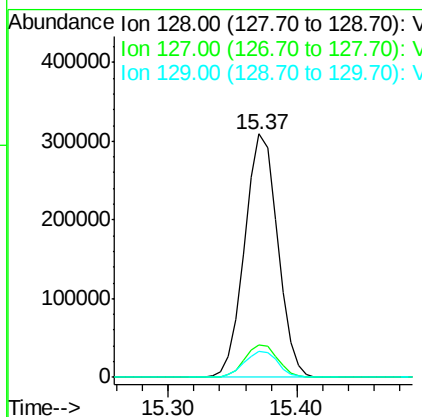
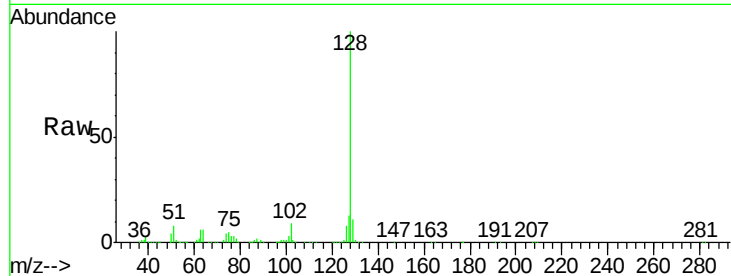
#95
Naphthalene
Concen: 61.764 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	546102		
127	13.3	10.6	15.8	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:34:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 58.166 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008495.D
Acq: 01 Feb 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	248458		
182	96.4	47.0	141.2	
145	32.5	15.9	47.6	

