

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081019\
 Data File : VW011780.D
 Acq On : 08 Aug 2019 20:33
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 10:55:11 AM

Quant Time: Aug 09 05:43:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	205417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137021	58.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.18%	
35) Dibromofluoromethane	7.88	113	110943	58.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.94%	
50) Toluene-d8	10.32	98	450568	58.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.00%	
62) 4-Bromofluorobenzene	12.62	95	159355	58.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58469	51.073	ug/l	97
3) Chloromethane	2.21	50	103152	51.962	ug/l	98
4) Vinyl Chloride	2.36	62	129427	54.155	ug/l	100
5) Bromomethane	2.75	94	63460	47.971	ug/l	94
6) Chloroethane	2.90	64	73500	53.839	ug/l	98
7) Trichlorofluoromethane	3.25	101	62645	58.650	ug/l	99
8) Diethyl Ether	3.68	74	69158	57.107	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	111391	54.976	ug/l	99
10) Methyl Iodide	4.27	142	161215	56.303	ug/l	99
11) Tert butyl alcohol	5.17	59	45247	260.689	ug/l	99
12) 1,1-Dichloroethene	4.04	96	119473	55.846	ug/l	98
13) Acrolein	3.89	56	44356	262.077	ug/l	97
14) Allyl chloride	4.67	41	267024	58.685	ug/l	99
15) Acrylonitrile	5.37	53	175927	291.012	ug/l	99
16) Acetone	4.12	43	175520	233.928	ug/l	99
17) Carbon Disulfide	4.38	76	359318	53.663	ug/l	100
18) Methyl Acetate	4.67	43	98645	58.523	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	200127	58.950	ug/l	100
20) Methylene Chloride	4.92	84	139367	53.858	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	133368	57.824	ug/l	98
22) Diisopropyl ether	6.31	45	508546	59.280	ug/l	98
23) Vinyl Acetate	6.25	43	1581038	293.302	ug/l	100
24) 1,1-Dichloroethane	6.21	63	271842	59.167	ug/l	99
25) 2-Butanone	7.17	43	255801	260.540	ug/l	99
26) 2,2-Dichloropropane	7.17	77	143789	50.889	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	147877	58.255	ug/l	99
28) Bromochloromethane	7.51	49	125544	61.562	ug/l #	100
29) Tetrahydrofuran	7.53	42	161439	287.662	ug/l	99
30) Chloroform	7.67	83	246397	58.130	ug/l	97
31) Cyclohexane	7.95	56	242412	54.965	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	191500	59.323	ug/l	99
36) 1,1-Dichloropropene	8.08	75	201163	57.694	ug/l	100
37) Ethyl Acetate	7.25	43	114197	56.928	ug/l	98
38) Carbon Tetrachloride	8.07	117	173451	58.110	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	220251	57.368	ug/l	98
40) Benzene	8.32	78	563359	57.683	ug/l	100
41) Methacrylonitrile	7.48	41	67860	56.591	ug/l	95
42) 1,2-Dichloroethane	8.40	62	177055	57.904	ug/l	100
43) Isopropyl Acetate	8.43	43	215539	58.425	ug/l	100
44) Trichloroethene	9.09	130	135649	57.788	ug/l	99
45) 1,2-Dichloropropane	9.37	63	153519	58.748	ug/l	98
46) Dibromomethane	9.46	93	68369	57.323	ug/l	99
47) Bromodichloromethane	9.65	83	183718	58.722	ug/l	100
48) Methyl methacrylate	9.43	41	104251	58.828	ug/l	100
49) 1,4-Dioxane	9.45	88	21455	1242.357	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	557860	290.715	ug/l	100
52) Toluene	10.39	92	340817	57.786	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	190312	58.232	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	227290	58.491	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	97405	57.559	ug/l	100
56) Ethyl methacrylate	10.65	69	146401	59.120	ug/l	98
57) 1,3-Dichloropropane	10.93	76	184623	57.666	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	400033	355.790	ug/l	100
59) 2-Hexanone	10.97	43	382602	282.387	ug/l	100
60) Dibromochloromethane	11.13	129	110279	58.707	ug/l	99
61) 1,2-Dibromoethane	11.24	107	92898	58.009	ug/l	100
64) Tetrachloroethene	10.87	164	110983	57.937	ug/l	97
65) Chlorobenzene	11.66	112	337686	57.092	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121124	58.790	ug/l	100
67) Ethyl Benzene	11.73	91	660132	58.600	ug/l	100
68) m/p-Xylenes	11.84	106	475909	116.167	ug/l	99
69) o-Xylene	12.16	106	223147	58.616	ug/l	98
70) Styrene	12.18	104	391030	59.407	ug/l	100
71) Bromoform	12.35	173	61871	58.899	ug/l #	97
73) Isopropylbenzene	12.46	105	619970	59.599	ug/l	99
74) N-amyl acetate	12.27	43	196637	60.379	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	115310	58.932	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81751m	55.409	ug/l	
77) Bromobenzene	12.75	156	136002	59.151	ug/l	100
78) n-propylbenzene	12.80	91	743491	58.729	ug/l	100
79) 2-Chlorotoluene	12.89	91	427921	58.673	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	513187	58.853	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	38521	60.172	ug/l	99
82) 4-Chlorotoluene	12.99	91	441555	57.703	ug/l	99
83) tert-Butylbenzene	13.21	119	433535	59.455	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	517047	58.863	ug/l	100
85) sec-Butylbenzene	13.38	105	605228	58.170	ug/l	99
86) p-Isopropyltoluene	13.50	119	546383	57.878	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	259857	57.640	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	253279	56.476	ug/l	99
89) n-Butylbenzene	13.82	91	532169	56.489	ug/l	100
90) Hexachloroethane	14.09	117	97901	58.648	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	230216	57.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19202	57.549	ug/l	99

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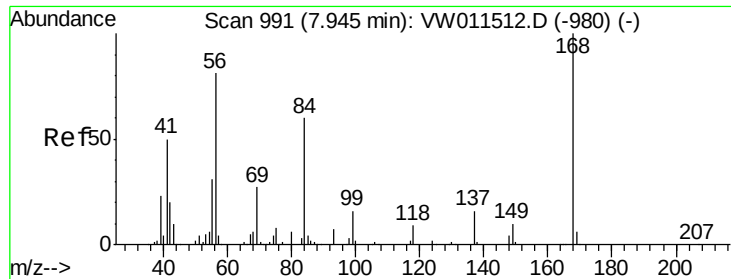
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	156979	55.861	ug/l	100
94) Hexachlorobutadiene	15.24	225	97896	55.861	ug/l	98
95) Naphthalene	15.37	128	301243	54.529	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	140400	56.997	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 205417

Ion Ratio Lower Upper

168 100

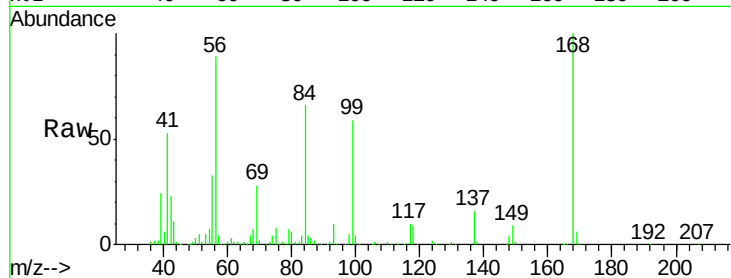
99 59.3 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

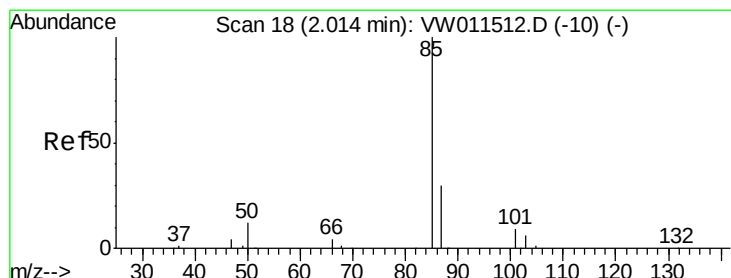
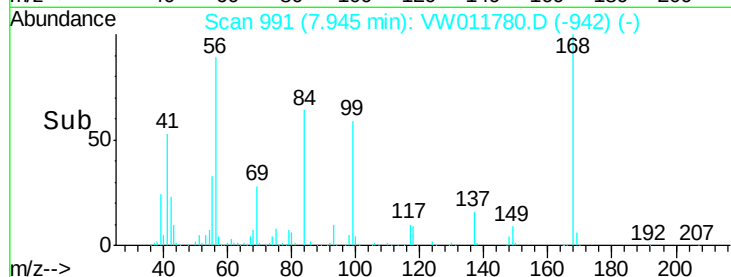
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.073 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011780.D

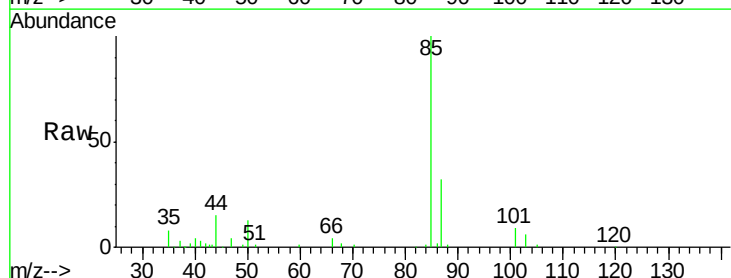
Acq: 08 Aug 2019 20:33

Tgt Ion: 85 Resp: 58469

Ion Ratio Lower Upper

85 100

87 31.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

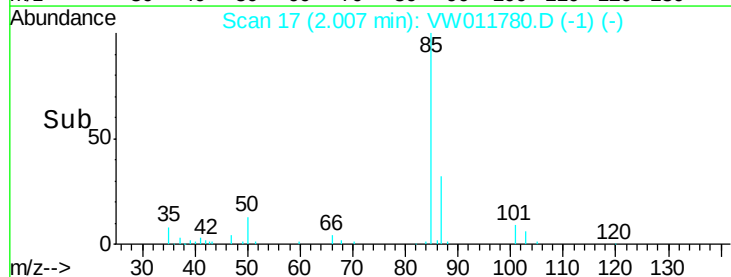
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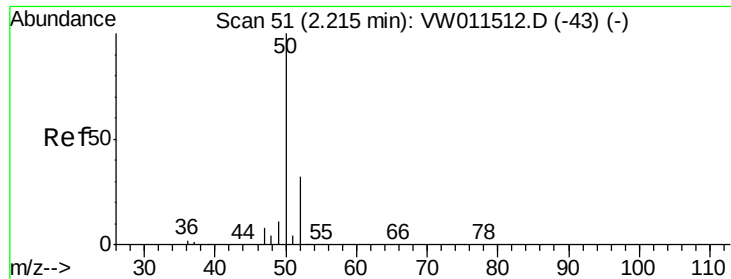
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 51.962 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 103152

Ion Ratio Lower Upper

50 100

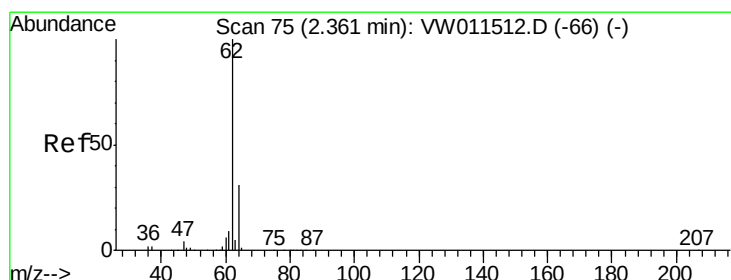
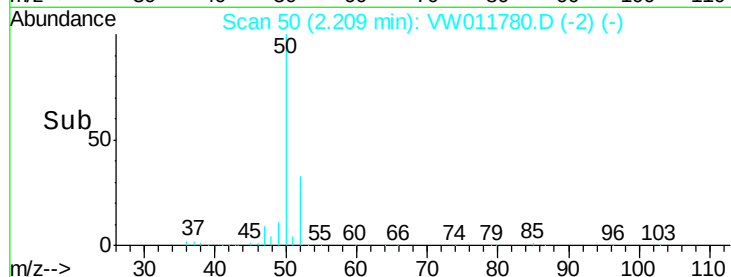
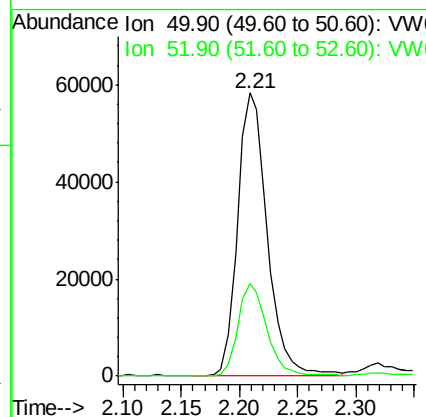
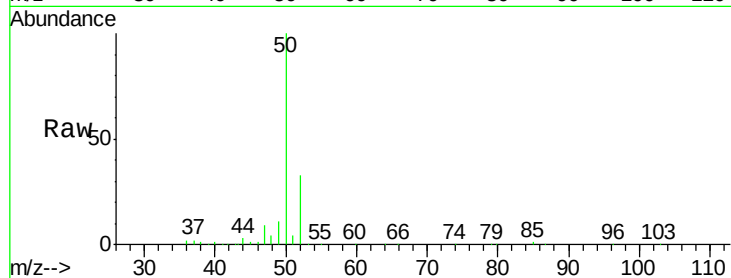
52 32.8 25.4 38.2

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#4

Vinyl Chloride

Concen: 54.155 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011780.D

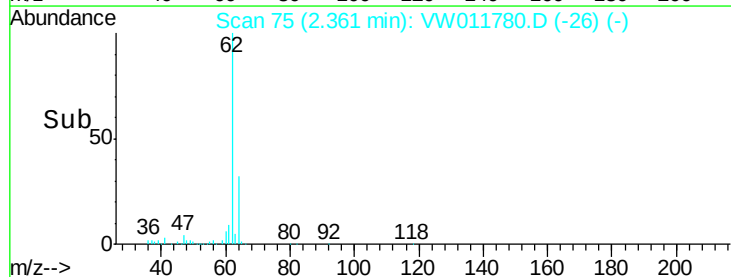
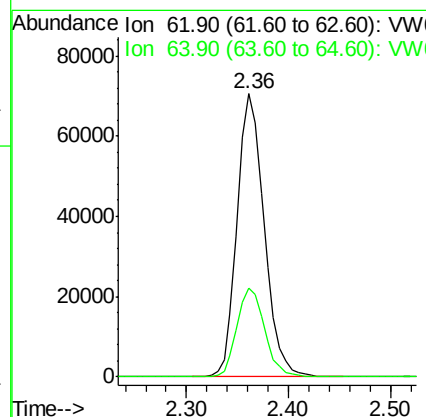
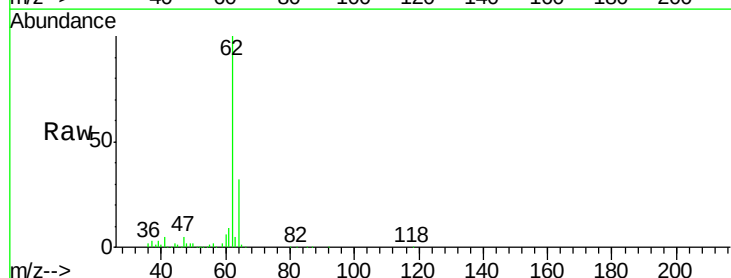
Acq: 08 Aug 2019 20:33

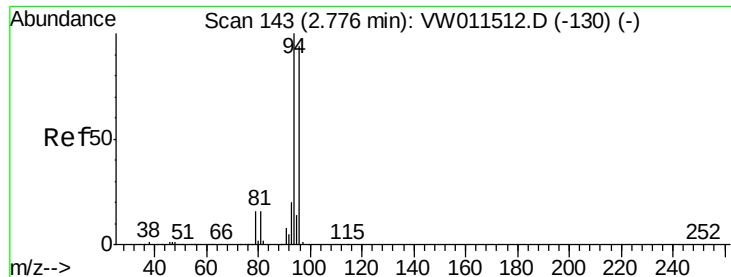
Tgt Ion: 62 Resp: 129427

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 47.971 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63460

Ion Ratio Lower Upper

94 100

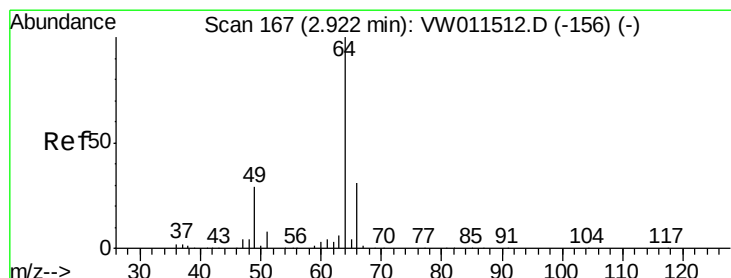
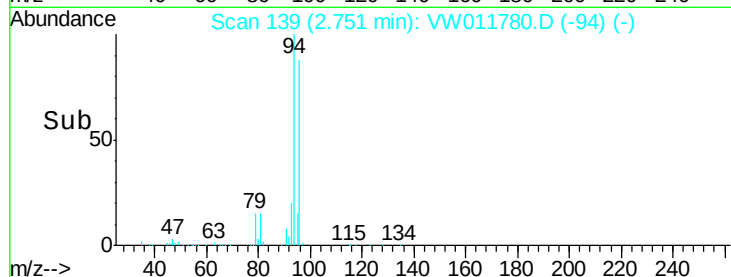
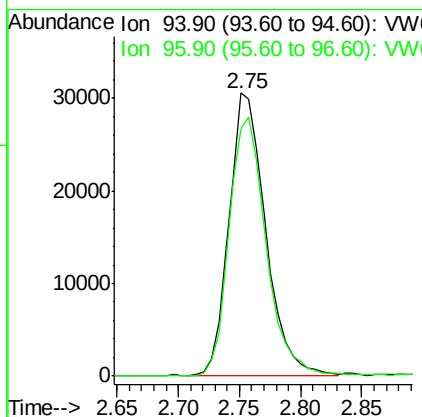
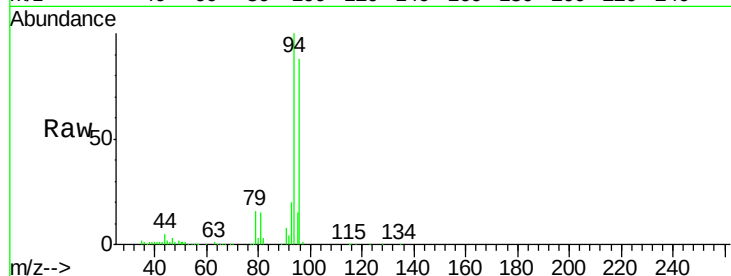
96 87.5 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 53.839 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011780.D

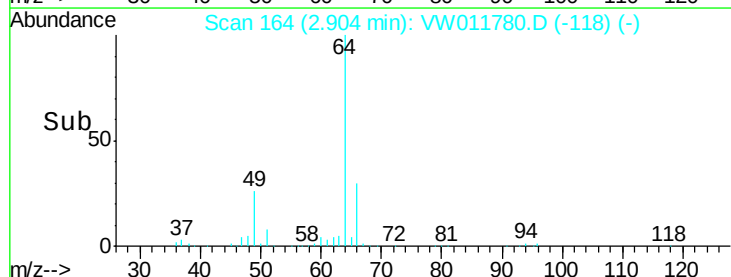
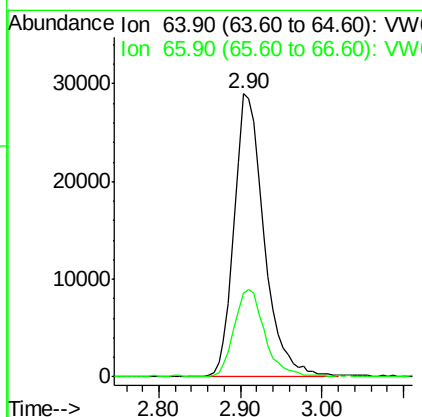
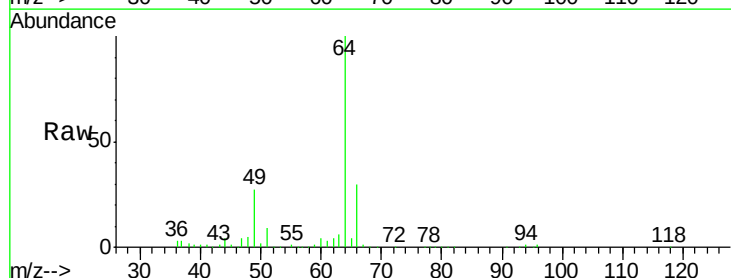
Acq: 08 Aug 2019 20:33

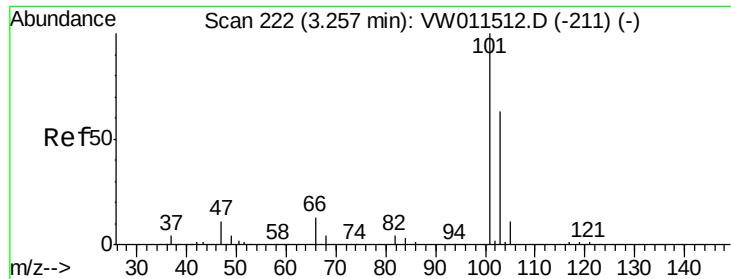
Tgt Ion: 64 Resp: 73500

Ion Ratio Lower Upper

64 100

66 29.6 24.6 36.8





#7

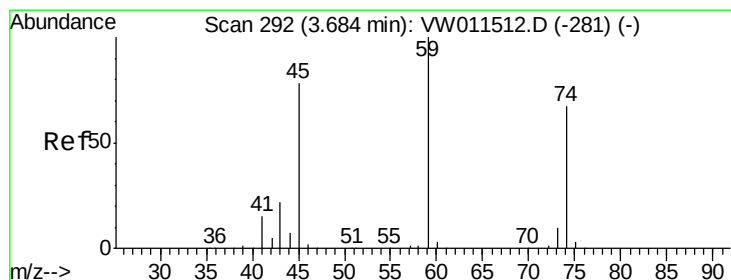
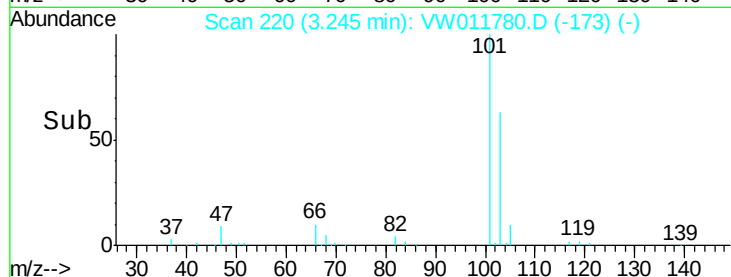
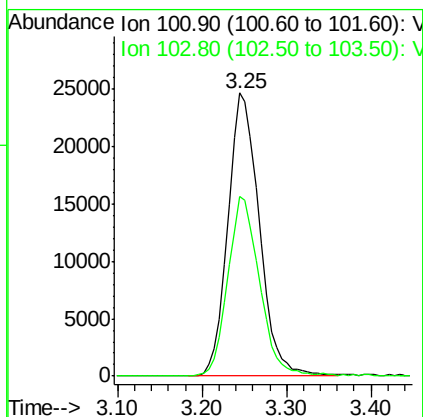
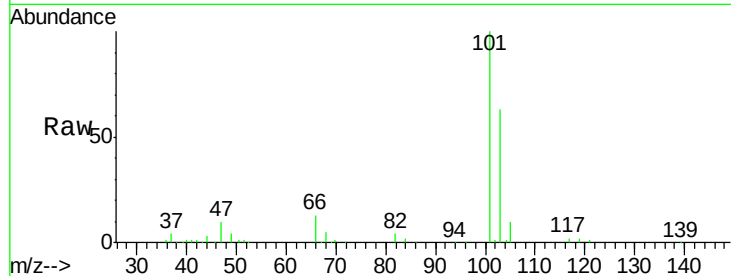
Trichlorofluoromethane
Concen: 58.650 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.2	75.4

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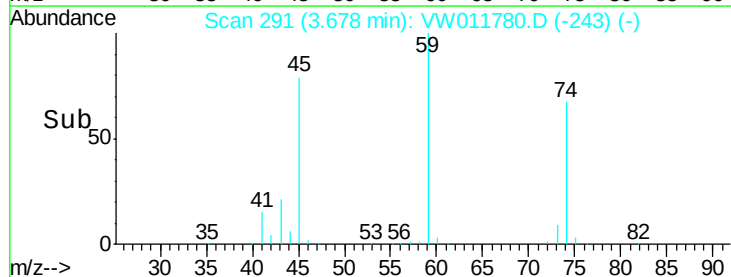
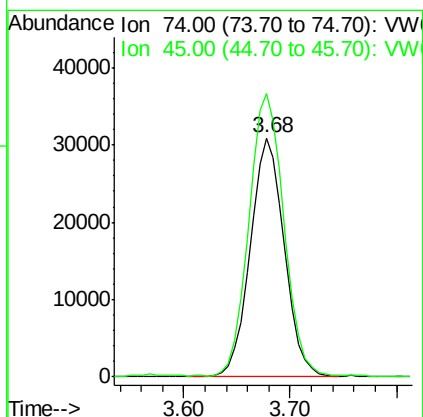
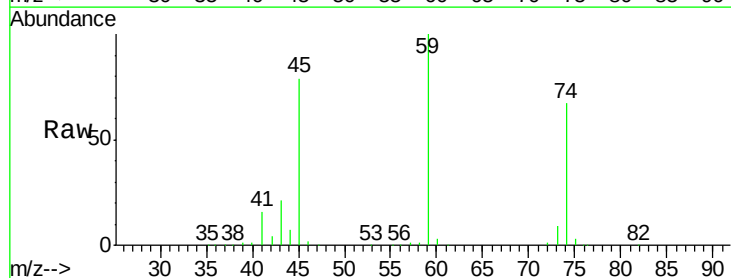
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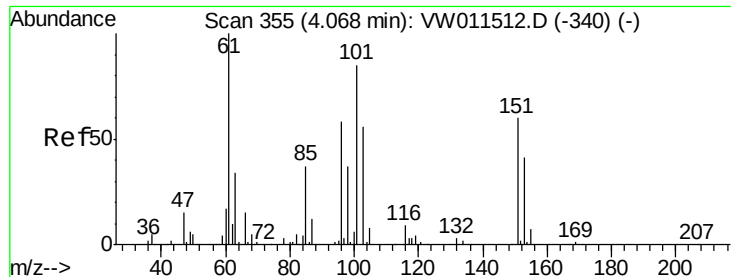


#8

Diethyl Ether
Concen: 57.107 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.3	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.976 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

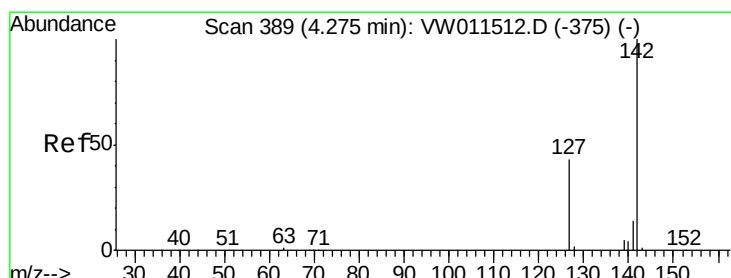
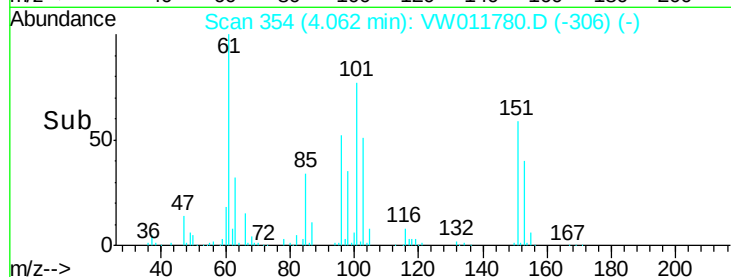
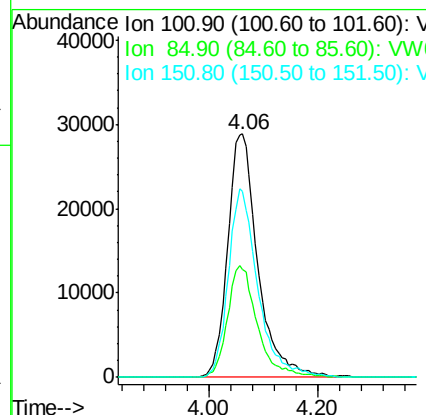
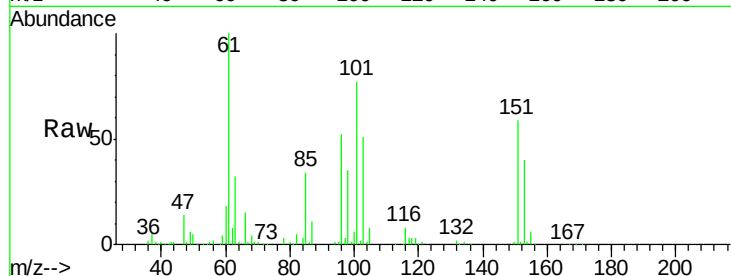
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	111391
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.6	54.8
151	76.2	60.2	90.2

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8/9/2019 10:55:11 AM



#10

Methyl Iodide

Concen: 56.303 ug/l

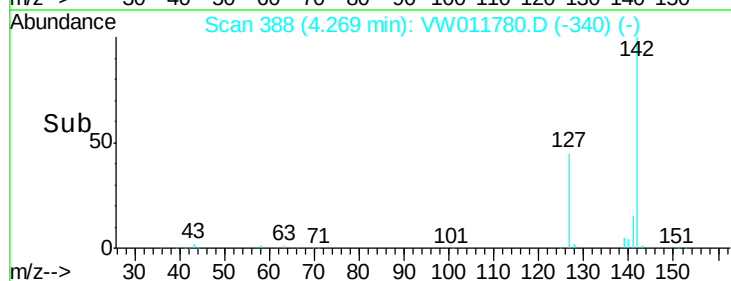
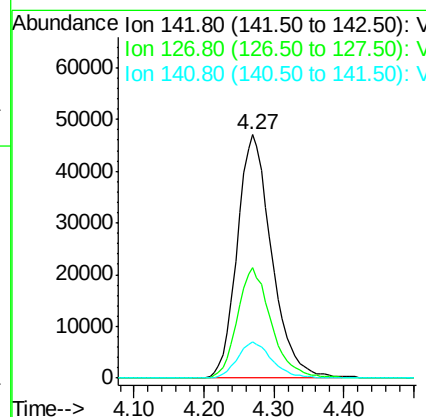
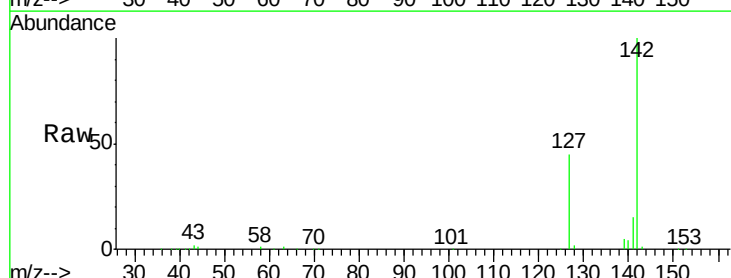
RT: 4.27 min Scan# 388

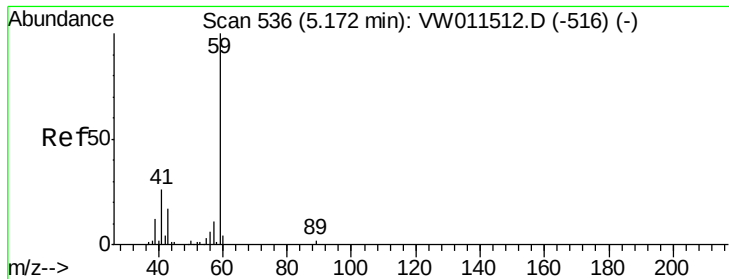
Delta R.T. -0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	142	Resp:	161215
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.0	52.6
141	15.0	11.9	17.9





#11

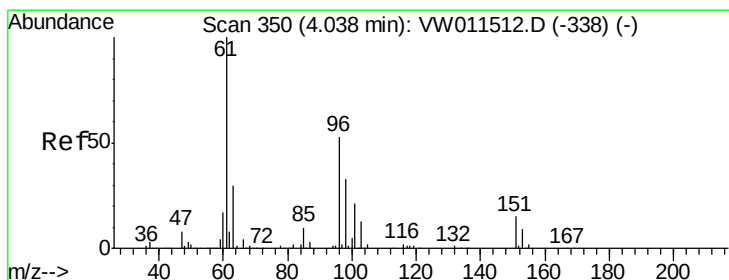
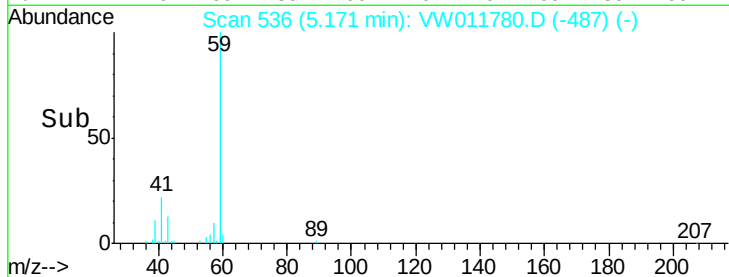
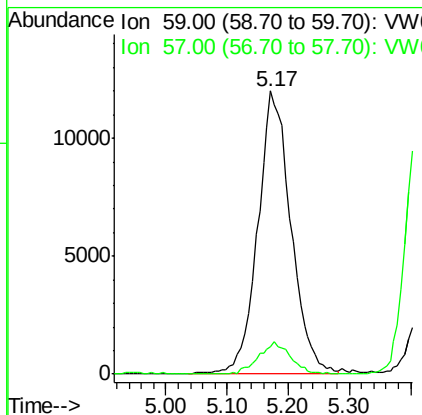
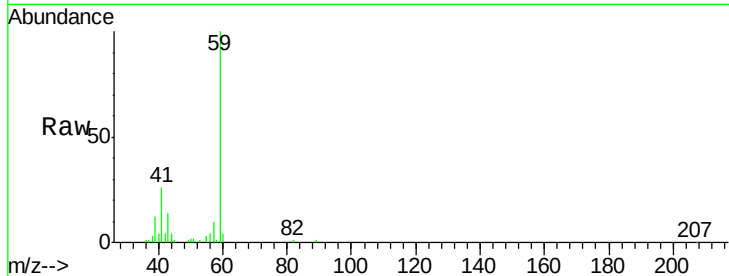
Tert butyl alcohol
Concen: 260.689 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
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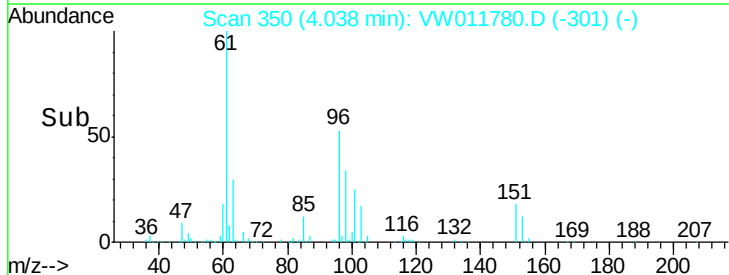
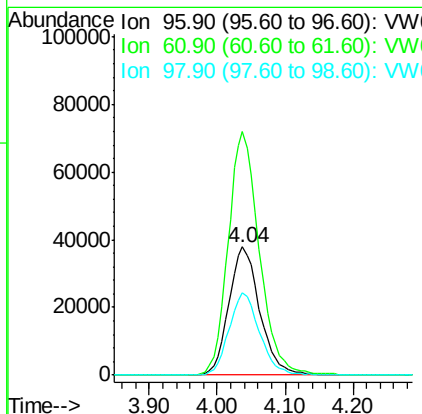
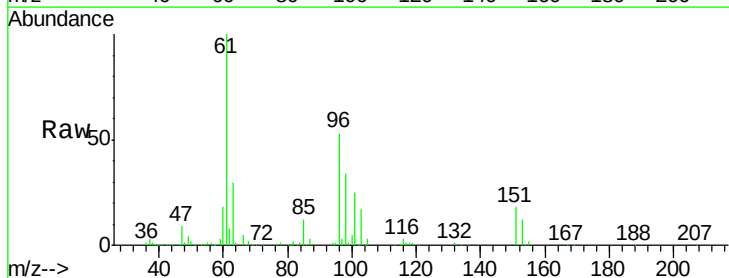
MMDadoda
8/9/2019 10:55:11 AM

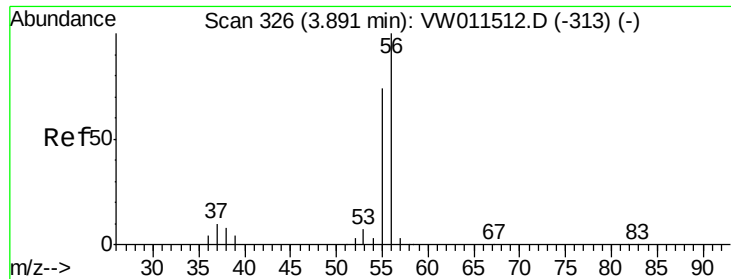


#12

1,1-Dichloroethene
Concen: 55.846 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.8	149.9	224.9
98	64.2	49.1	73.7





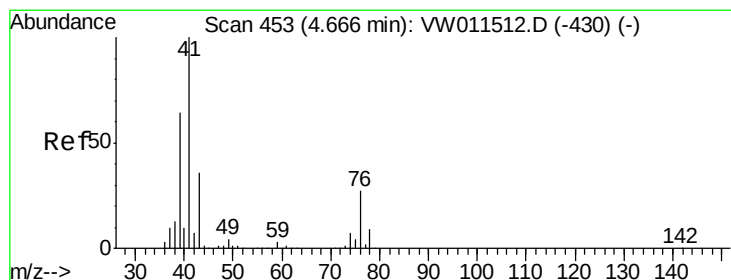
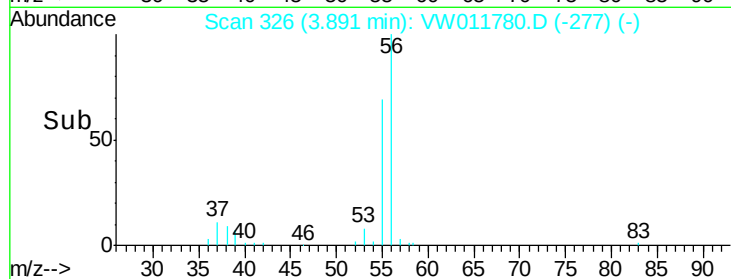
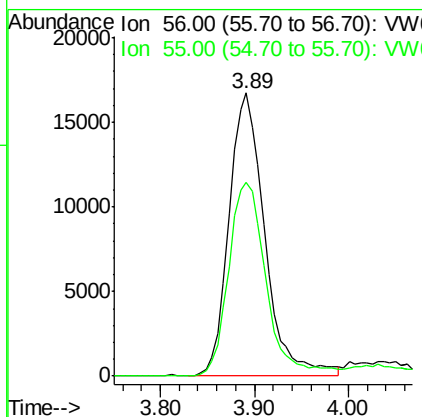
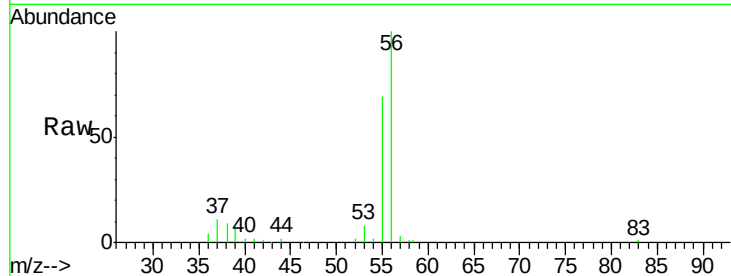
#13
Acrolein
Concen: 262.077 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.1	56.0	84.0

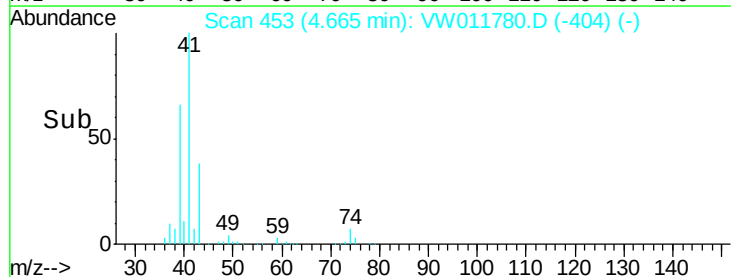
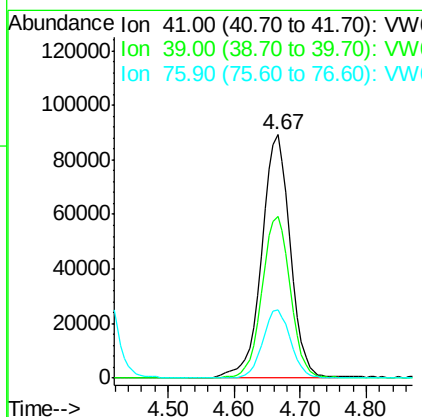
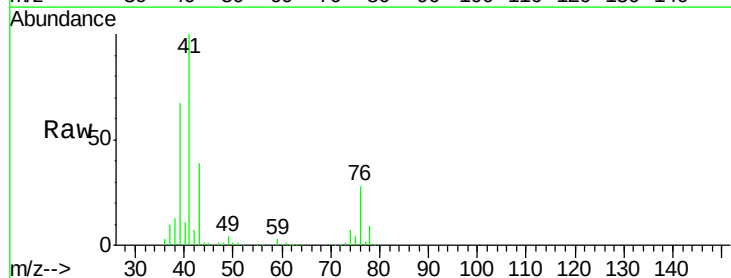
Manual Integrations
APPROVED

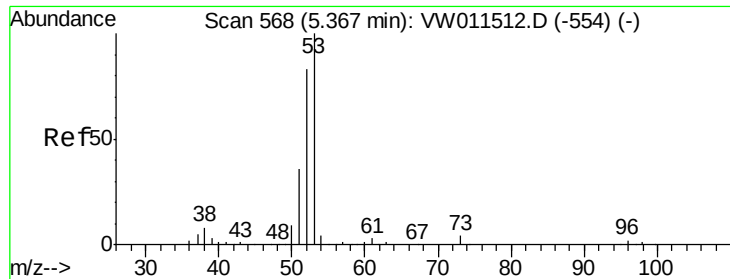
MMDadoda
8/9/2019 10:55:11 AM



#14
Allyl chloride
Concen: 58.685 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	66.3	52.6	78.8
76	76	27.5	22.0	33.0





#15

Acrylonitrile

Concen: 291.012 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

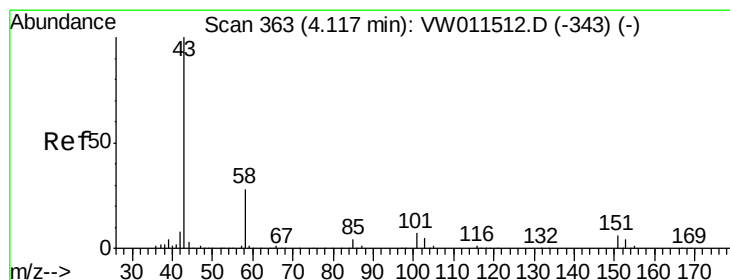
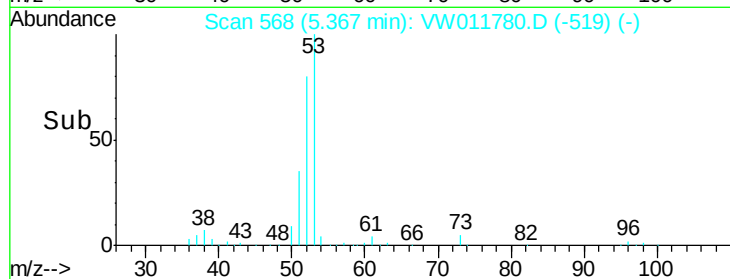
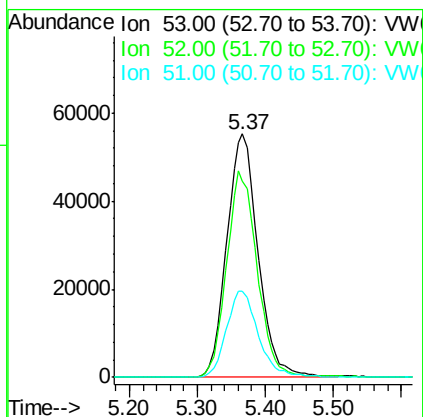
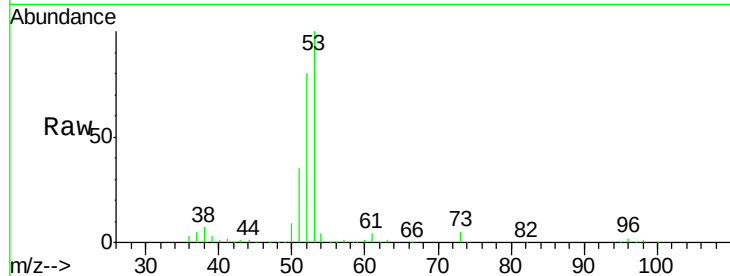
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	175927
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.2	100.8
51	36.6	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 233.928 ug/l

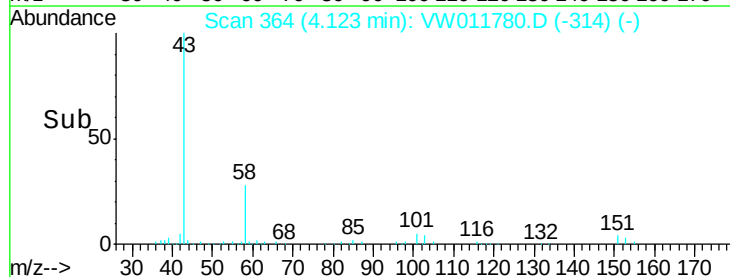
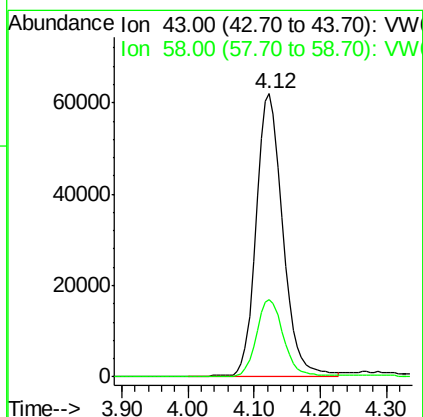
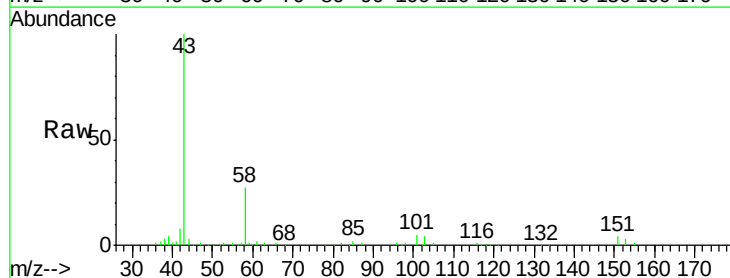
RT: 4.12 min Scan# 364

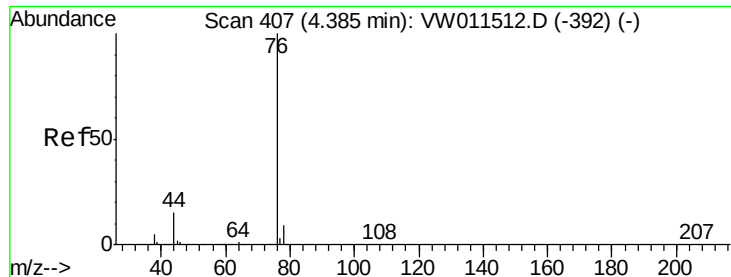
Delta R.T. 0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	43	Resp:	175520
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.3	33.5





#17

Carbon Disulfide

Concen: 53.663 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 359318

Ion Ratio Lower Upper

76 100

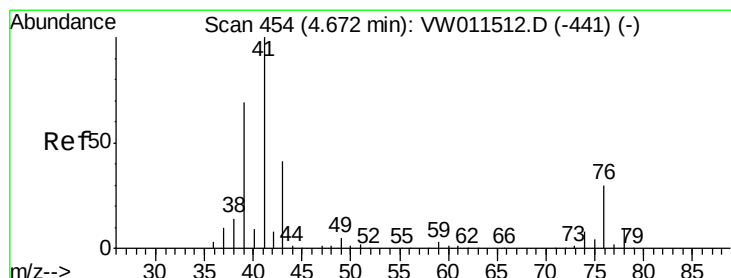
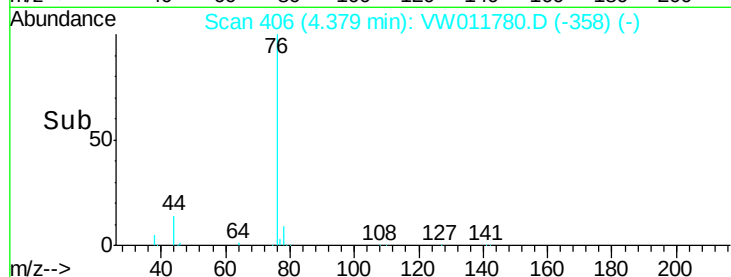
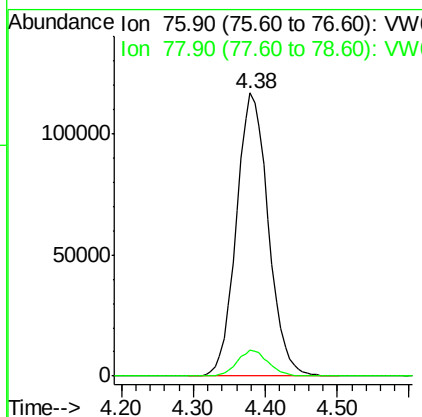
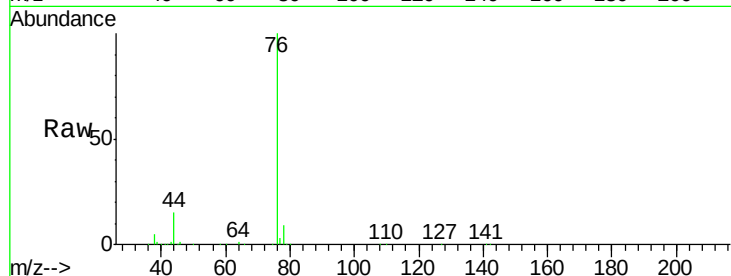
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 58.523 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011780.D

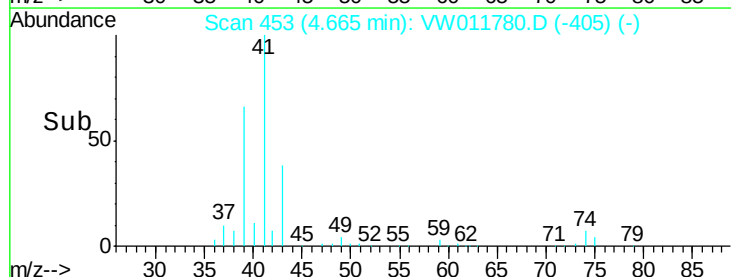
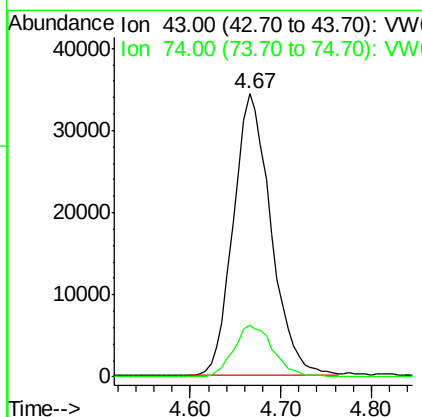
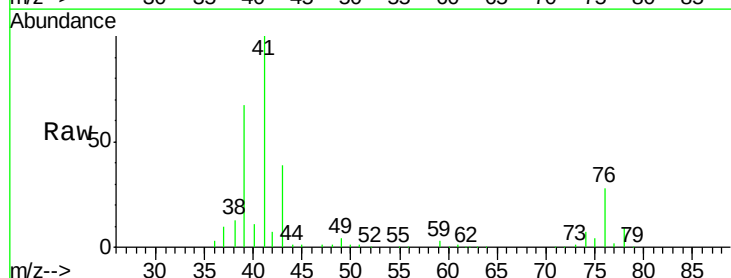
Acq: 08 Aug 2019 20:33

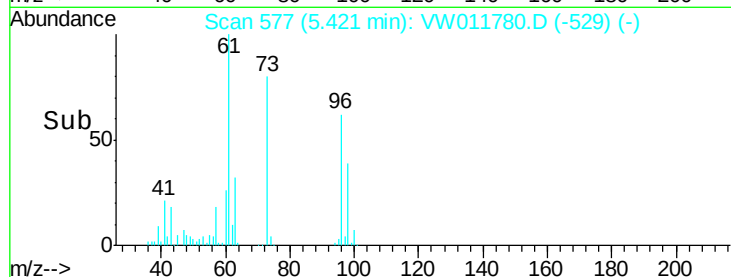
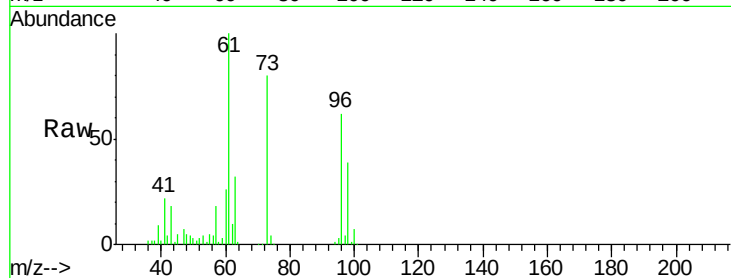
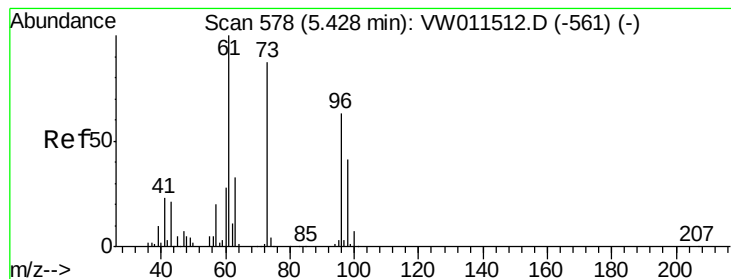
Tgt Ion: 43 Resp: 98645

Ion Ratio Lower Upper

43 100

74 19.1 15.9 23.9





#19

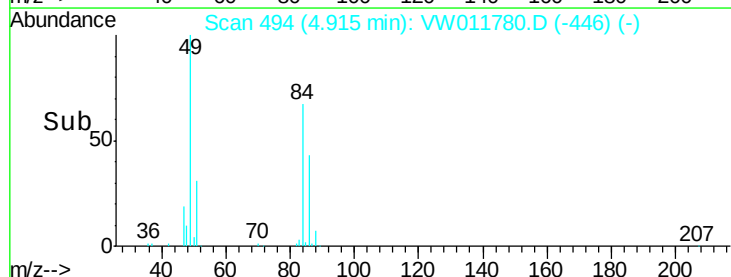
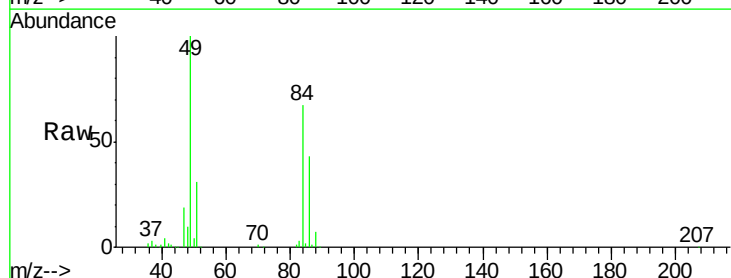
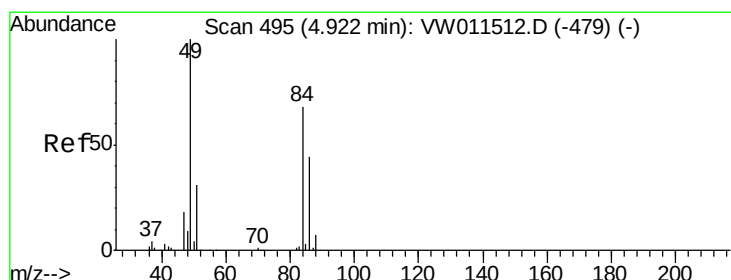
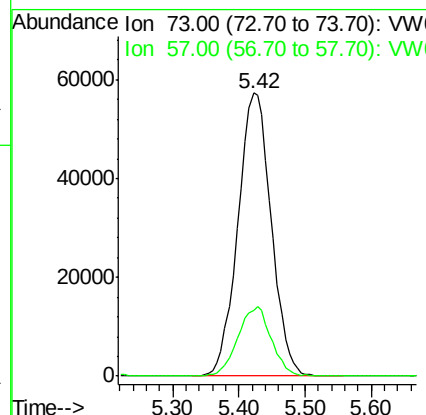
Methyl tert-butyl Ether
 Concen: 58.950 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.4	27.6

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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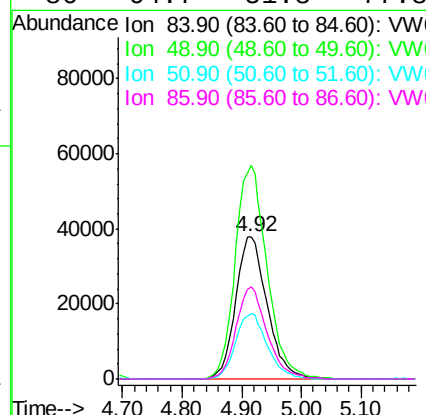
MMDadoda
 8/9/2019 10:55:11 AM

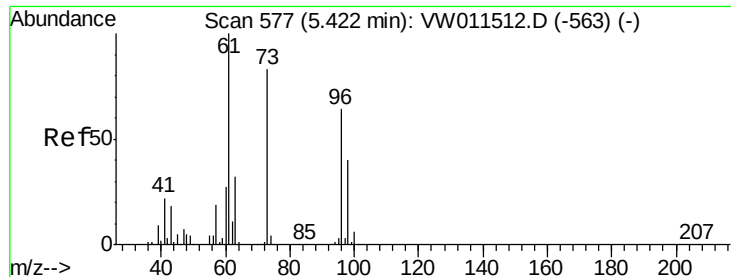


#20

Methylene Chloride
 Concen: 53.858 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.2	117.8	176.6
51	46.0	37.0	55.4
86	64.7	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 57.824 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

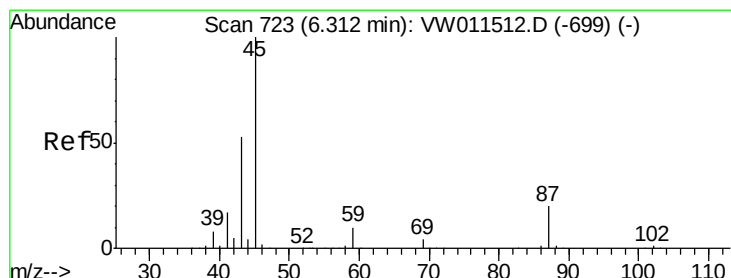
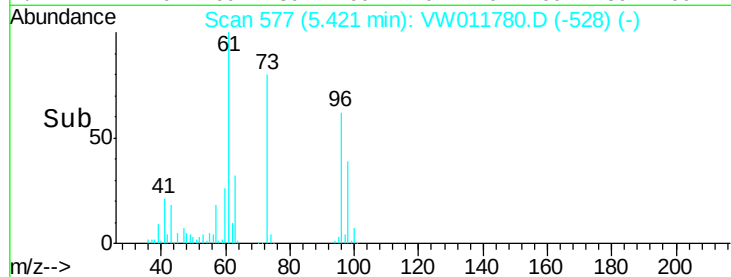
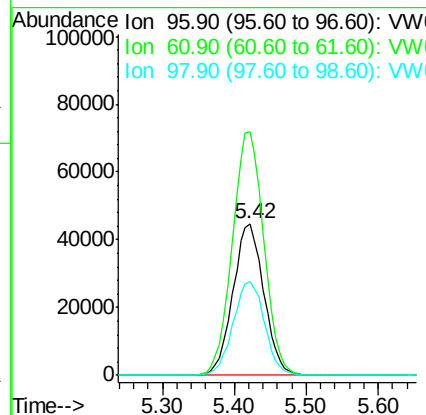
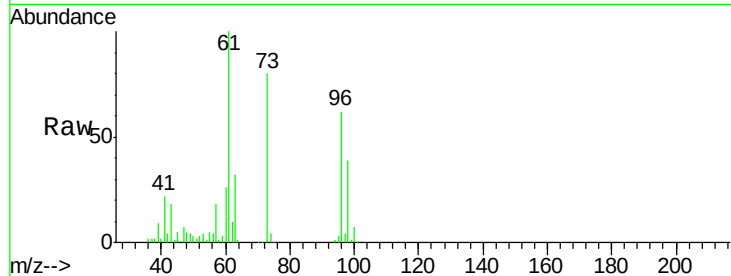
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	133368
Ion	Ratio	Lower	Upper
96	100		
61	160.5	125.7	188.5
98	62.0	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 59.280 ug/l

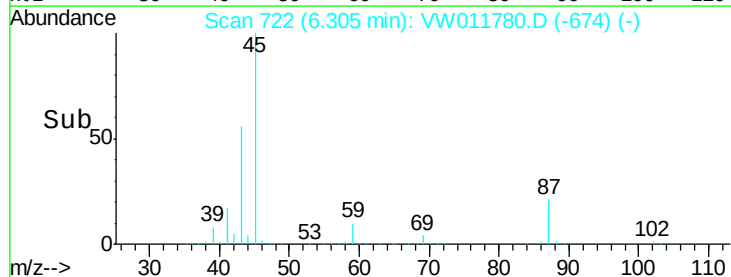
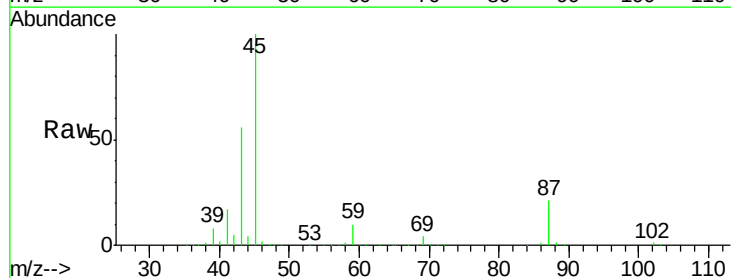
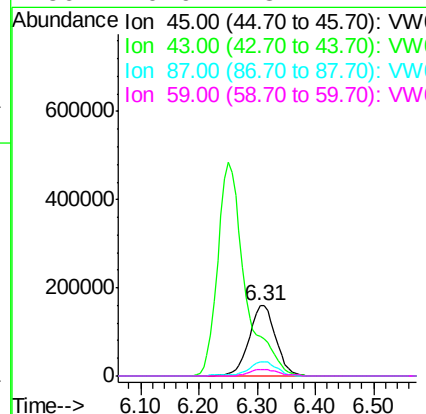
RT: 6.31 min Scan# 722

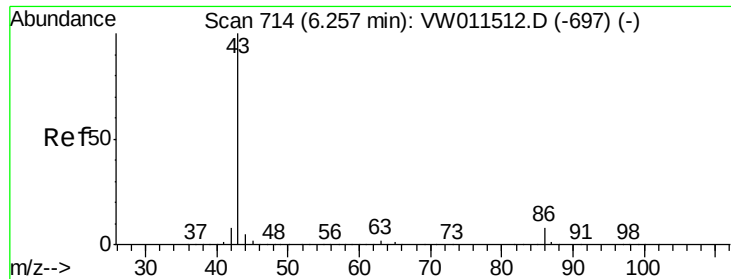
Delta R.T. -0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	45	Resp:	508546
Ion	Ratio	Lower	Upper
45	100		
43	55.5	42.6	63.8
87	21.0	16.4	24.6
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 293.302 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1581038

Ion Ratio Lower Upper

43 100

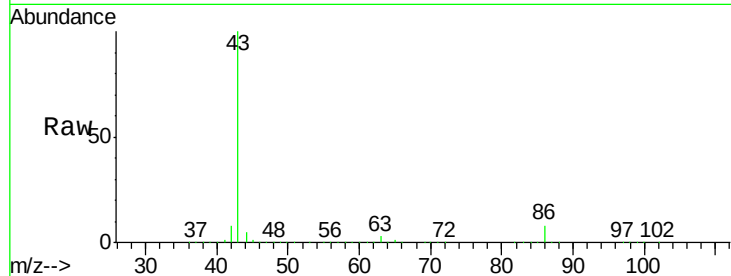
86 8.0 6.5 9.7

Manual Integrations

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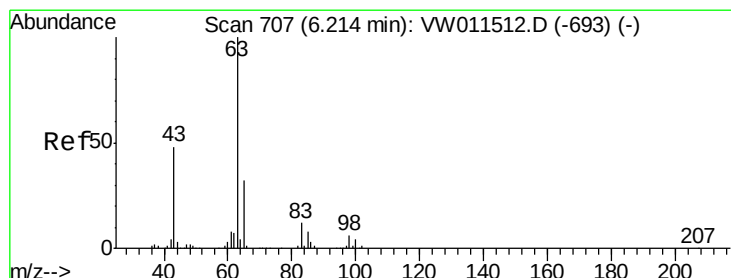
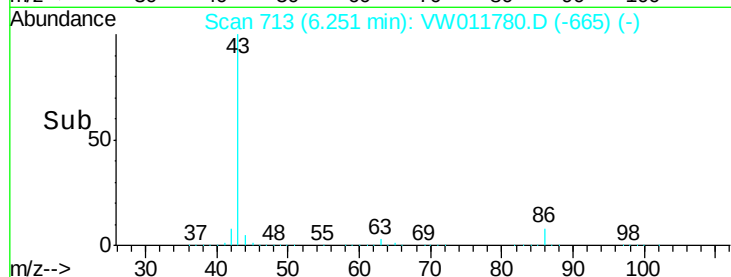
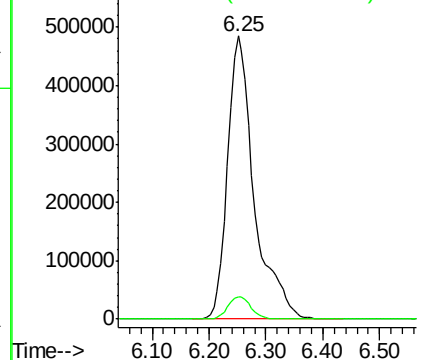
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 59.167 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

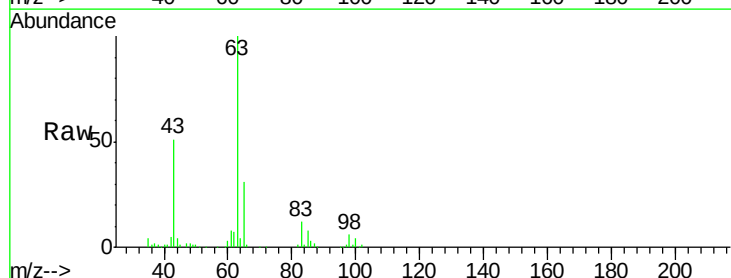
Tgt Ion: 63 Resp: 271842

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

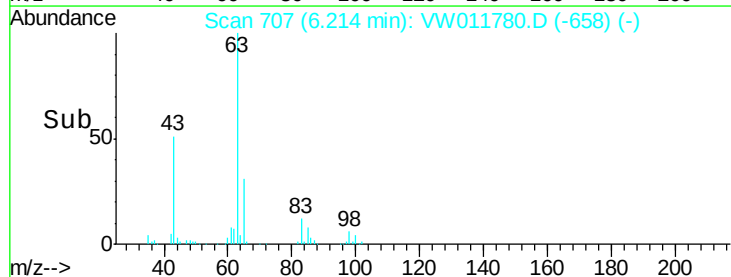
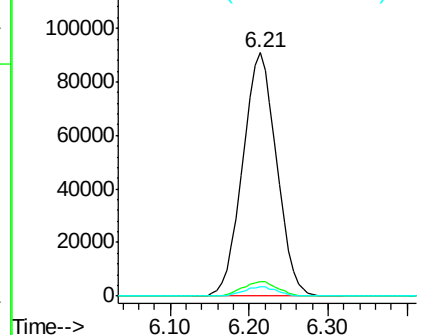
100 4.1 2.1 6.3

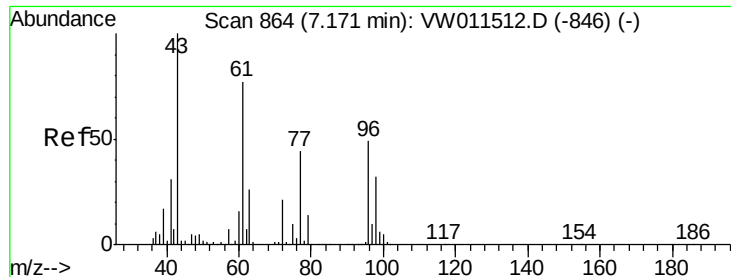


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





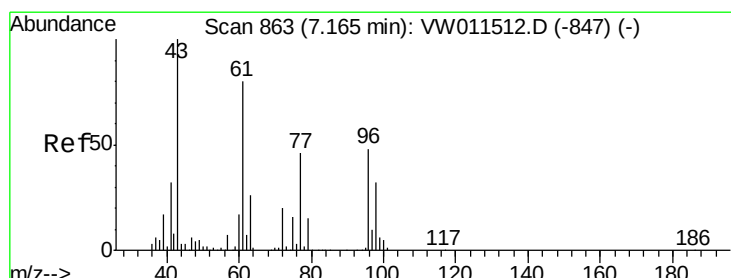
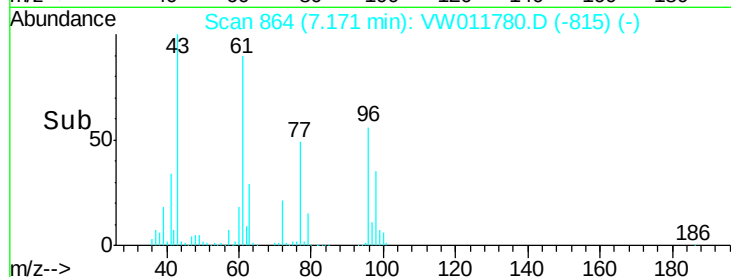
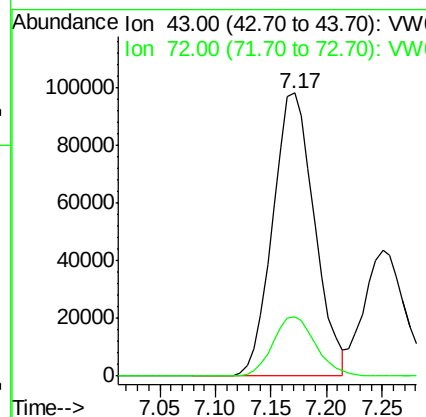
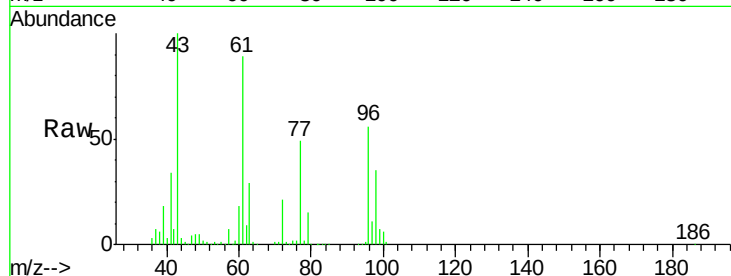
#25
2-Butanone
Concen: 260.540 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 255801
Ion Ratio Lower Upper
43 100
72 21.0 16.6 24.8

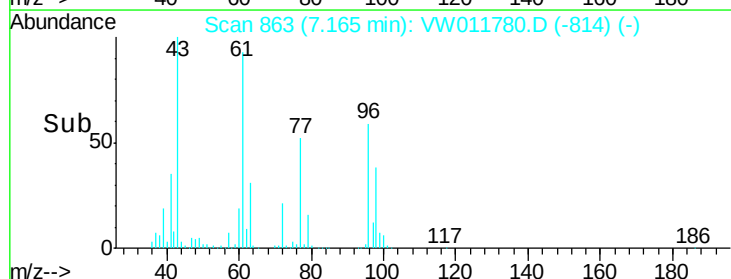
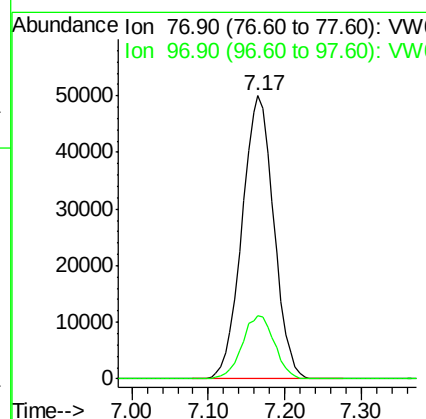
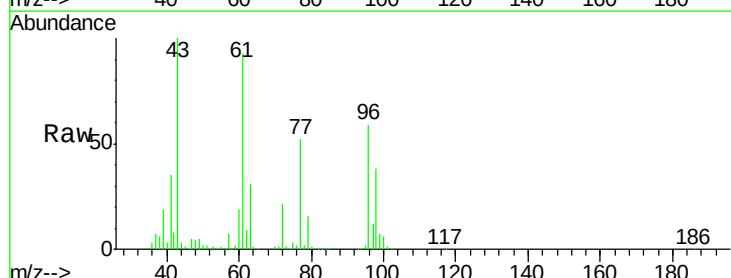
Manual Integrations
APPROVED

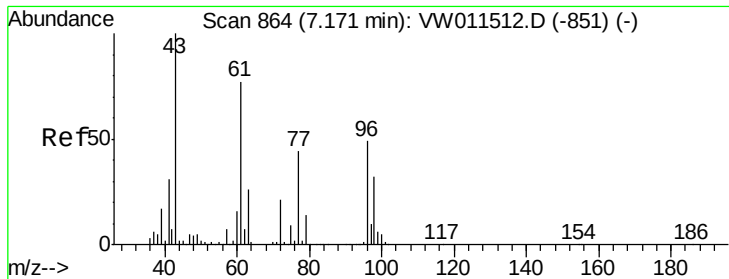
MMDadoda
8/9/2019 10:55:11 AM



#26
2,2-Dichloropropane
Concen: 50.889 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion: 77 Resp: 143789
Ion Ratio Lower Upper
77 100
97 22.6 10.8 32.4





#27

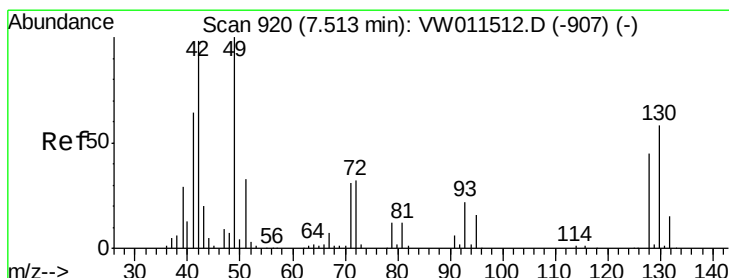
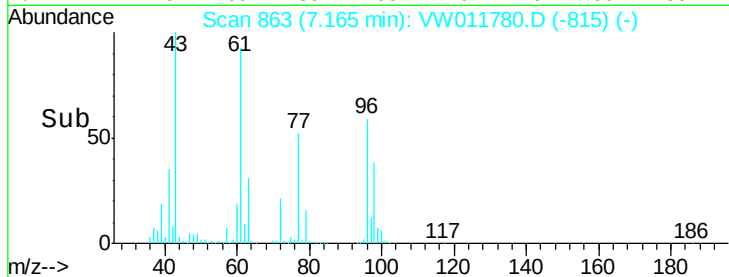
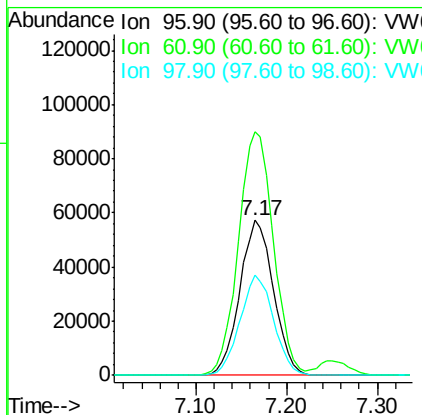
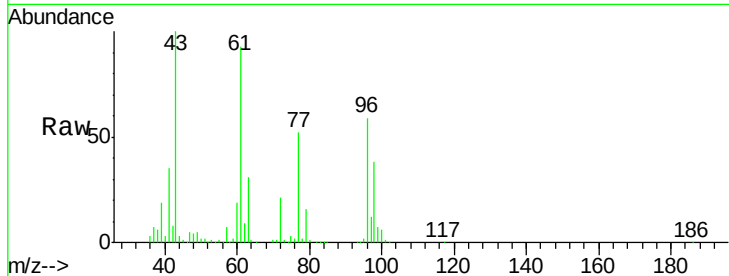
cis-1,2-Dichloroethene
Concen: 58.255 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147877		
61	162.3	0.0	328.4	
98	64.1	0.0	128.8	

Manual Integrations
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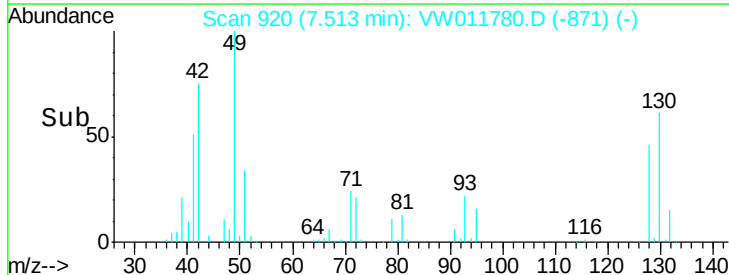
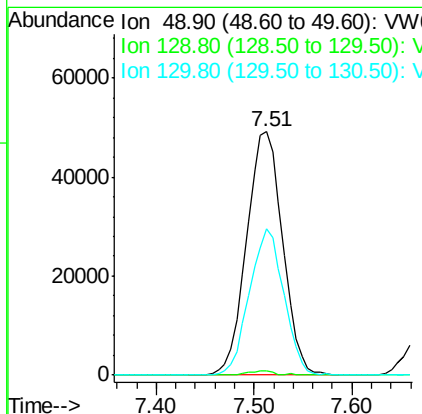
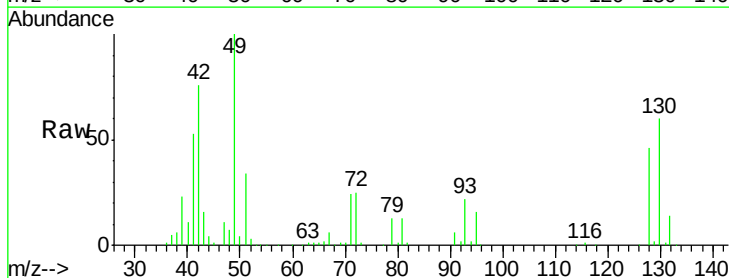
MMDadoda
8/9/2019 10:55:11 AM

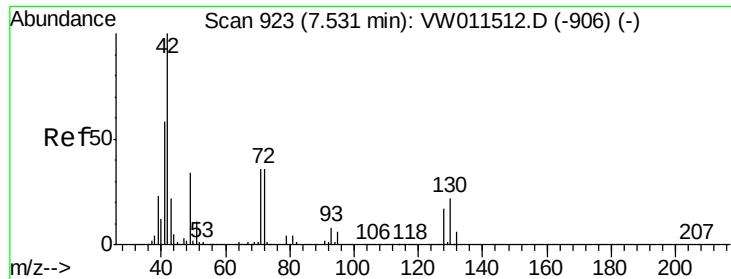


#28

Bromochloromethane
Concen: 61.562 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125544		
129	1.2	0.0	1.0#	
130	57.6	46.3	69.5	





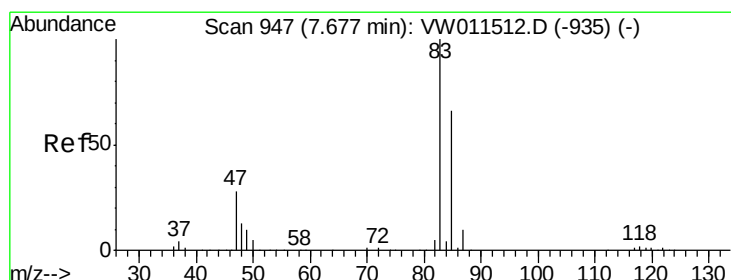
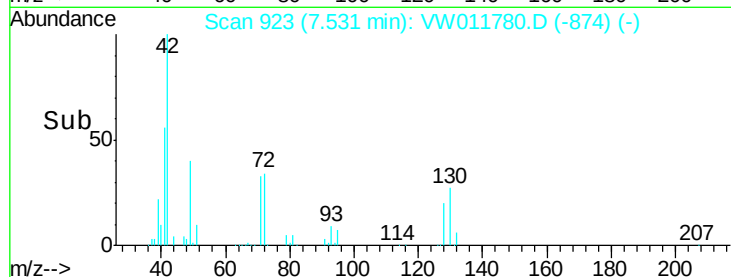
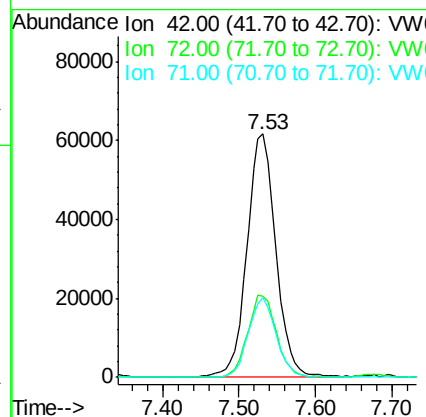
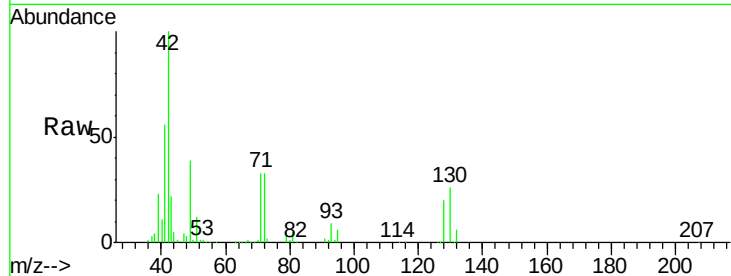
#29
Tetrahydrofuran
Concen: 287.662 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.1	40.7
71	31.5	26.2	39.4

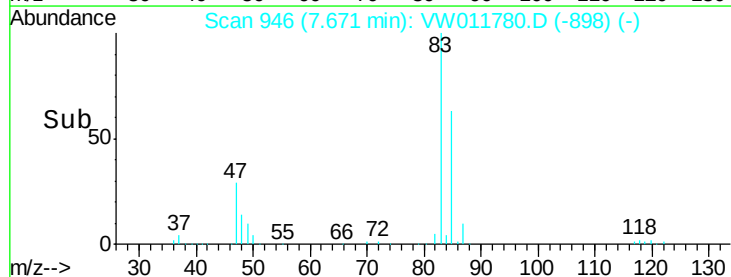
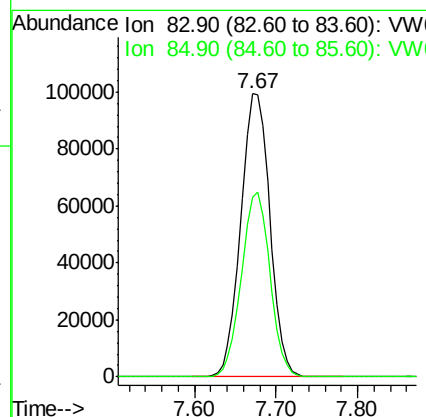
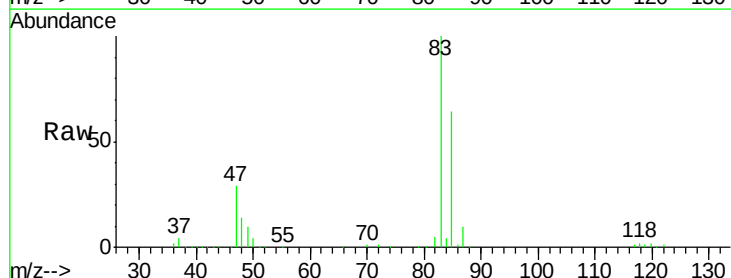
Manual Integrations
APPROVED

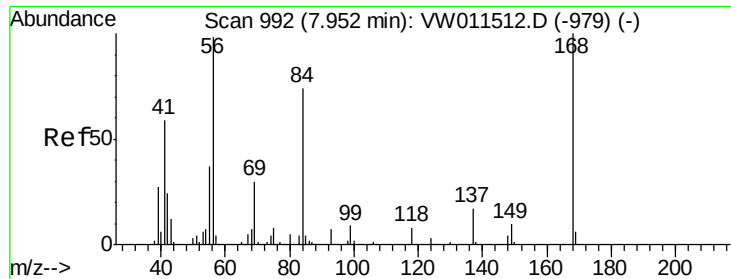
MMDadoda
8/9/2019 10:55:11 AM



#30
Chloroform
Concen: 58.130 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7





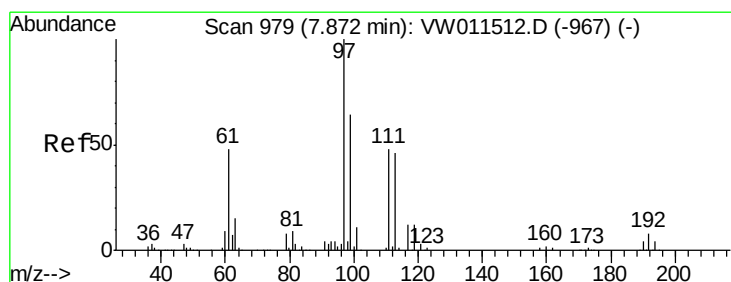
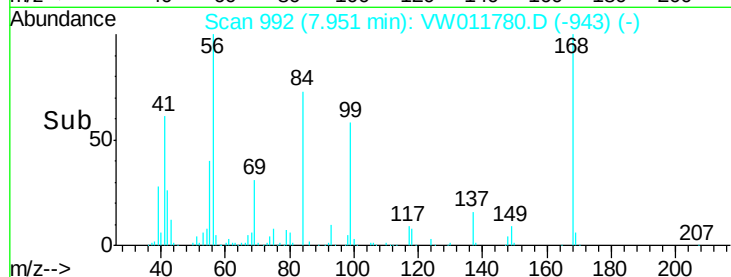
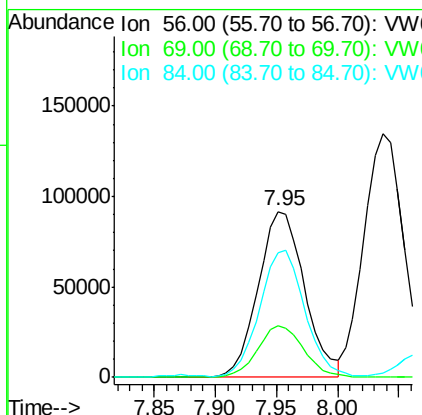
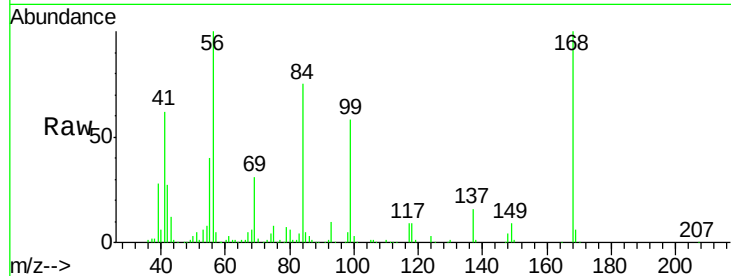
#31
Cyclohexane
Concen: 54.965 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.3	36.5
84	73.7	60.4	90.6

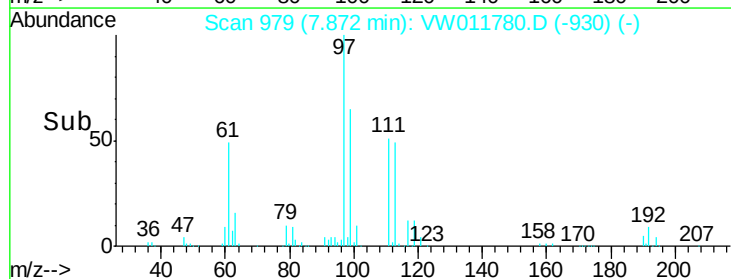
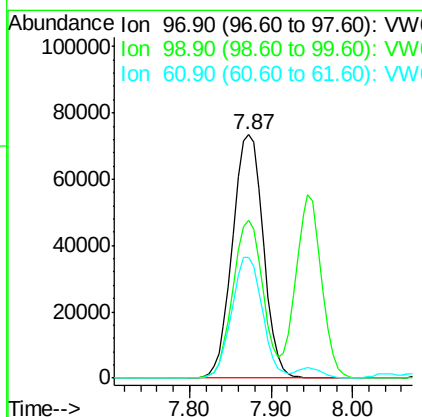
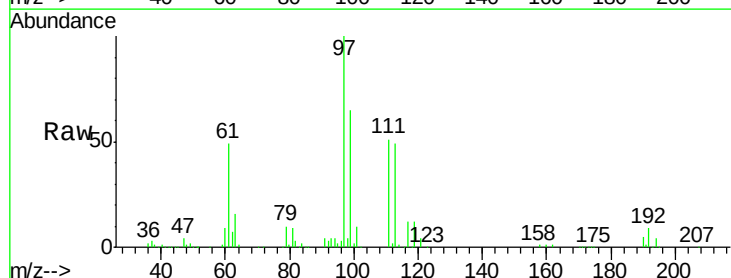
Manual Integrations
APPROVED

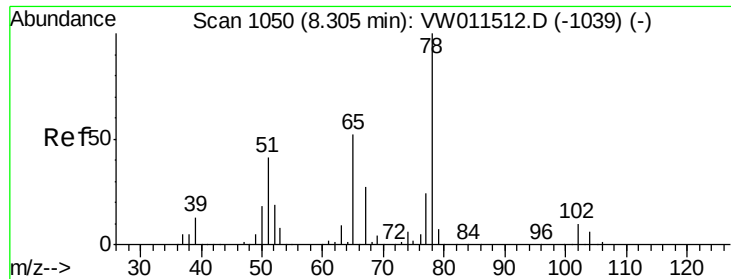
MMDadoda
8/9/2019 10:55:11 AM



#32
1,1,1-Trichloroethane
Concen: 59.323 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	49.3	39.8	59.6





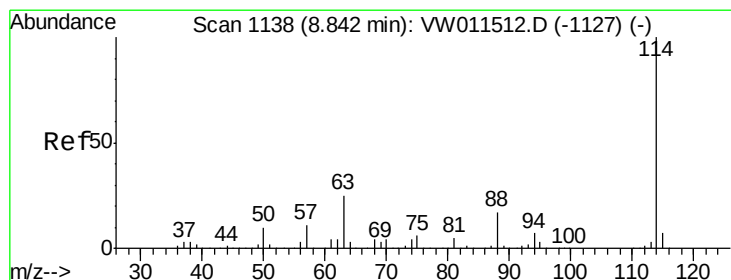
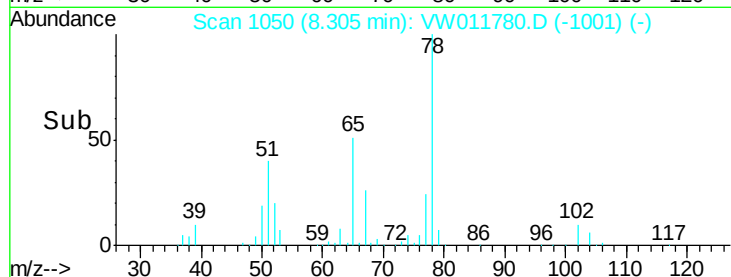
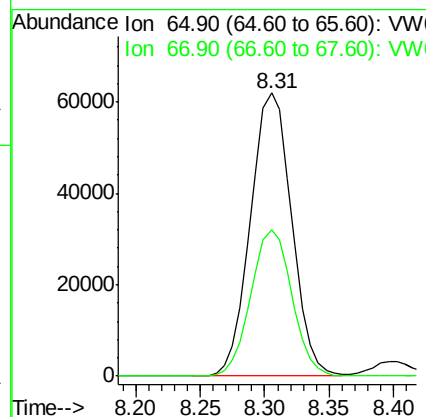
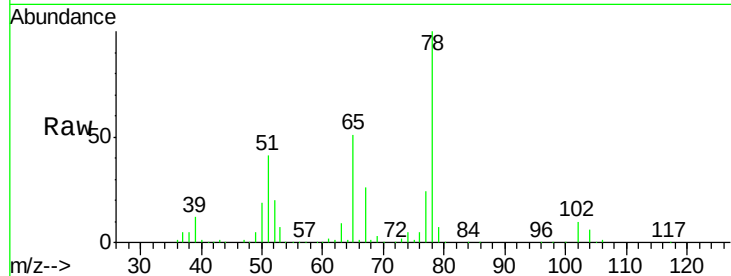
#33
 1,2-Dichloroethane-d4
 Concen: 58.090 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137021		
67	51.5	0.0	105.2	

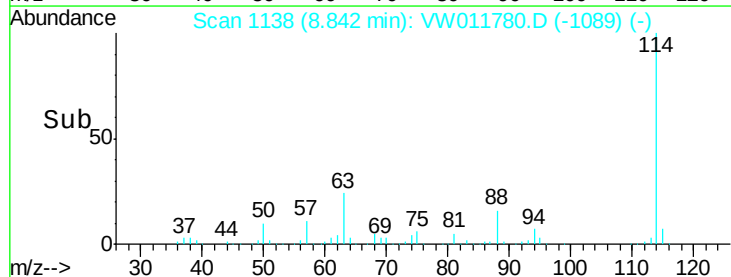
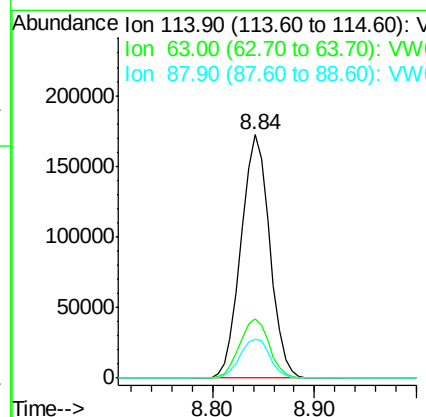
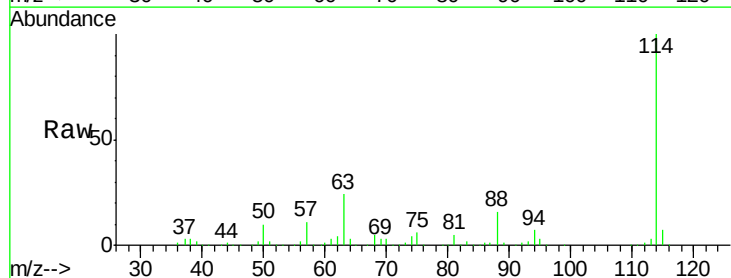
Manual Integrations
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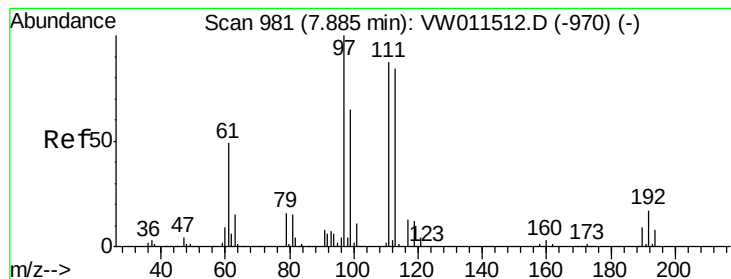
MMDadoda
 8/9/2019 10:55:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	335319		
63	24.3	0.0	49.2	
88	16.1	0.0	33.8	





#35

Dibromofluoromethane

Concen: 58.975 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

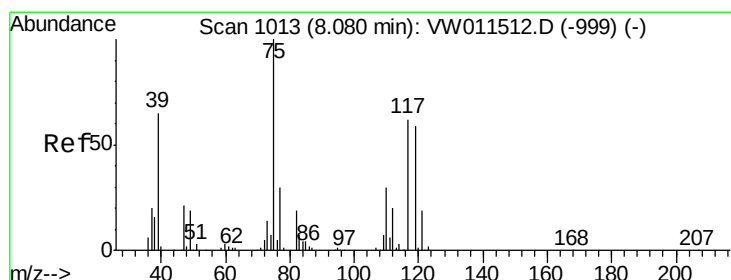
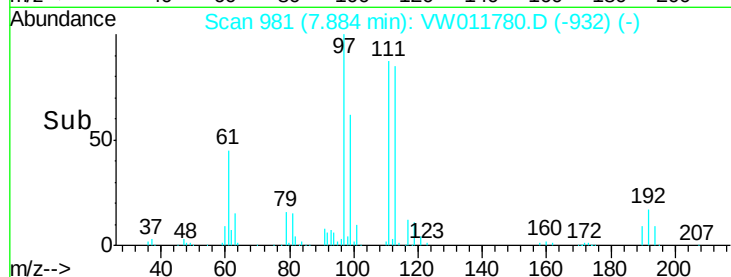
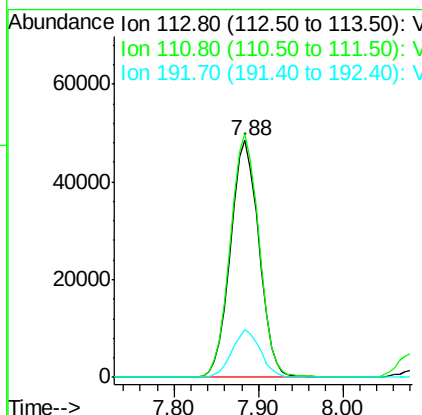
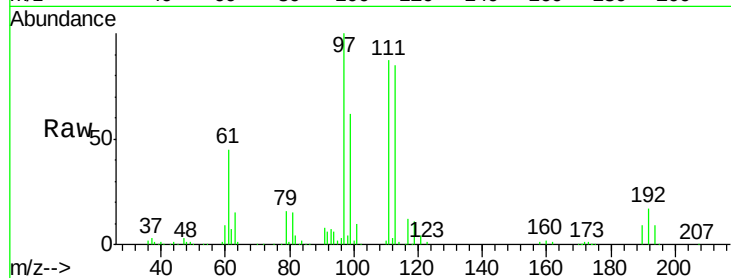
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	110943
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	20.1	16.1	24.1

Manual Integrations
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8/9/2019 10:55:11 AM



#36

1,1-Dichloropropene

Concen: 57.694 ug/l

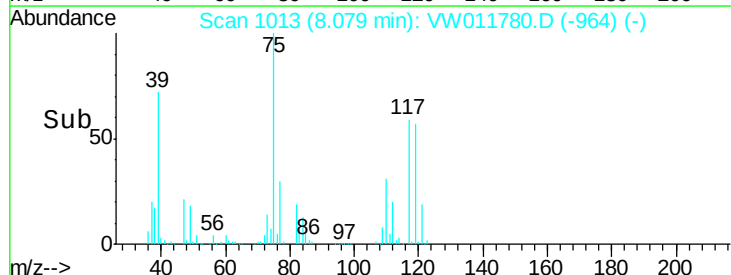
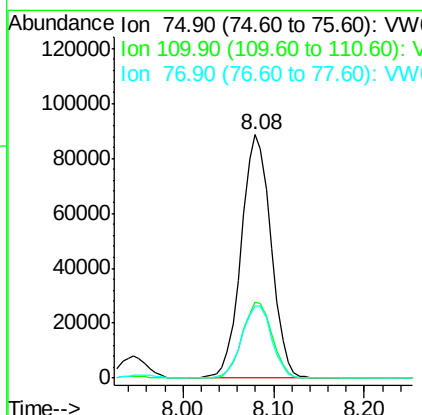
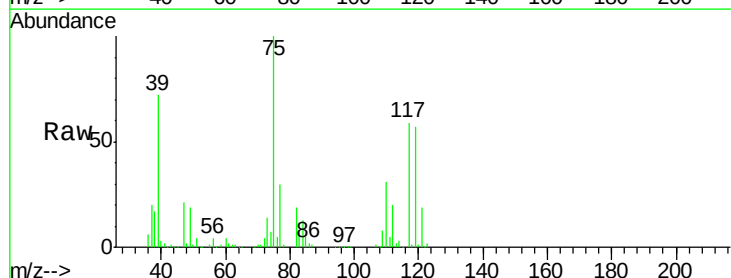
RT: 8.08 min Scan# 1013

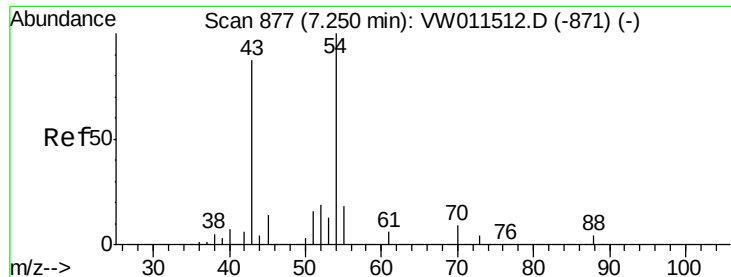
Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	75	Resp:	201163
Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.6	46.8
77	30.4	24.3	36.5





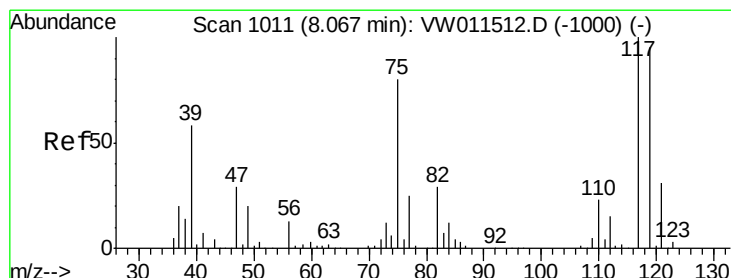
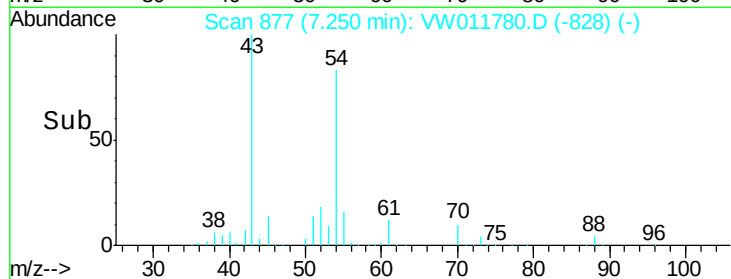
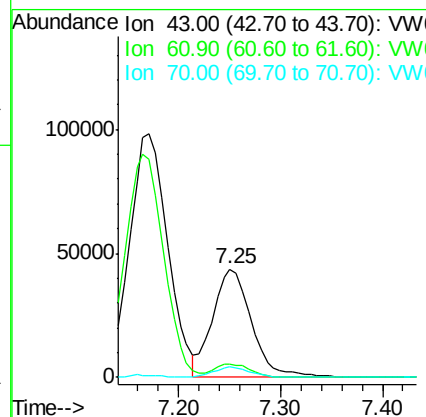
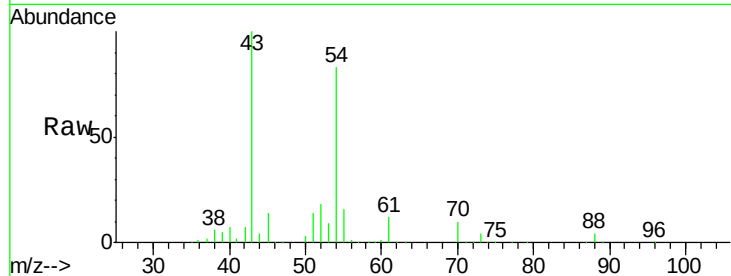
#37
Ethyl Acetate
Concen: 56.928 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	114197
Ion Ratio	Lower	Upper	
43	100		
61	12.0	8.8	13.2
70	8.8	7.1	10.7

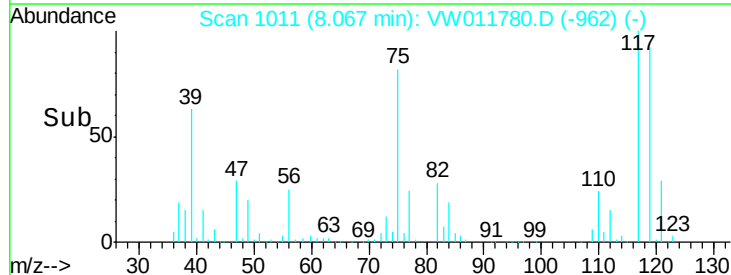
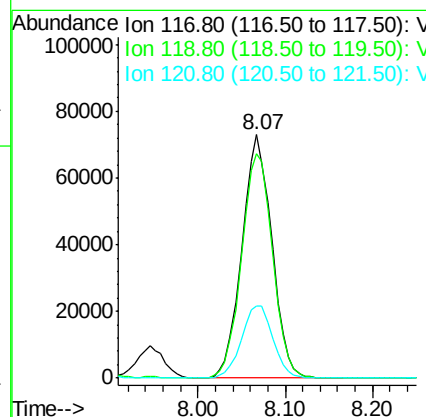
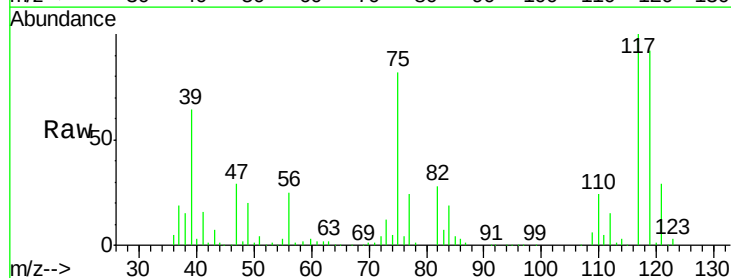
Manual Integrations
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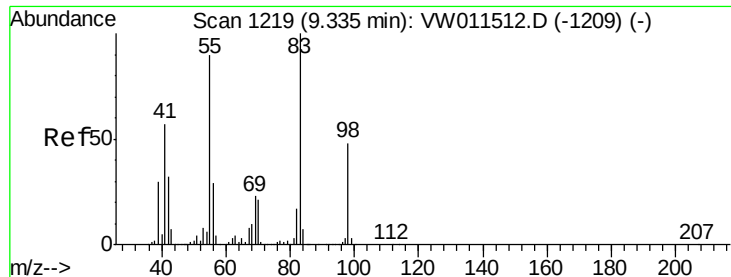
MMDadoda
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#38
Carbon Tetrachloride
Concen: 58.110 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion:	117	Resp:	173451
Ion Ratio	Lower	Upper	
117	100		
119	92.3	75.8	113.6
121	29.4	24.7	37.1





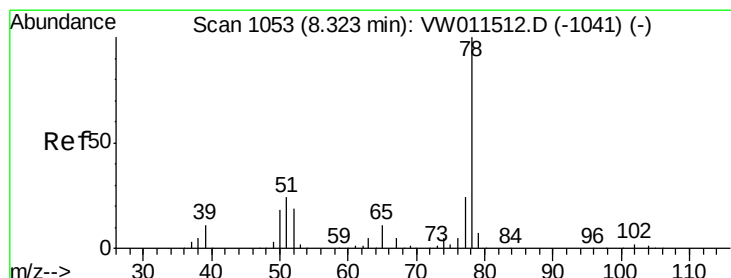
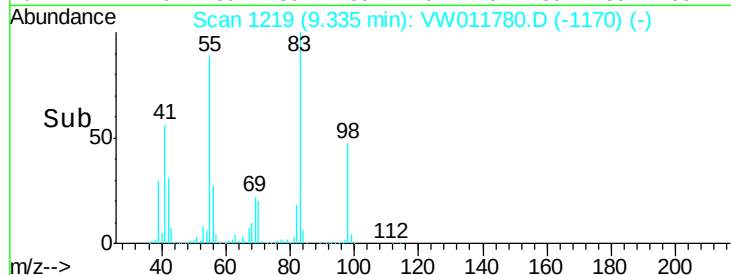
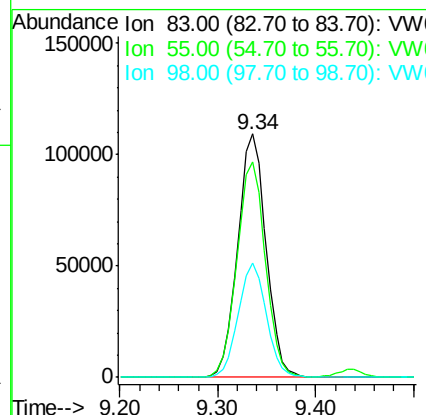
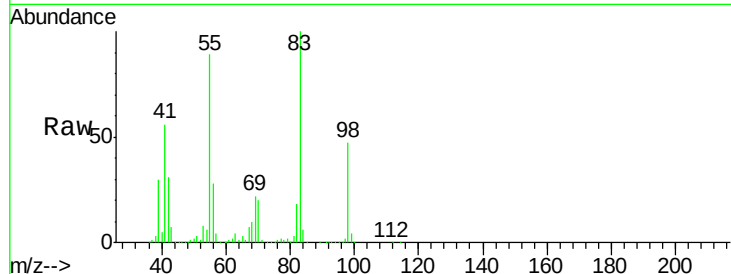
#39
Methylvlcyclohexane
Concen: 57.368 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	72.1	108.1
98	46.8	38.6	57.8

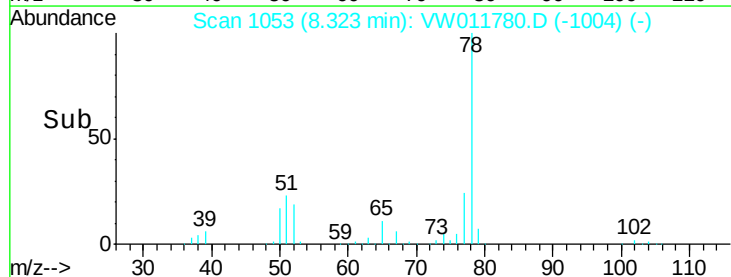
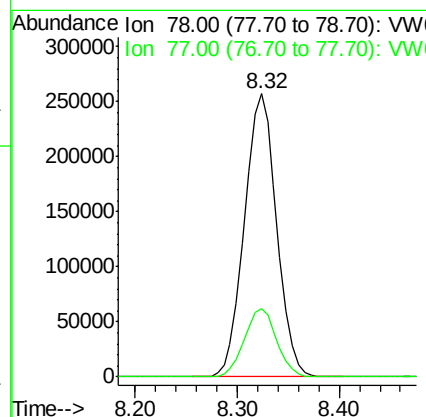
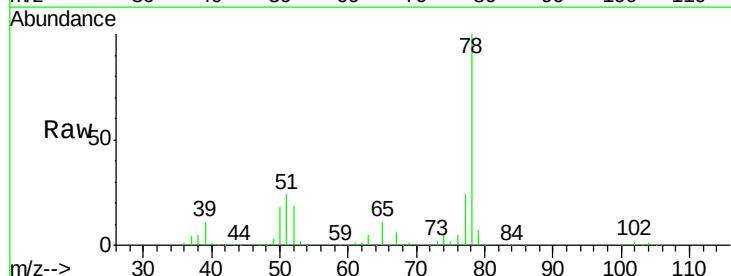
Manual Integrations
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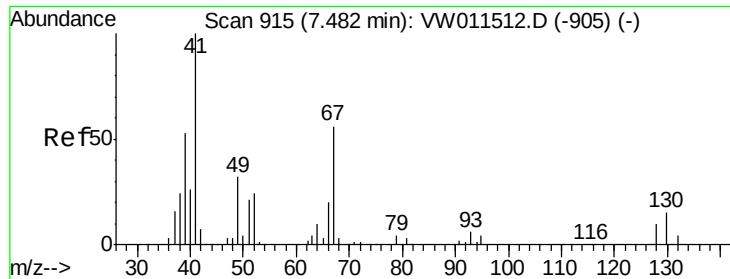
MMDadoda
8/9/2019 10:55:11 AM



#40
Benzene
Concen: 57.683 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





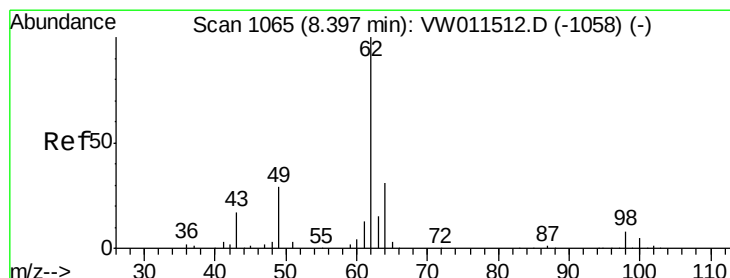
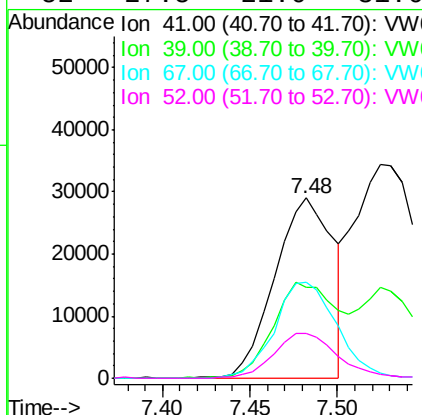
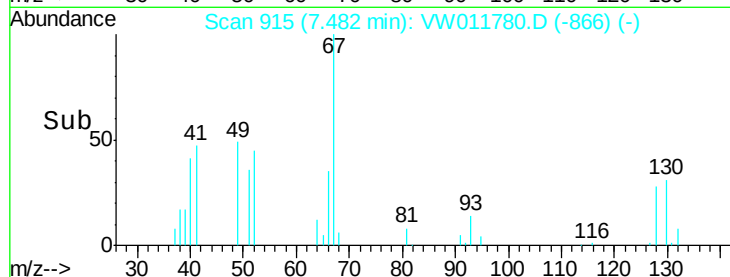
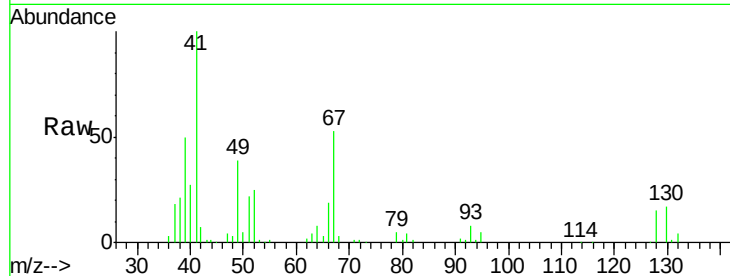
#41
Methacrylonitrile
Concen: 56.591 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.3	43.0	64.4
67	57.2	47.5	71.3
52	27.5	21.0	31.6

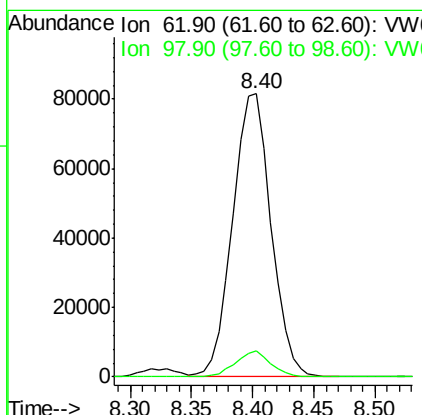
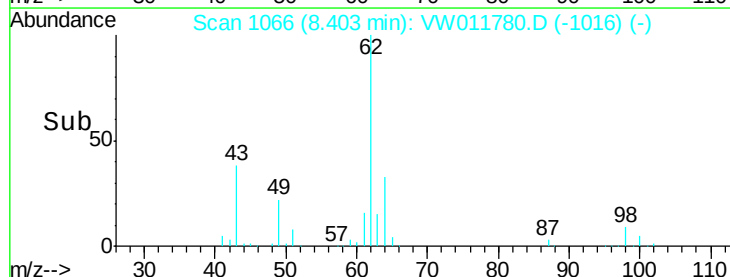
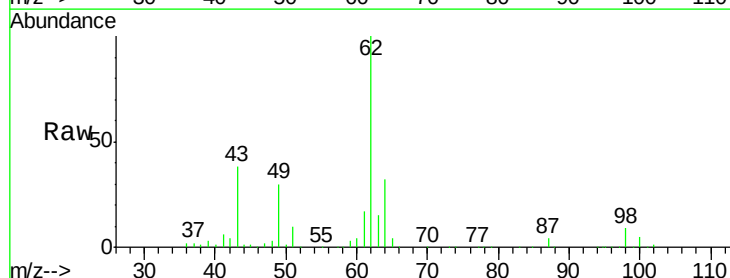
Manual Integrations
APPROVED

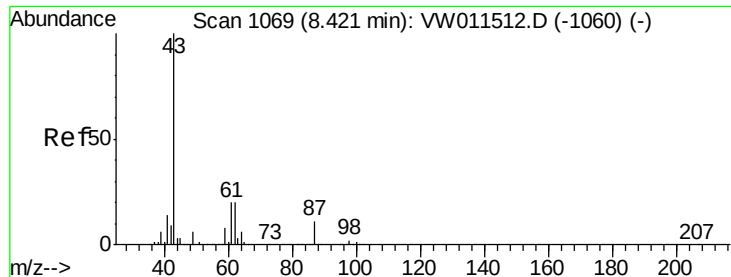
MMDadoda
8/9/2019 10:55:11 AM



#42
1,2-Dichloroethane
Concen: 57.904 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 58.425 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

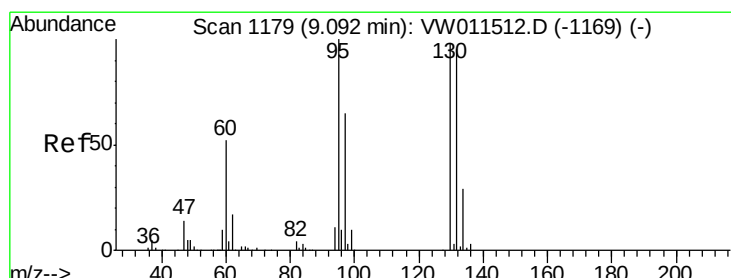
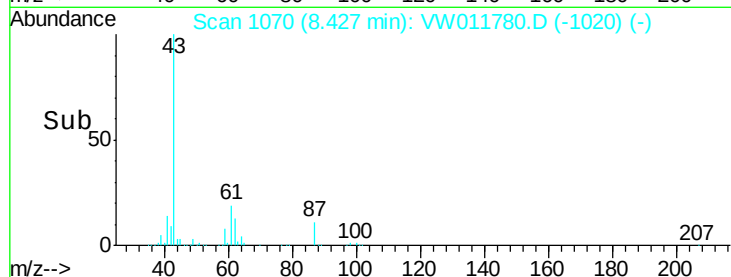
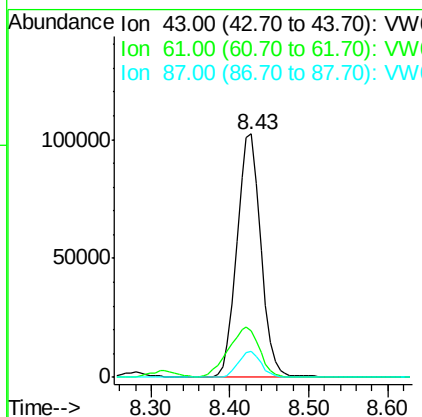
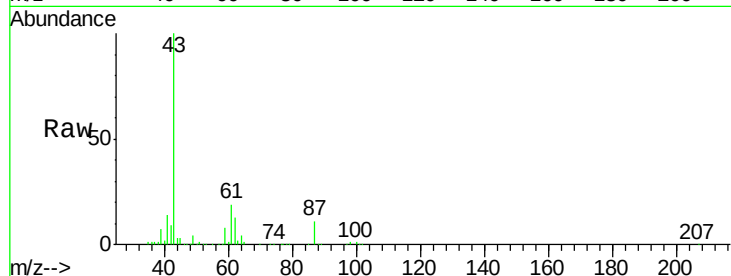
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	215539
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.5	32.3
87	10.3	8.4	12.6

Manual Integrations
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#44

Trichloroethene

Concen: 57.788 ug/l

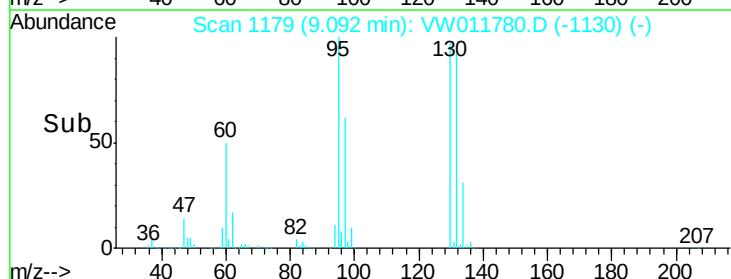
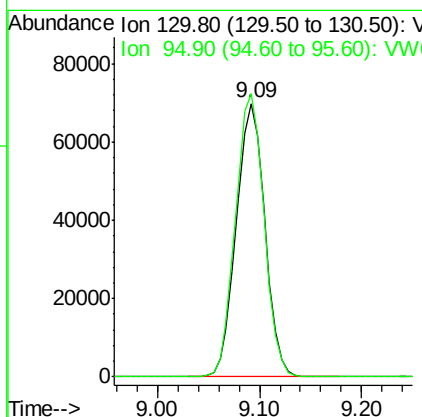
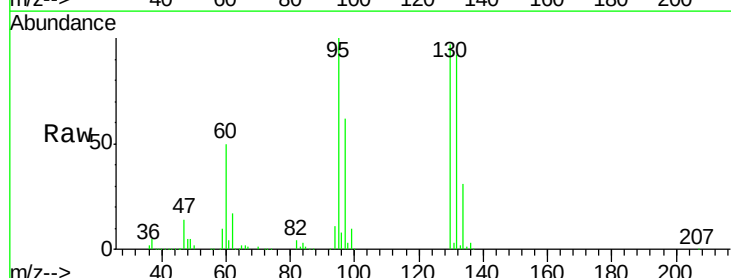
RT: 9.09 min Scan# 1179

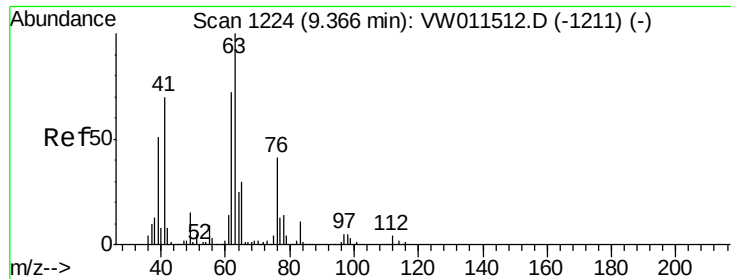
Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	130	Resp:	135649
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	204.8





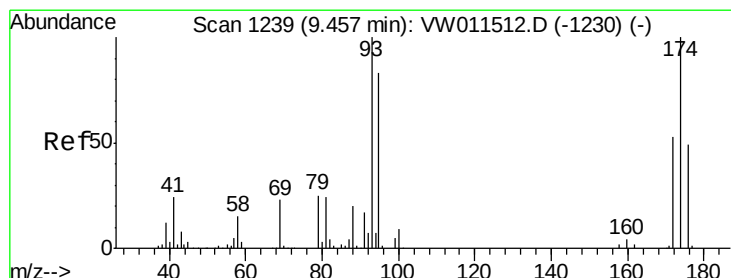
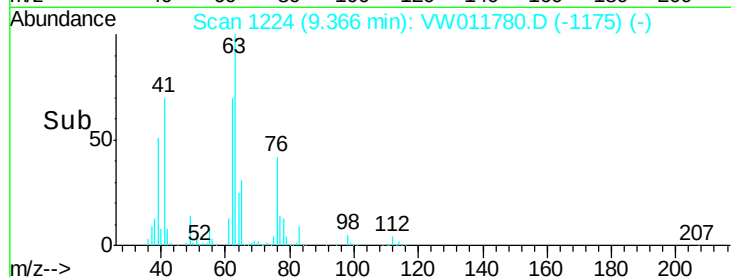
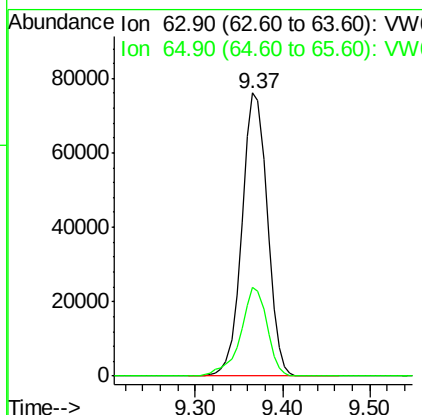
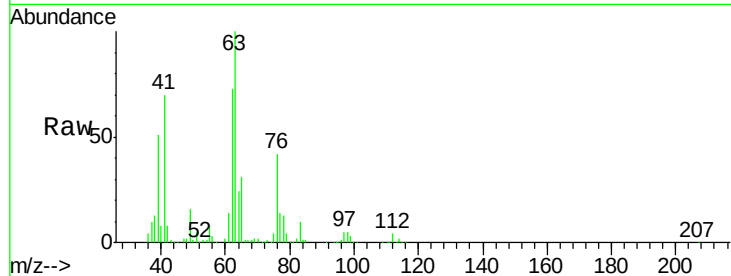
#45
 1,2-Dichloropropane
 Concen: 58.748 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	31.2		24.2	36.4

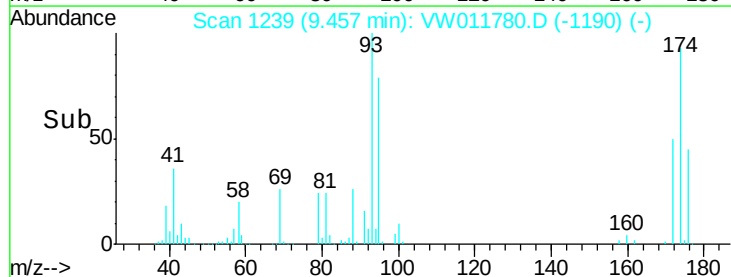
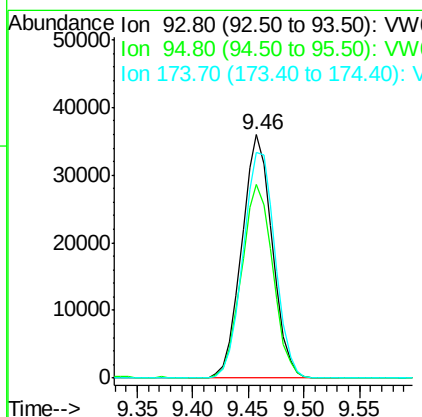
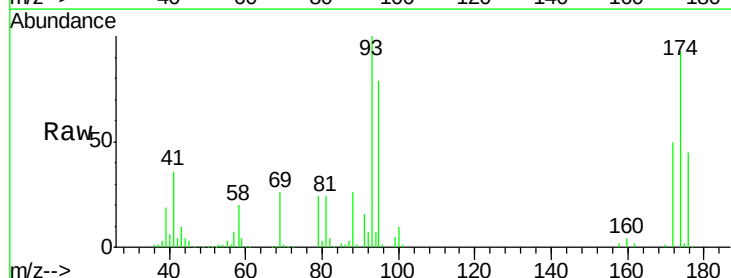
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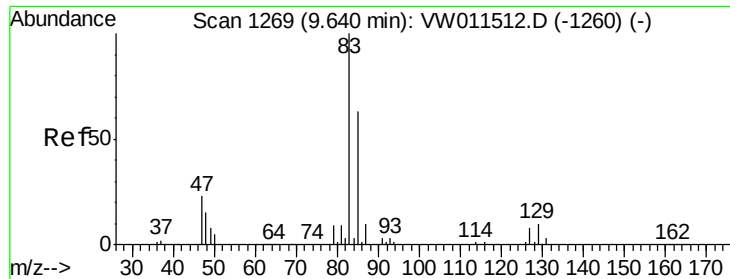
MMDadoda
 8/9/2019 10:55:11 AM



#46
 Dibromomethane
 Concen: 57.323 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	81.9		66.2	99.2
174	97.5		78.2	117.4





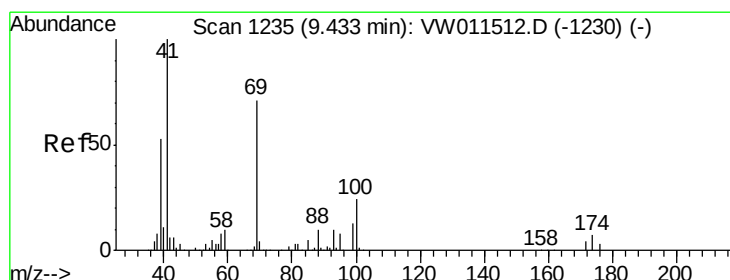
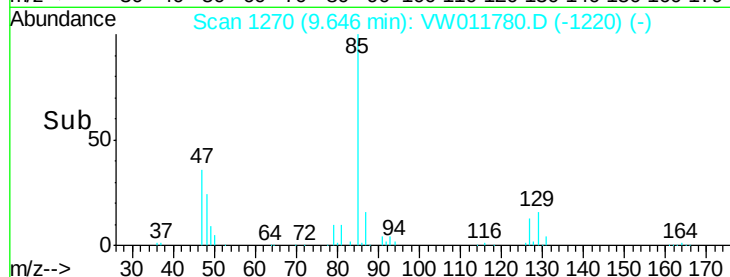
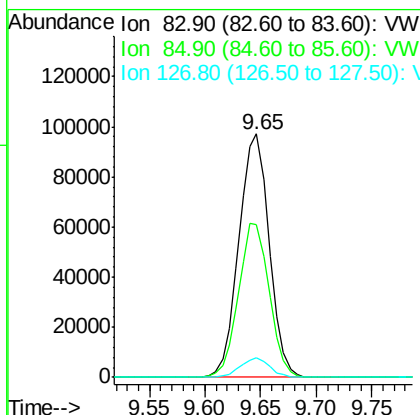
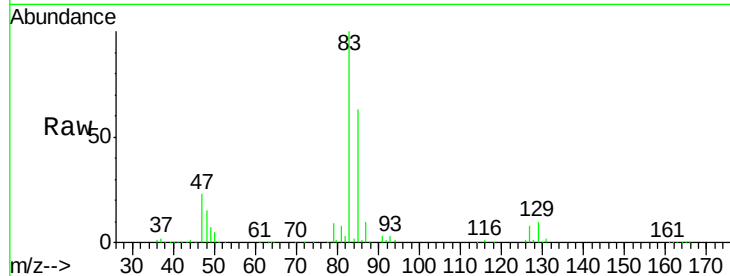
#47
Bromodichloromethane
Concen: 58.722 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	183718		
85	62.8	50.5	75.7	
127	8.1	6.4	9.6	

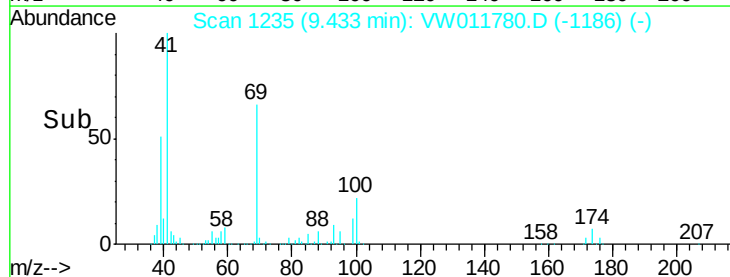
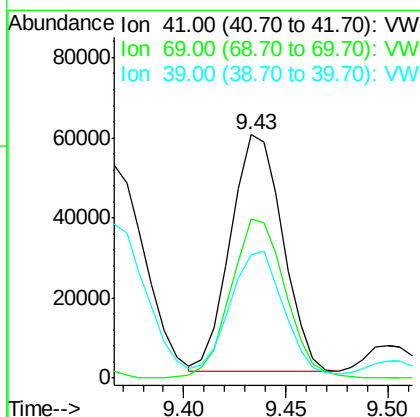
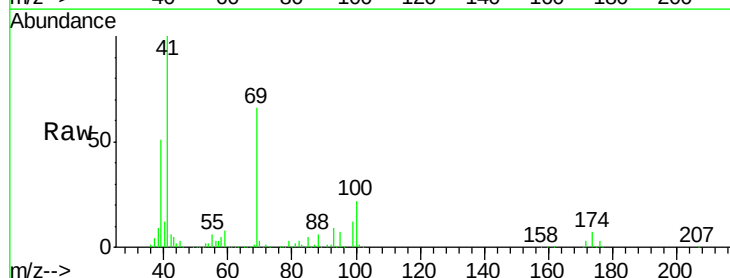
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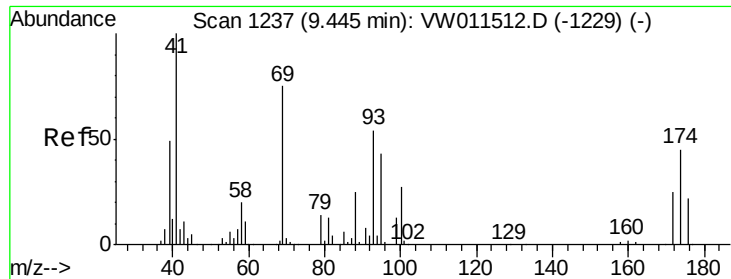
MMDadoda
8/9/2019 10:55:11 AM



#48
Methyl methacrylate
Concen: 58.828 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	104251		
69	70.9	57.1	85.7	
39	56.8	45.4	68.2	





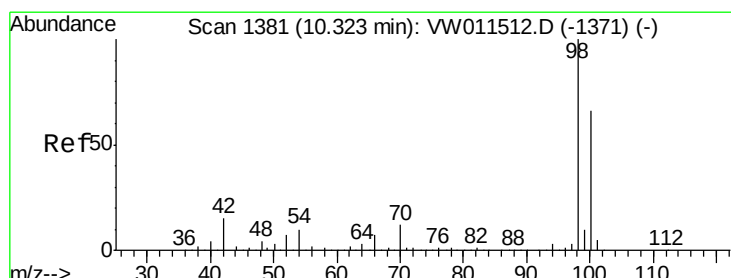
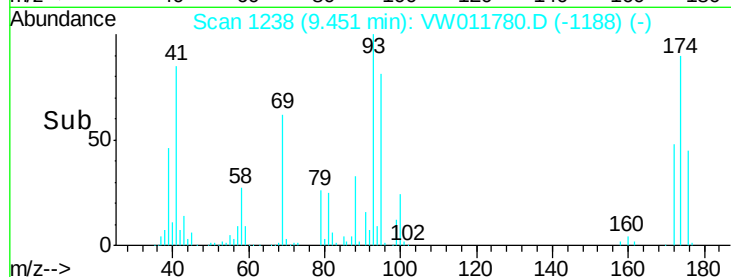
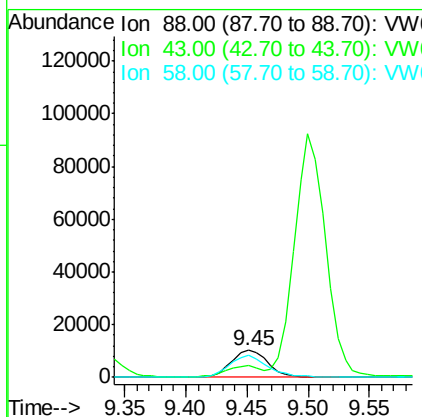
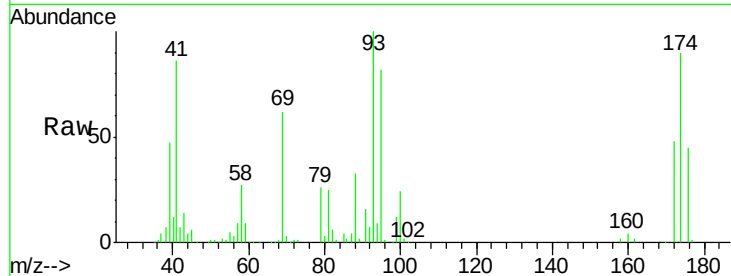
#49
1,4-Dioxane
Concen: 1242.357 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 88 Resp: 21455
Ion Ratio Lower Upper
88 100
43 38.2 34.0 51.0
58 86.0 69.7 104.5

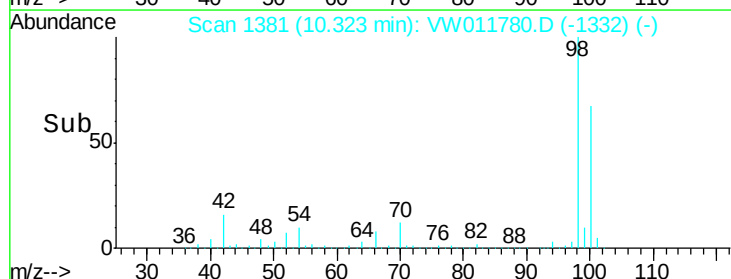
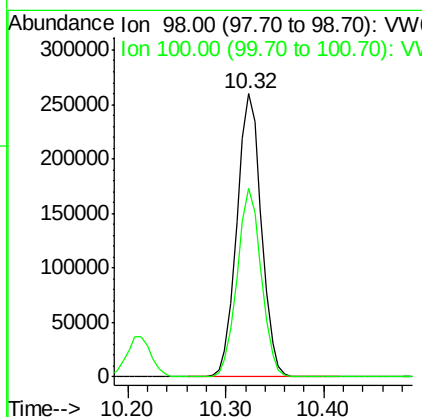
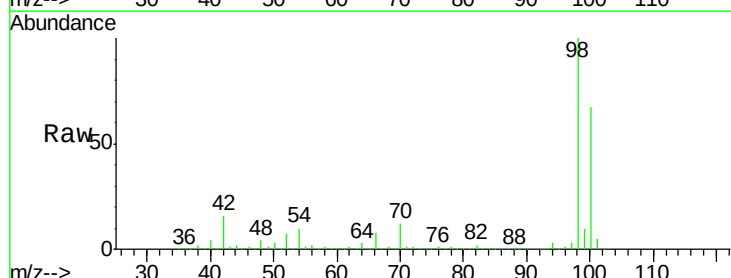
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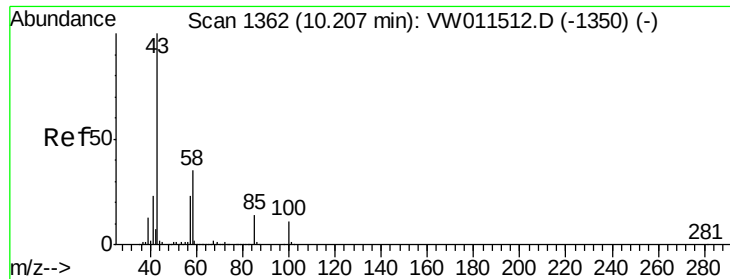
MMDadoda
8/9/2019 10:55:11 AM



#50
Toluene-d8
Concen: 58.499 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion: 98 Resp: 450568
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





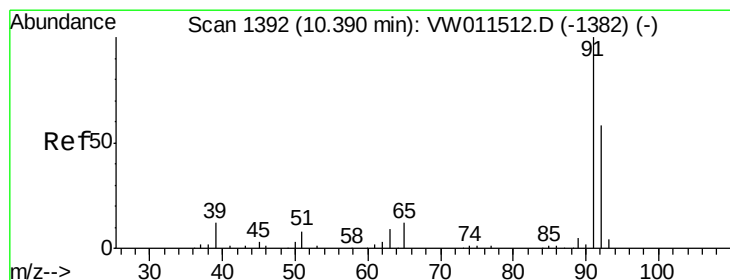
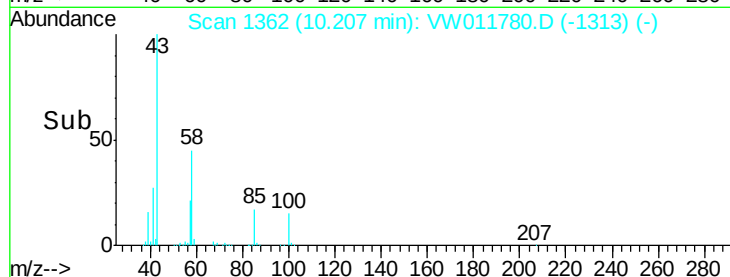
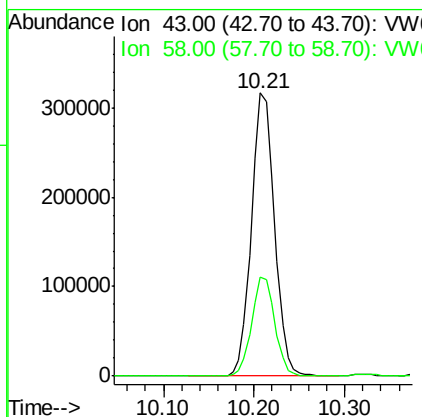
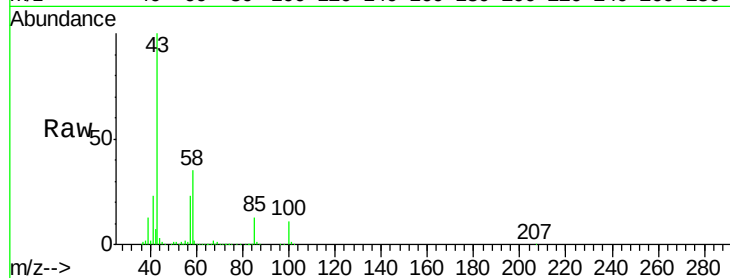
#51
 4-Methyl-2-Pentanone
 Concen: 290.715 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.2	42.2

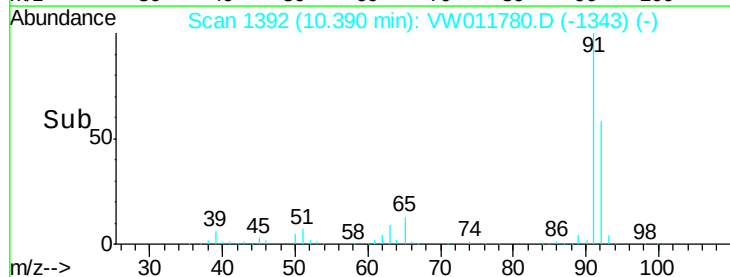
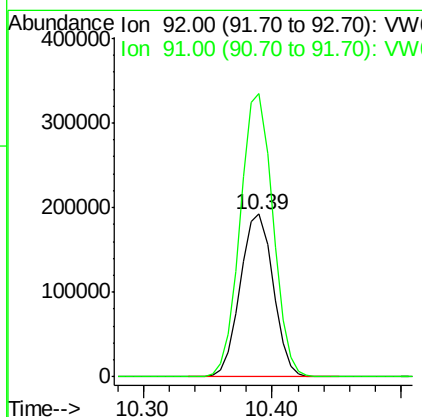
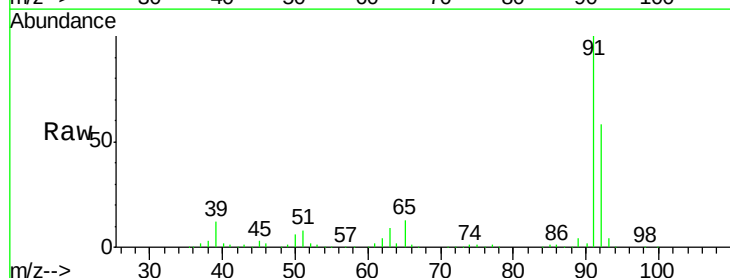
Manual Integrations
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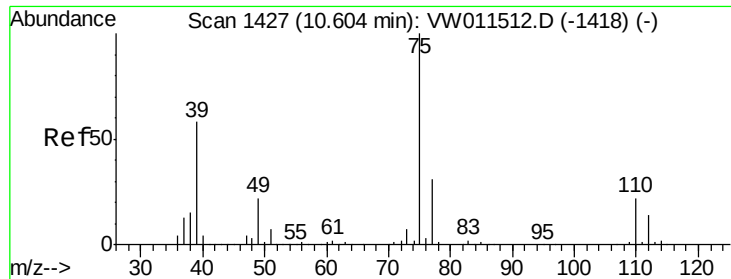
MMDadoda
 8/9/2019 10:55:11 AM



#52
 Toluene
 Concen: 57.786 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	136.7	205.1





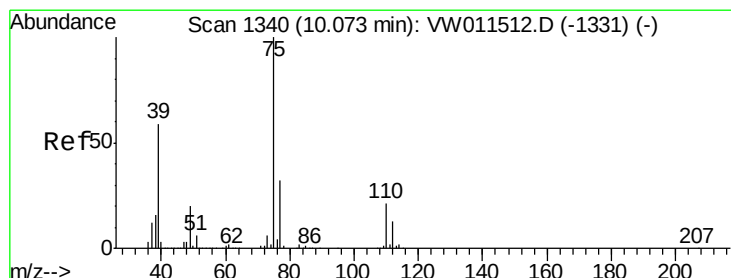
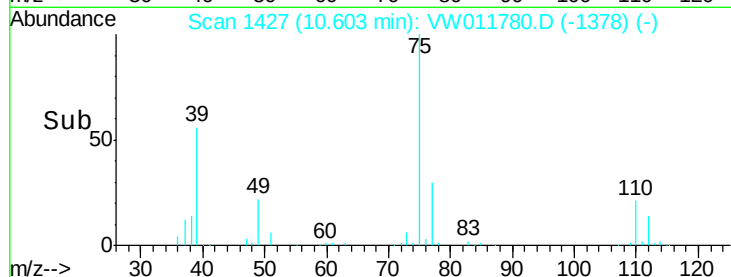
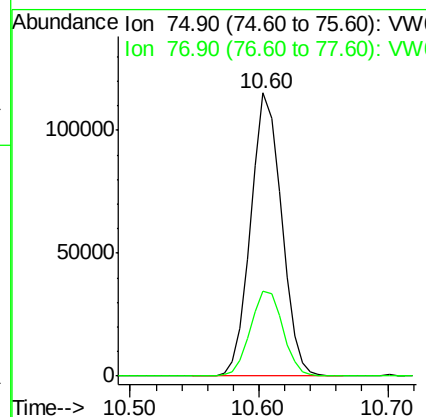
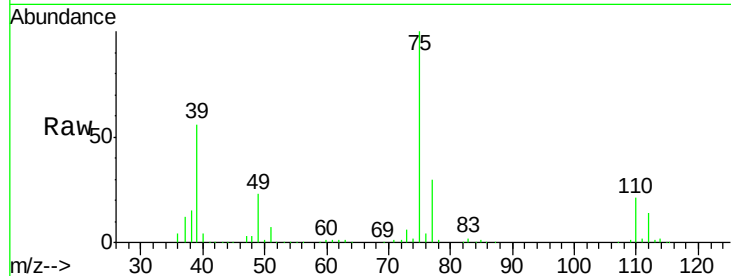
#53
 t-1,3-Dichloropropene
 Concen: 58.232 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.0	37.4

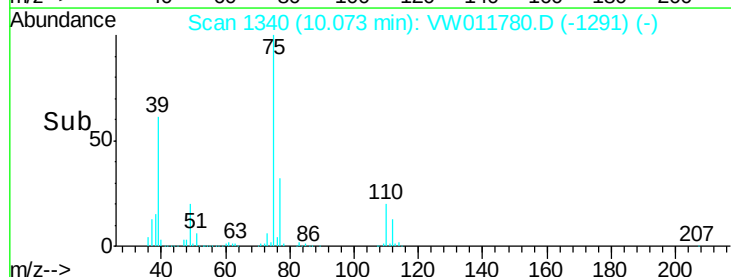
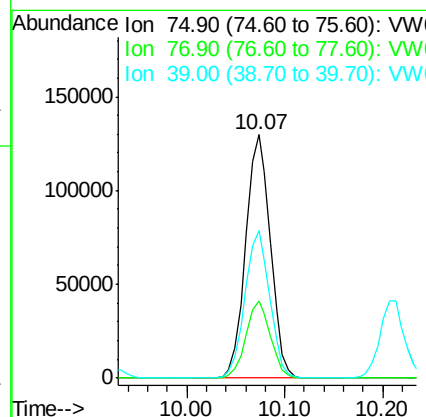
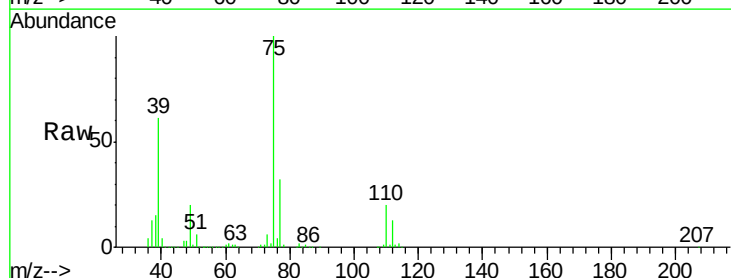
Manual Integrations
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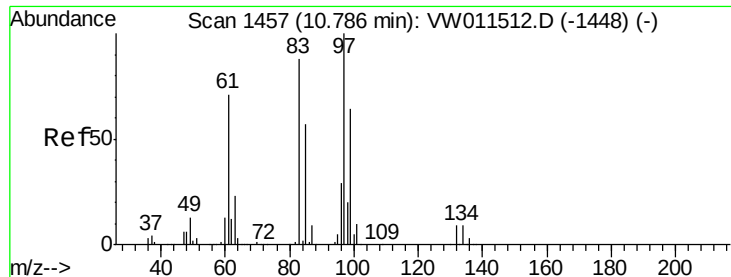
MMDadoda
 8/9/2019 10:55:11 AM



#54
 cis-1,3-Dichloropropene
 Concen: 58.491 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	60.7	47.0	70.4





#55

1,1,2-Trichloroethane

Concen: 57.559 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

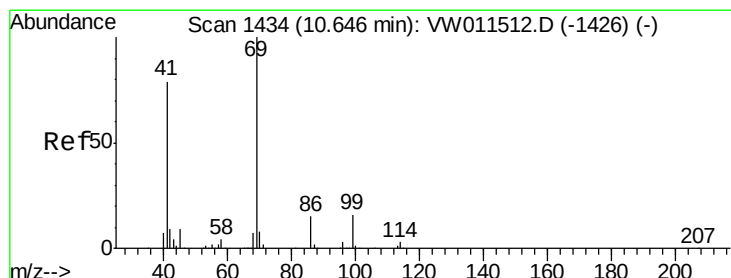
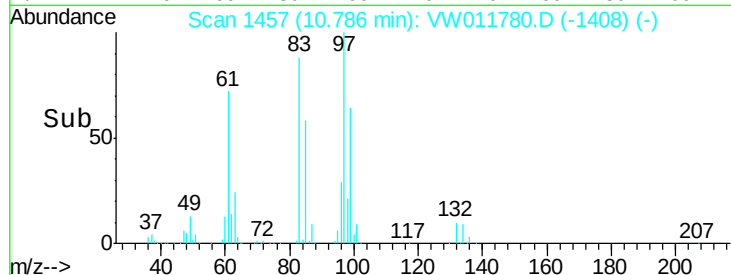
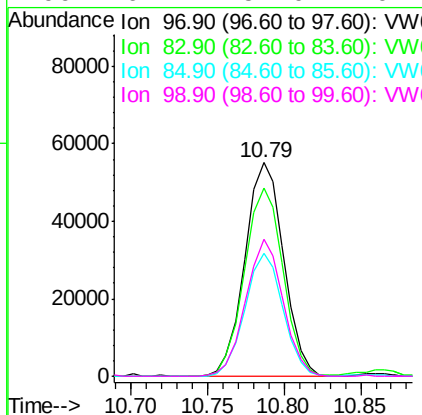
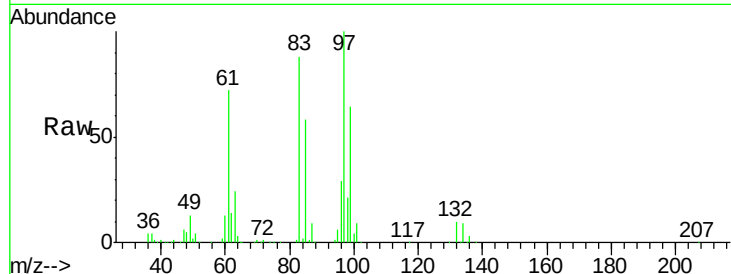
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	97405
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.5	105.7
85	57.7	45.8	68.6
99	64.2	51.0	76.4

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8/9/2019 10:55:11 AM



#56

Ethyl methacrylate

Concen: 59.120 ug/l

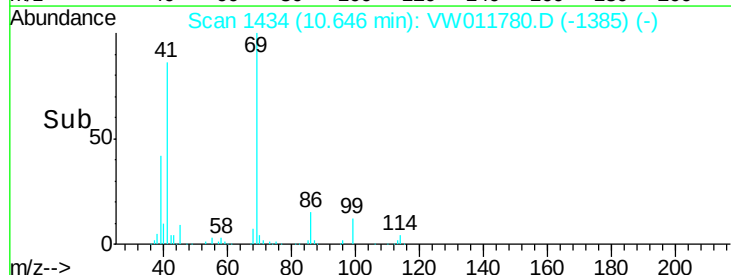
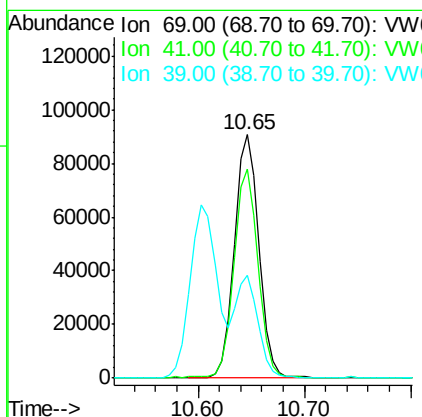
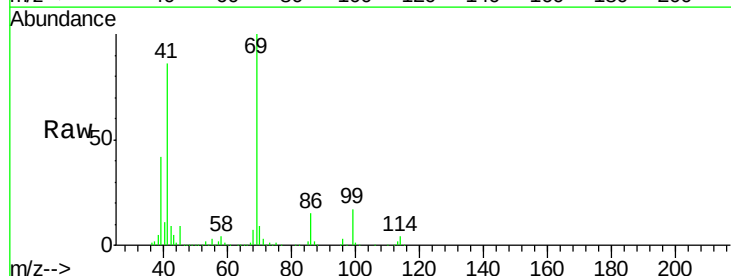
RT: 10.65 min Scan# 1434

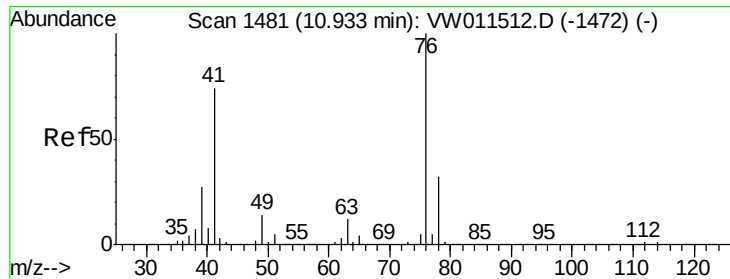
Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	69	Resp:	146401
Ion	Ratio	Lower	Upper
69	100		
41	85.3	66.6	99.8
39	39.2	30.3	45.5





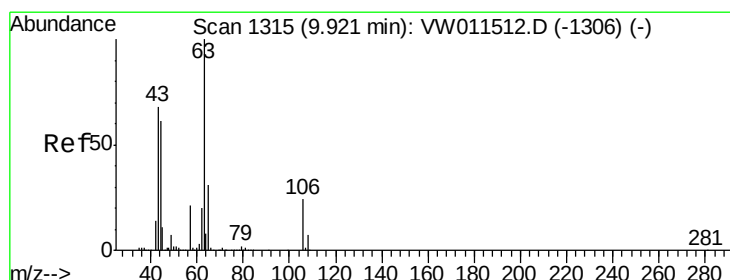
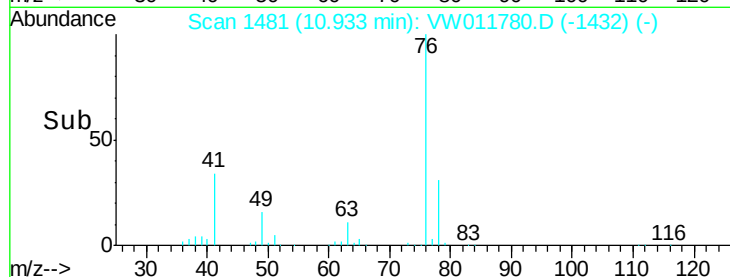
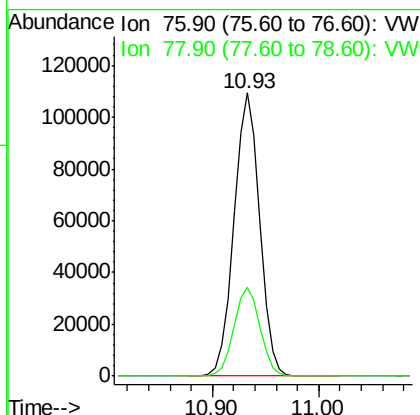
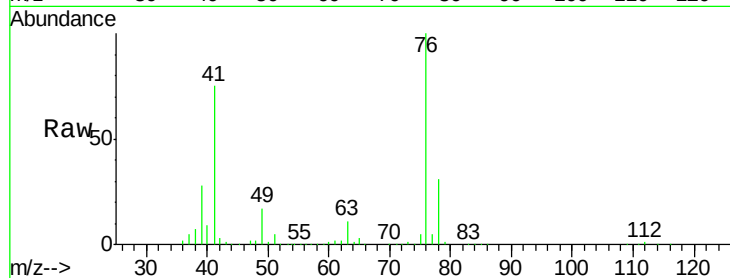
#57
 1,3-Dichloropropane
 Concen: 57.666 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 184623
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

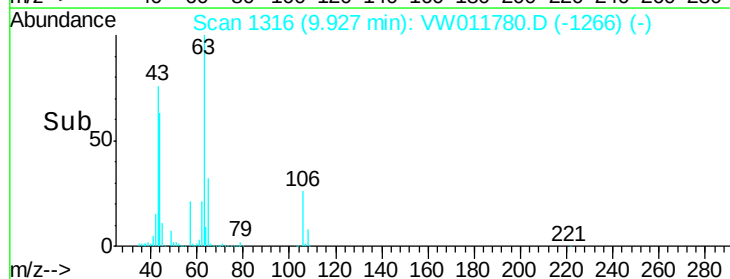
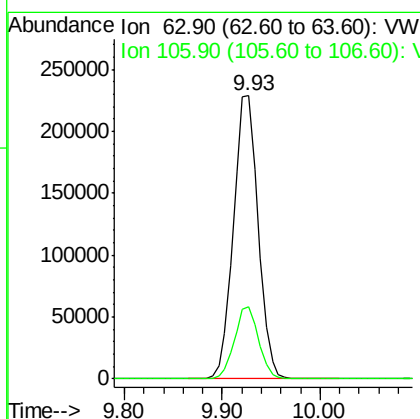
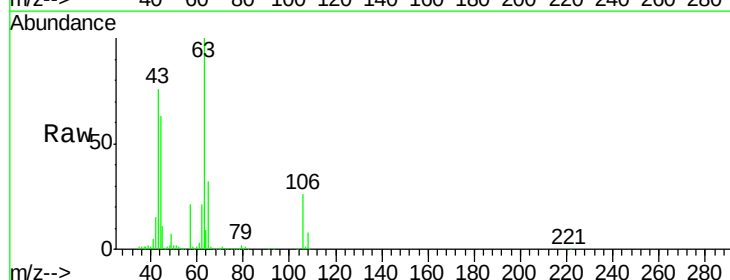
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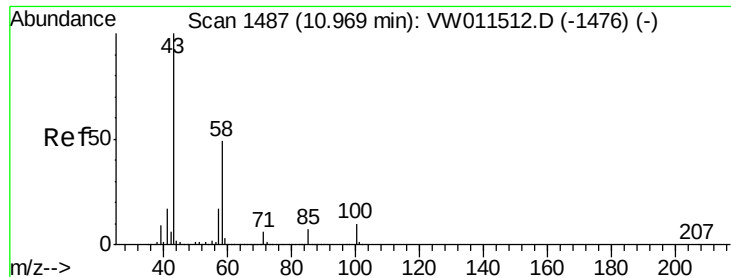
MMDadoda
 8/9/2019 10:55:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 355.790 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion: 63 Resp: 400033
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5





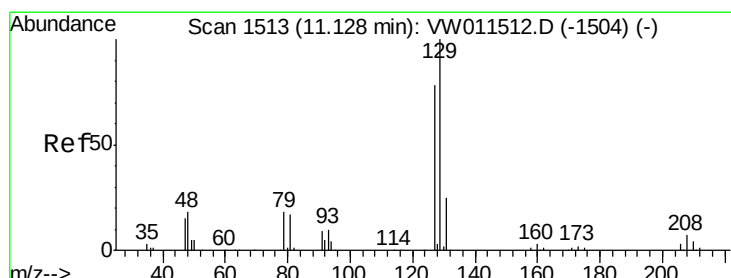
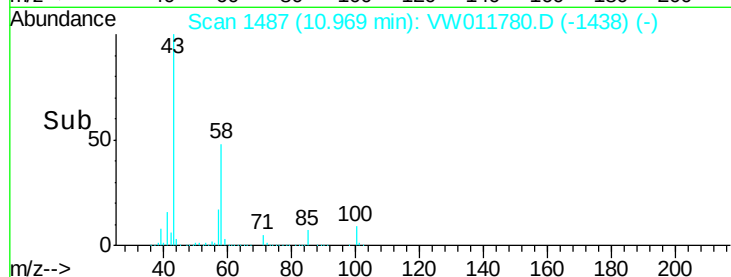
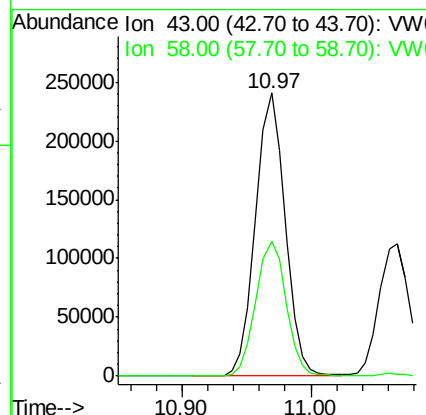
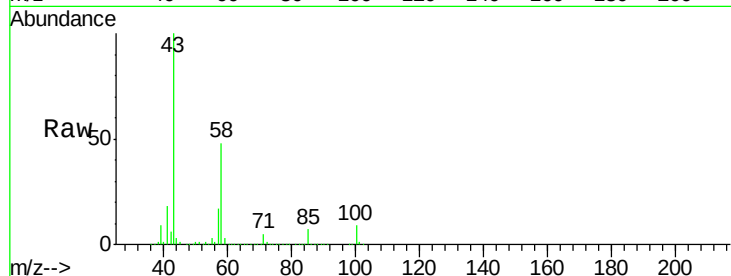
#59
2-Hexanone
Concen: 282.387 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	382602
Ion Ratio	100	Lower	Upper
43	100		
58	48.9	24.3	72.9

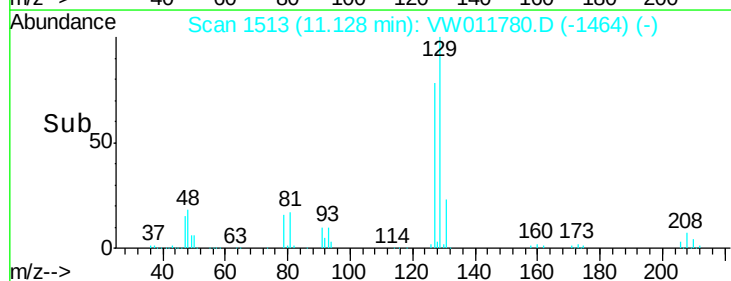
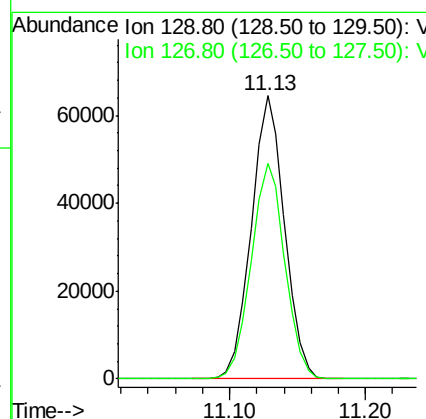
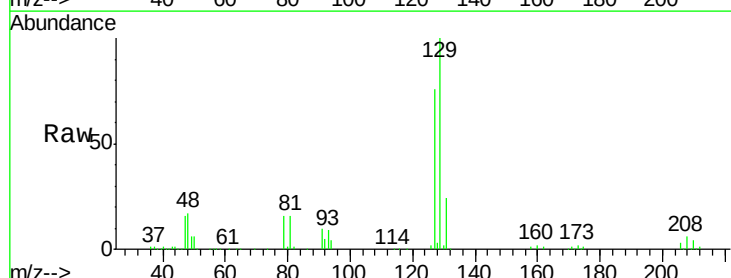
Manual Integrations
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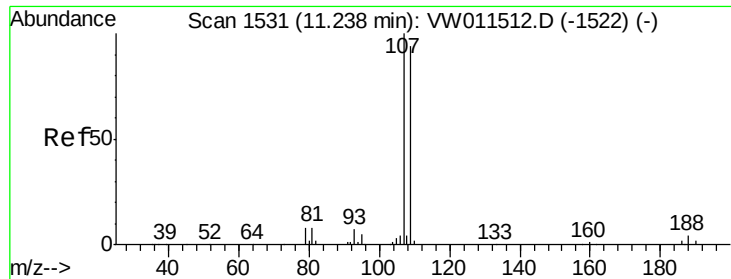
MMDadoda
8/9/2019 10:55:11 AM



#60
Dibromochloromethane
Concen: 58.707 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	129	Resp	110279
Ion Ratio	100	Lower	Upper
129	100		
127	77.1	38.9	116.7





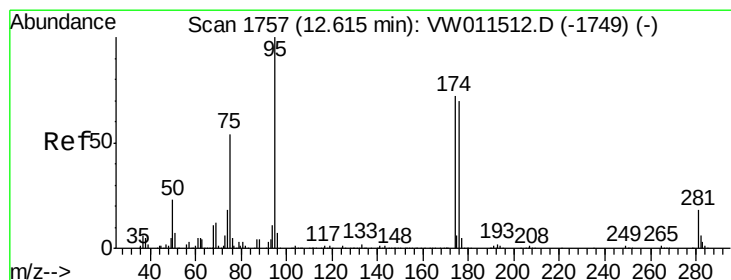
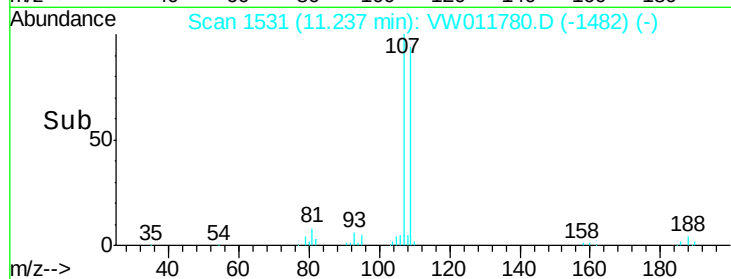
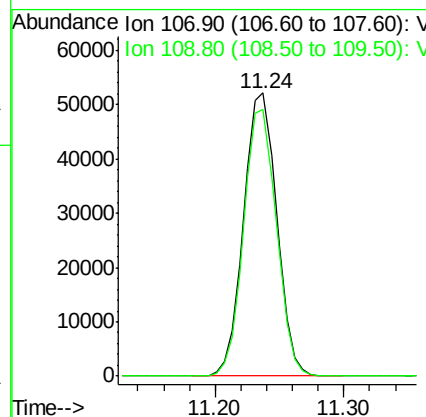
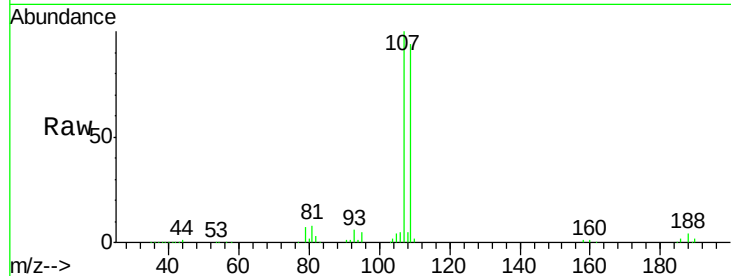
#61
 1,2-Dibromoethane
 Concen: 58.009 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6

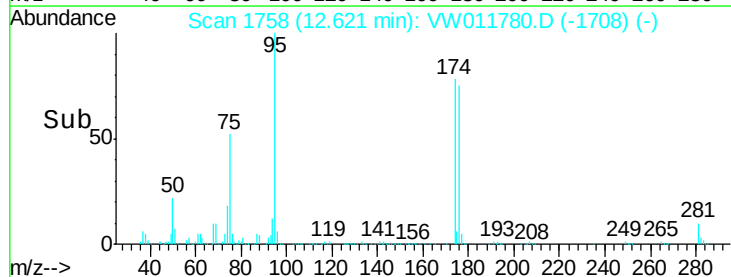
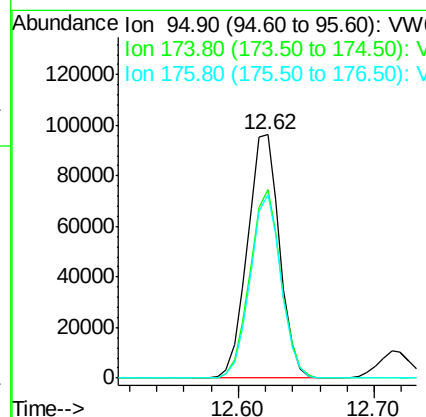
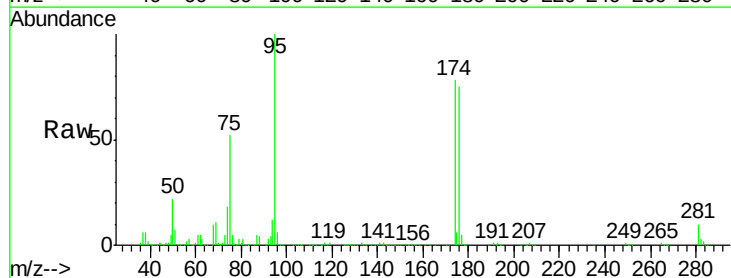
Manual Integrations
 APPROVED

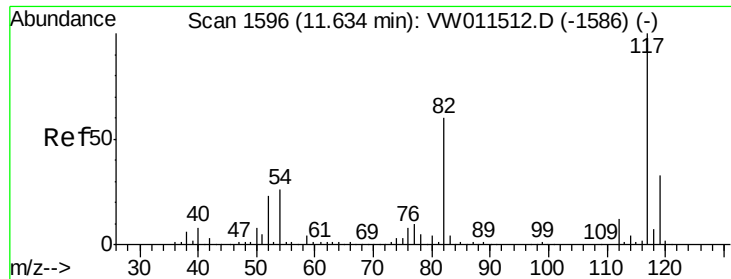
MMDadoda
 8/9/2019 10:55:11 AM



#62
 4-Bromofluorobenzene
 Concen: 58.032 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	150.2
176	72.4	0.0	144.4





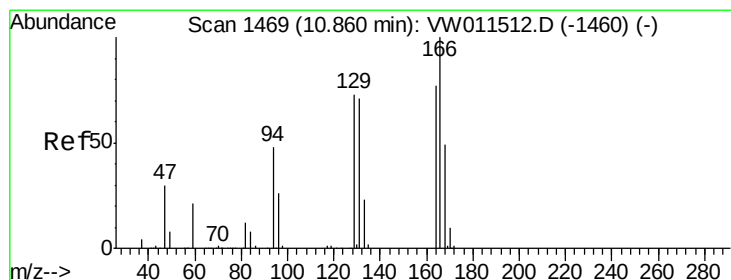
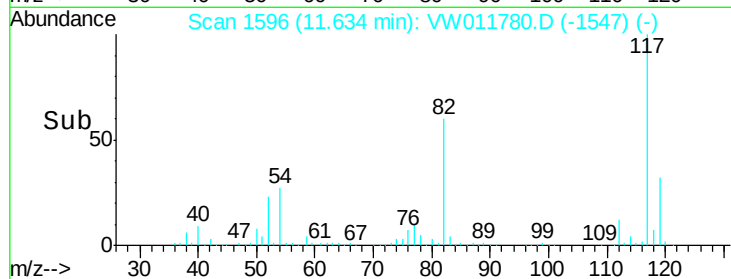
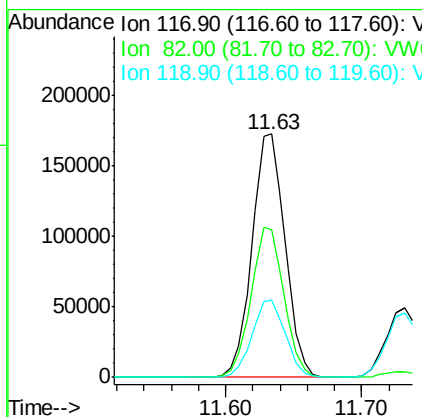
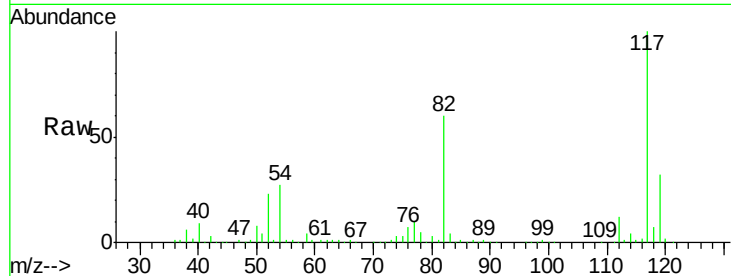
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294201		
82	60.4	47.9	71.9	
119	31.6	26.2	39.2	

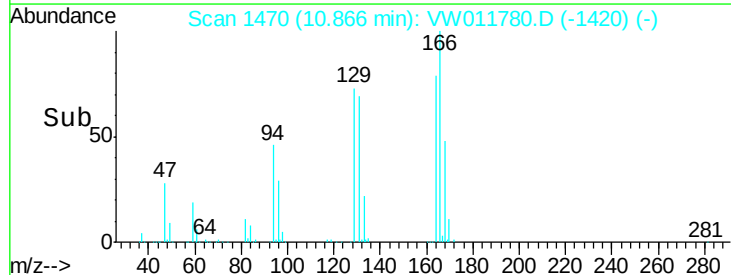
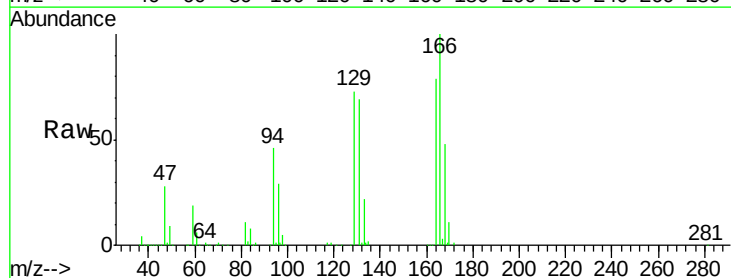
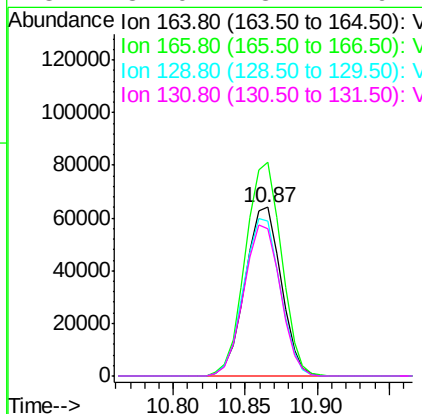
Manual Integrations
APPROVED

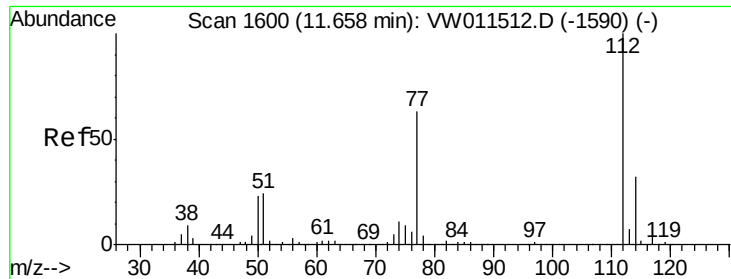
MMDadoda
8/9/2019 10:55:11 AM



#64
Tetrachloroethene
Concen: 57.937 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	110983		
166	126.6	103.5	155.3	
129	92.2	75.2	112.8	
131	87.0	73.4	110.2	





#65

Chlorobenzene

Concen: 57.092 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 337686

Ion Ratio Lower Upper

112 100

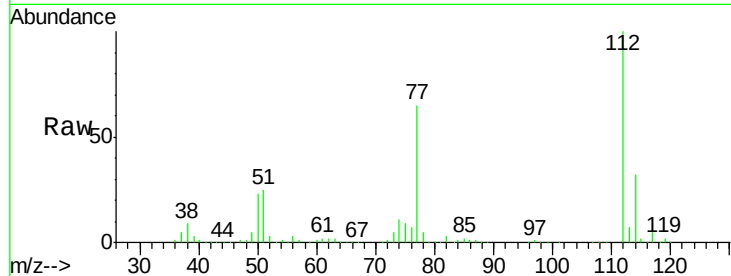
114 32.3 25.6 38.4

Manual Integrations

APPROVED

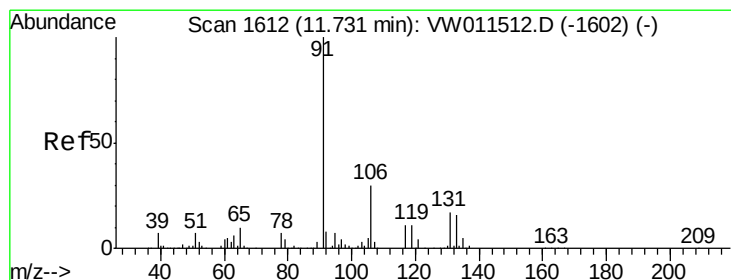
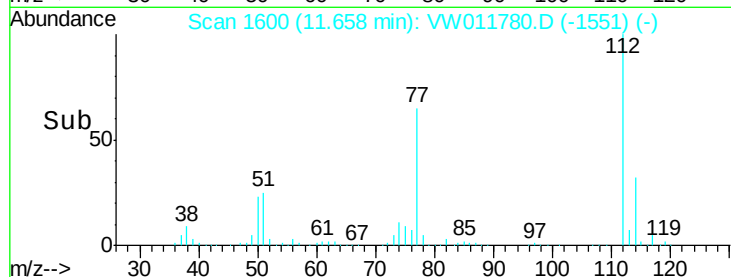
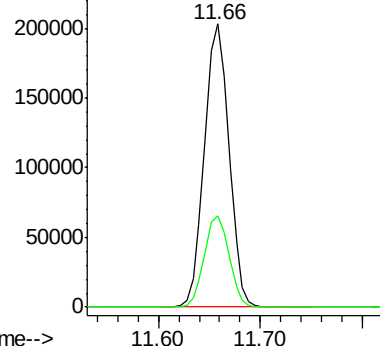
MMDadoda

8/9/2019 10:55:11 AM



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: 58.790 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

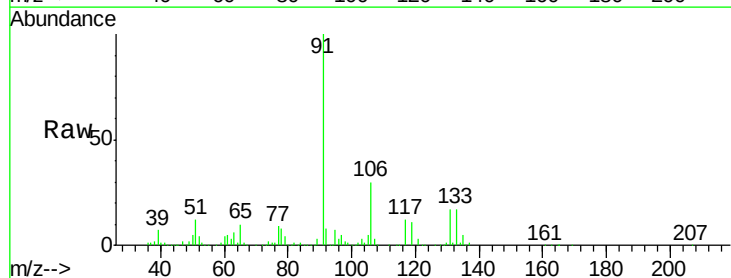
Tgt Ion:131 Resp: 121124

Ion Ratio Lower Upper

131 100

133 95.1 47.4 142.2

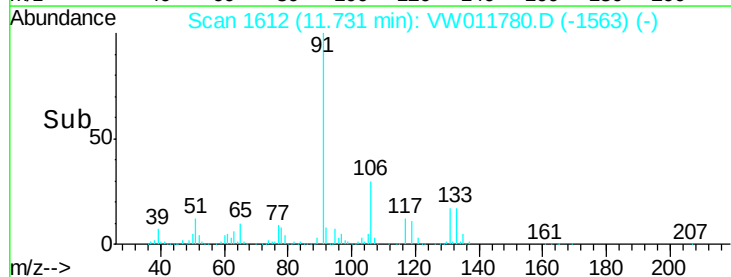
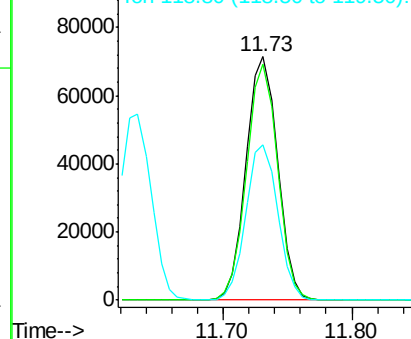
119 64.6 32.3 96.9

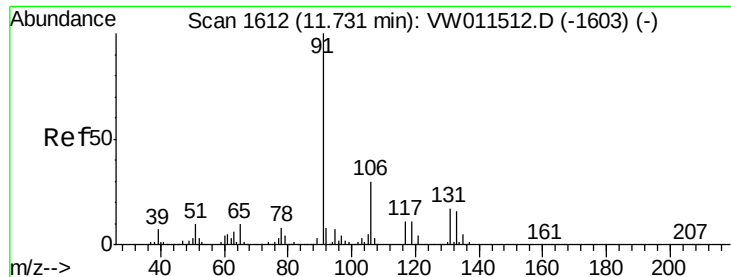


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





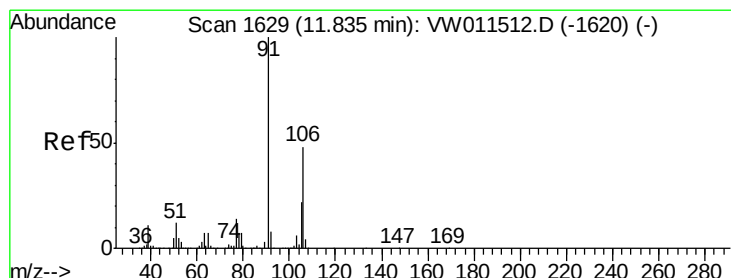
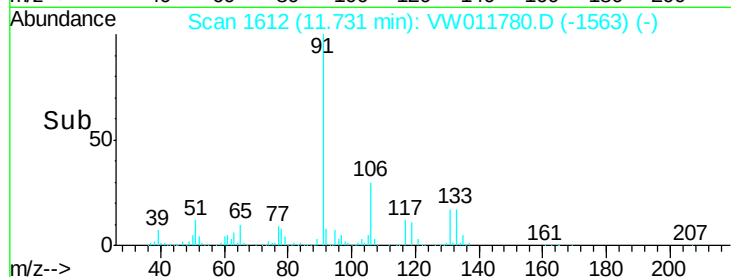
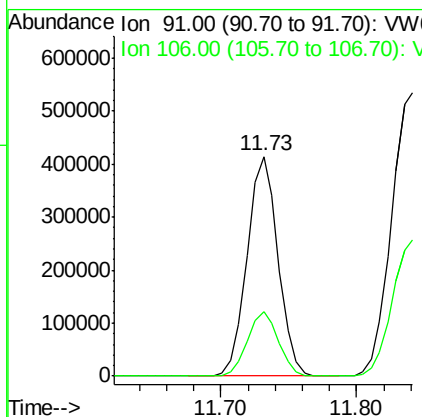
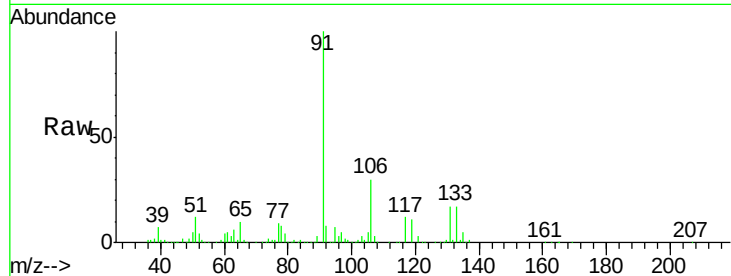
#67
Ethyl Benzene
Concen: 58.600 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.6

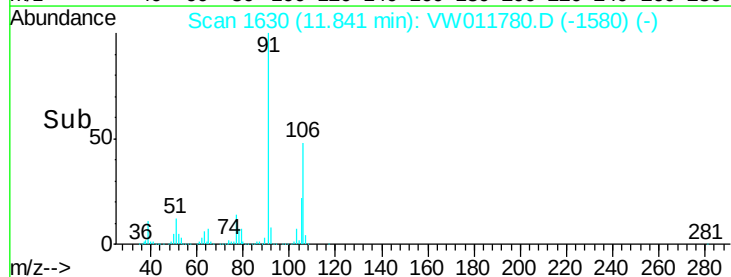
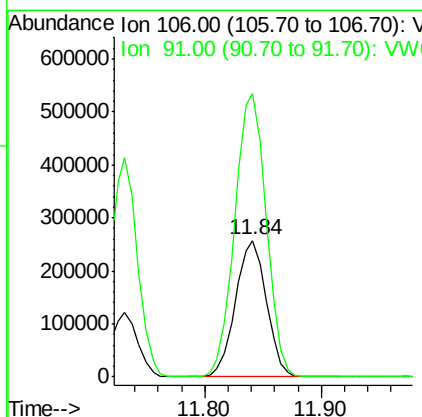
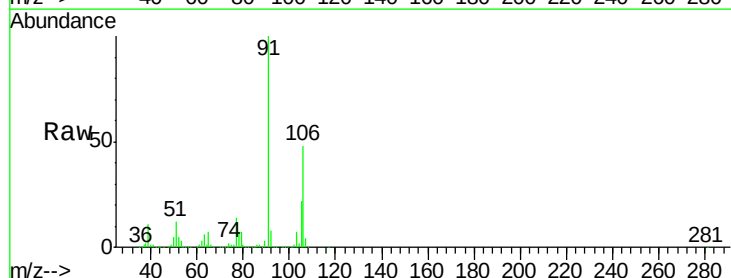
Manual Integrations
APPROVED

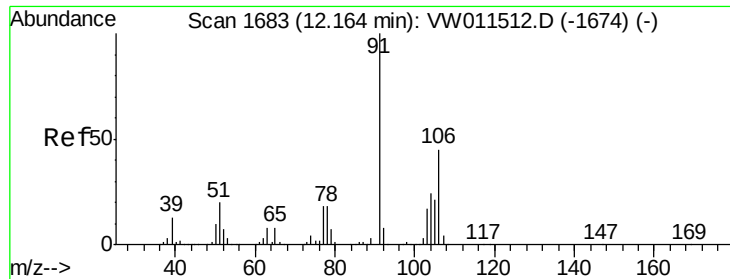
MMDadoda
8/9/2019 10:55:11 AM



#68
m/p-Xylenes
Concen: 116.167 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.4	168.2	252.2





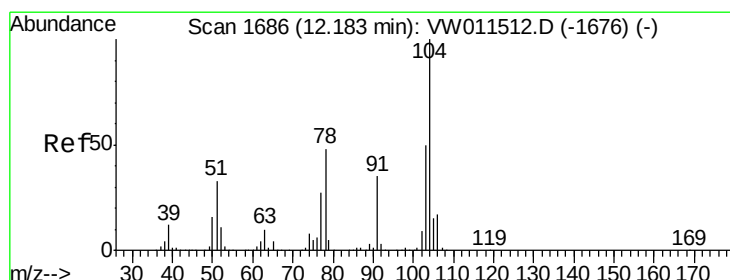
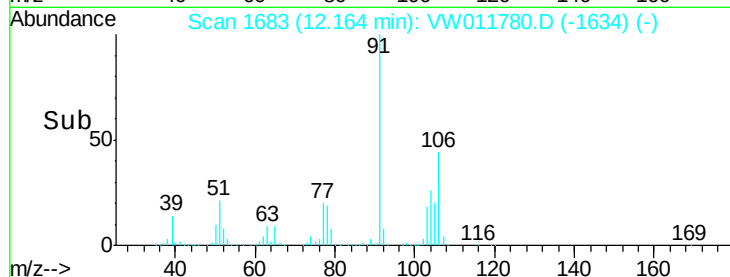
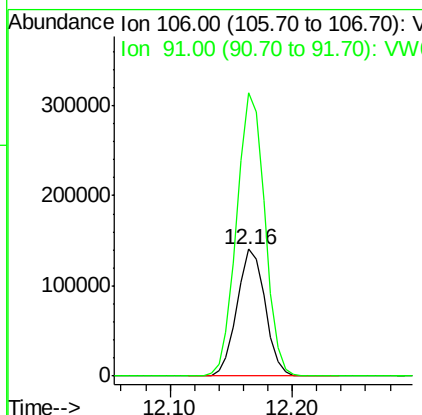
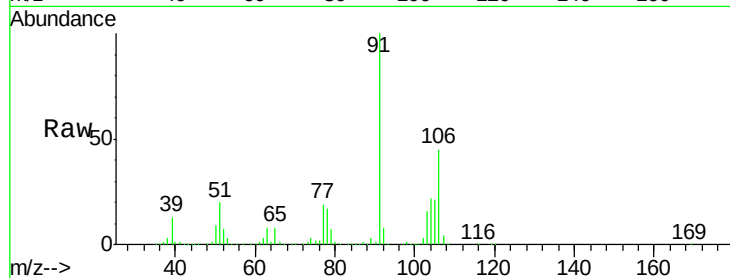
#69
o-Xylene
Concen: 58.616 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	223147		
91	223.6	110.5	331.5	

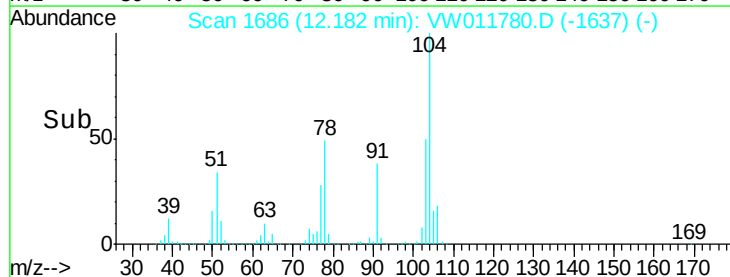
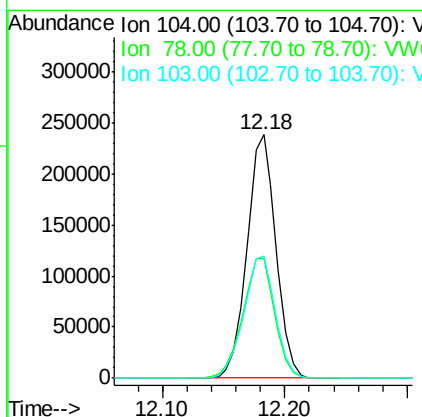
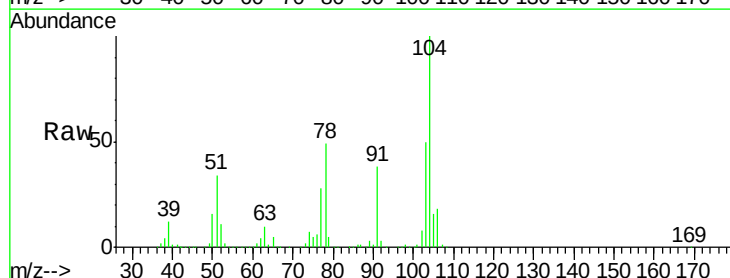
Manual Integrations
APPROVED

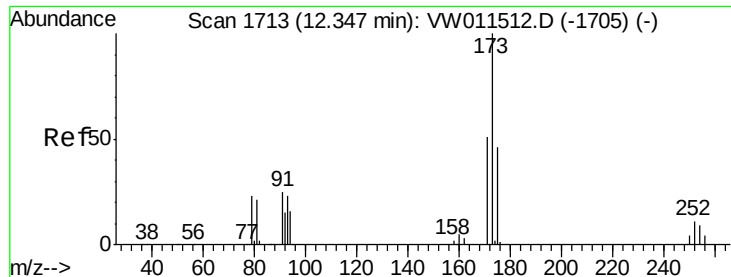
MMDadoda
8/9/2019 10:55:11 AM



#70
Styrene
Concen: 59.407 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	391030		
78	54.4	43.4	65.0	
103	54.5	43.9	65.9	





#71

Bromoform

Concen: 58.899 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 61871

Ion Ratio Lower Upper

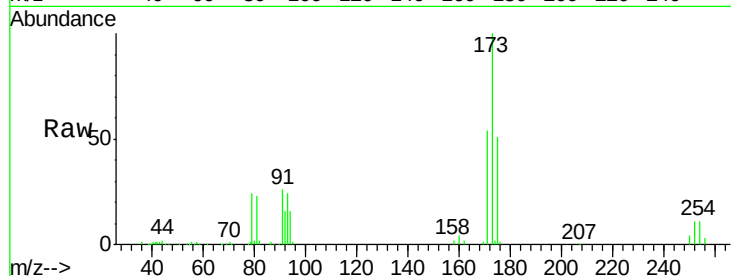
173 100

175 49.2 23.6 71.0

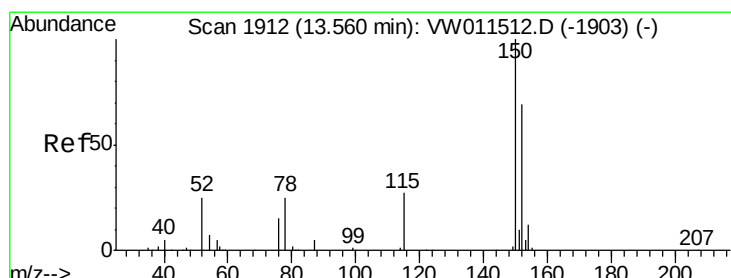
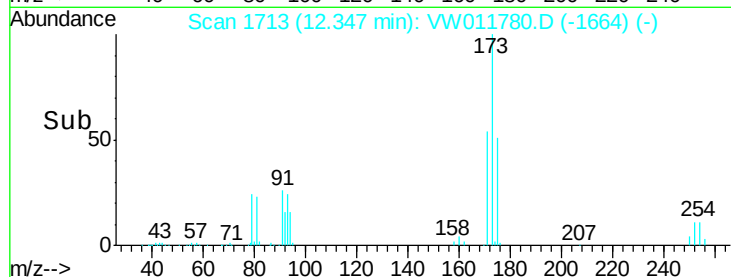
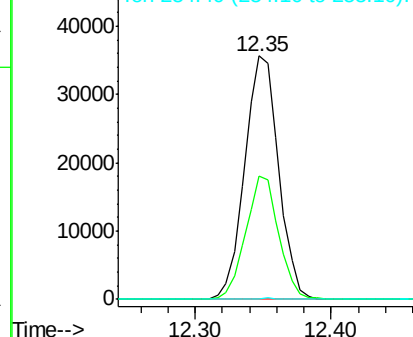
254 0.1 0.1 0.1#

Manual Integrations
APPROVED

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8/9/2019 10:55:11 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

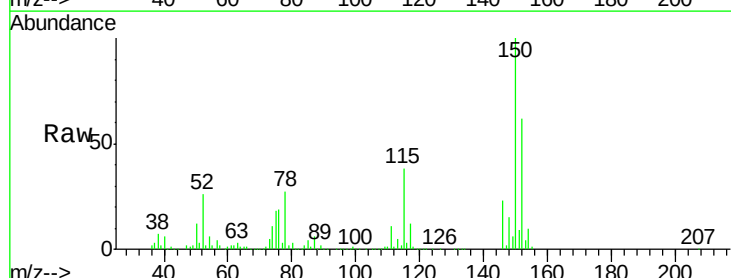
Tgt Ion:152 Resp: 139437

Ion Ratio Lower Upper

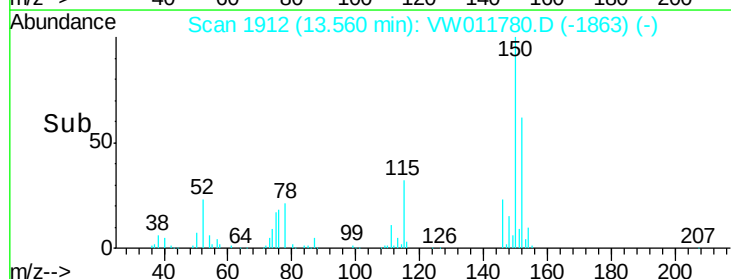
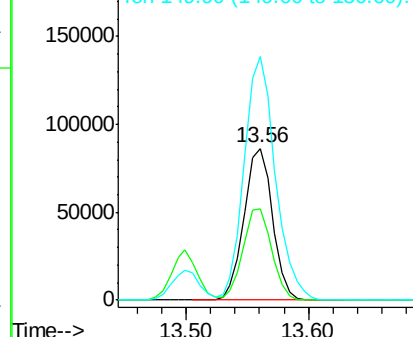
152 100

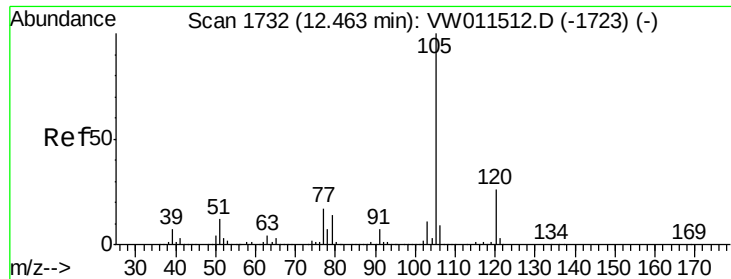
115 60.7 30.5 91.5

150 175.5 0.0 352.6



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





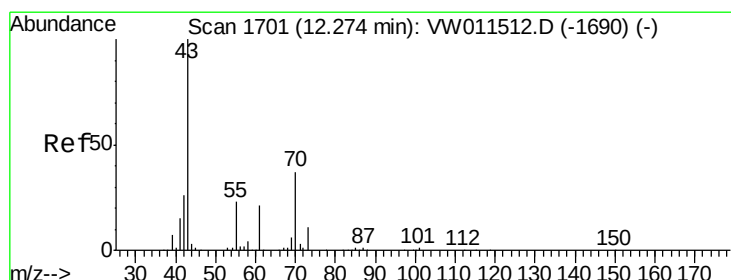
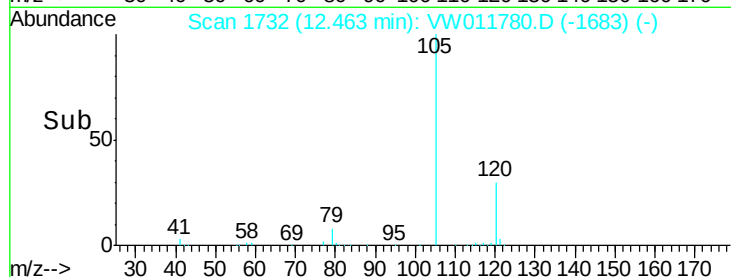
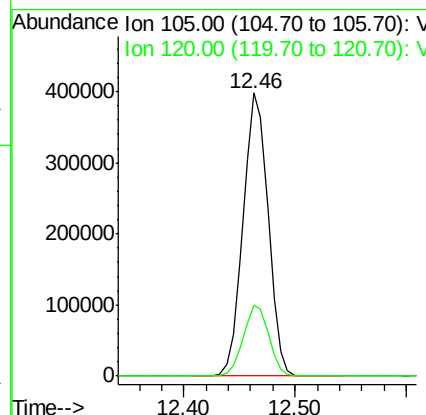
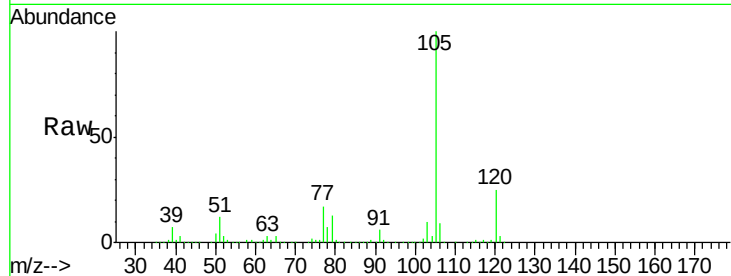
#73
Isopropylbenzene
Concen: 59.599 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7

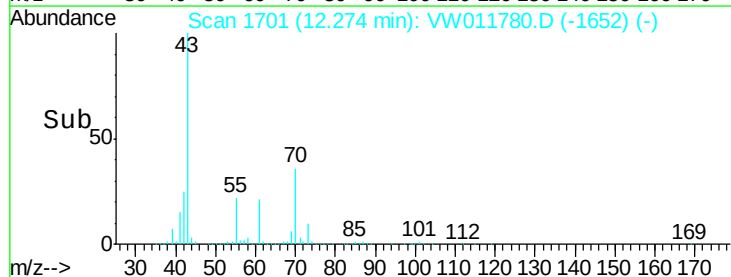
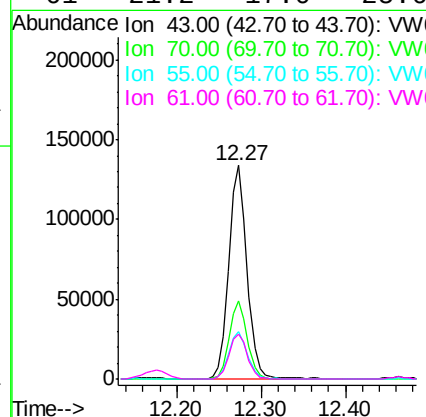
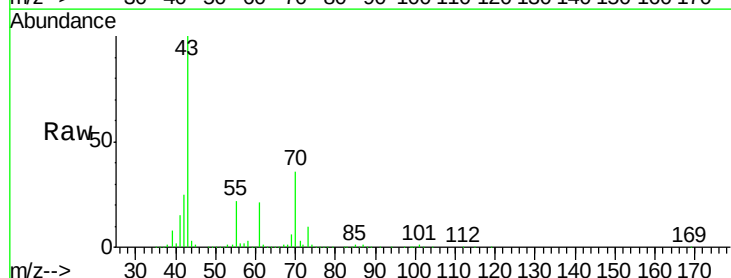
Manual Integrations
APPROVED

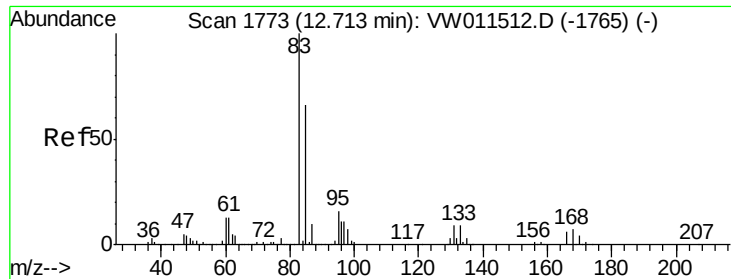
MMDadoda
8/9/2019 10:55:11 AM



#74
N-ethyl acetate
Concen: 60.379 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.8	28.6	43.0
55	22.8	17.8	26.8
61	21.2	17.0	25.6





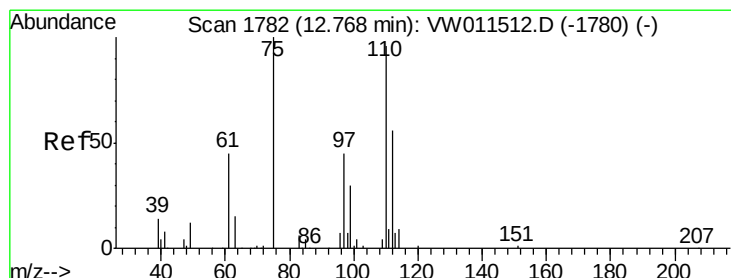
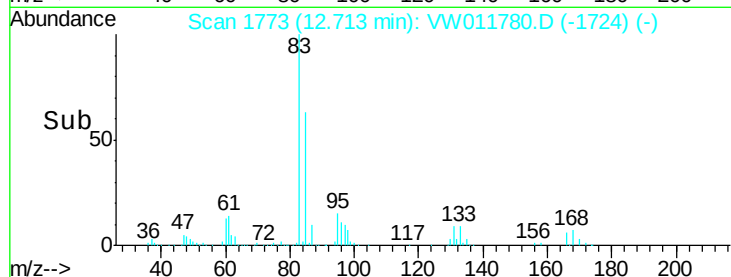
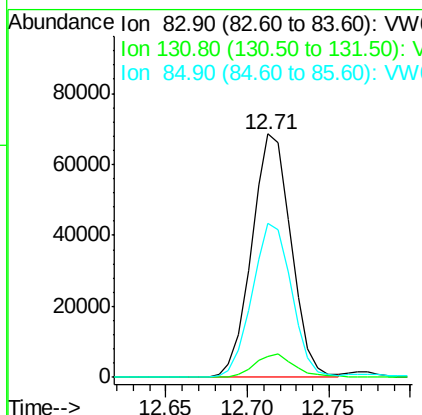
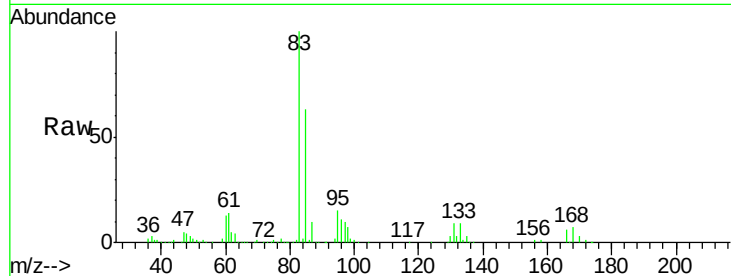
#75
 1,1,2,2-Tetrachloroethane
 Concen: 58.932 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	115310		
131	9.9	4.9	14.6	
85	63.5	31.8	95.4	

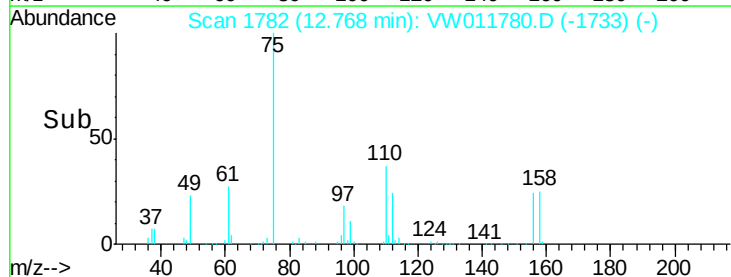
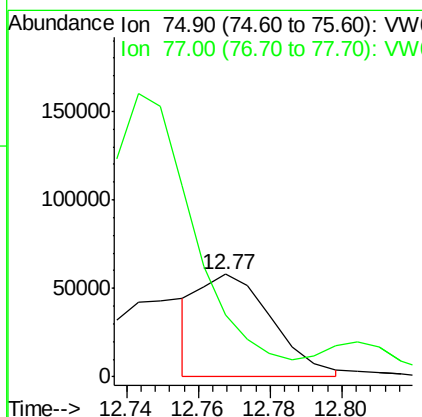
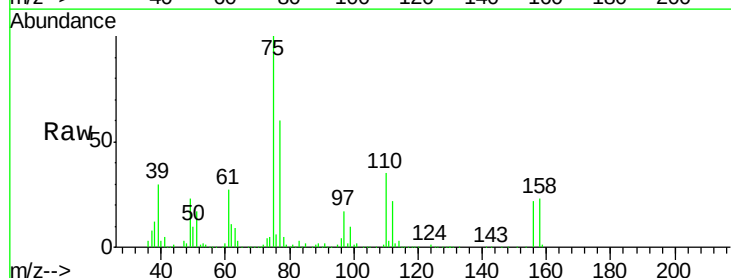
Manual Integrations
 APPROVED

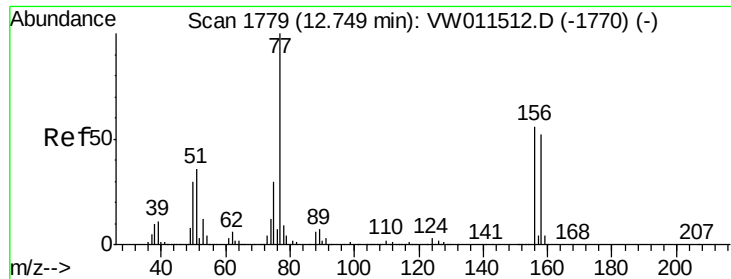
MMDadoda
 8/9/2019 10:55:11 AM



#76
 1,2,3-Trichloropropane
 Concen: 55.409 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81751		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 59.151 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

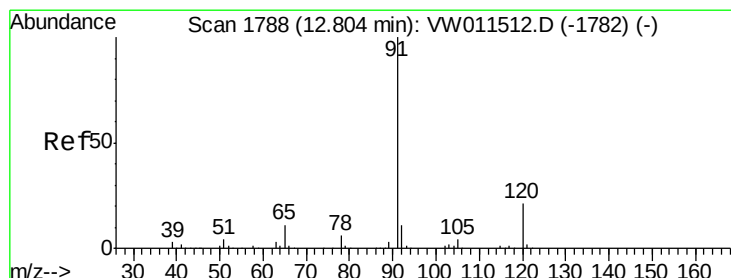
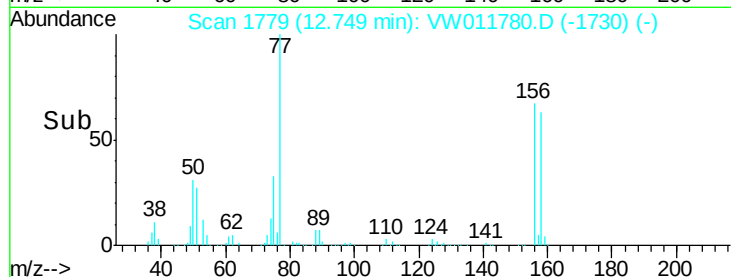
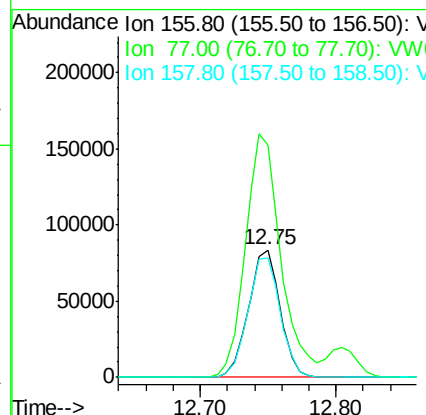
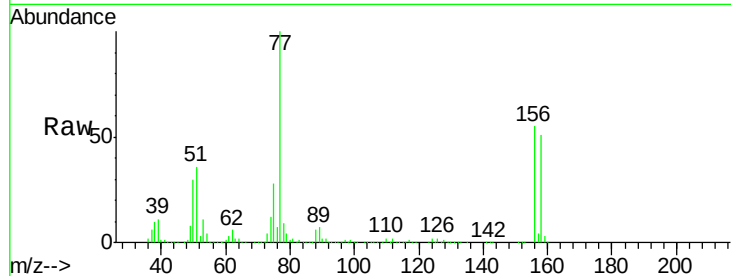
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	136002
Ion Ratio	Lower	Upper	
156	100		
77	212.9	106.5	319.4
158	96.9	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 58.729 ug/l

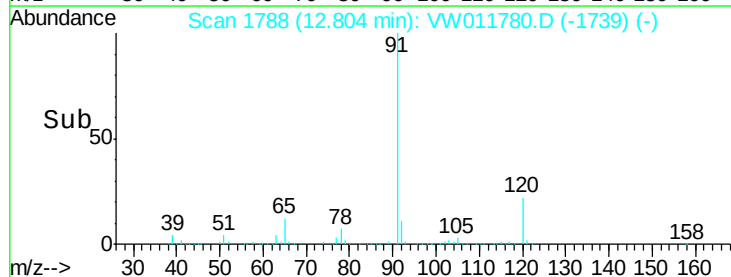
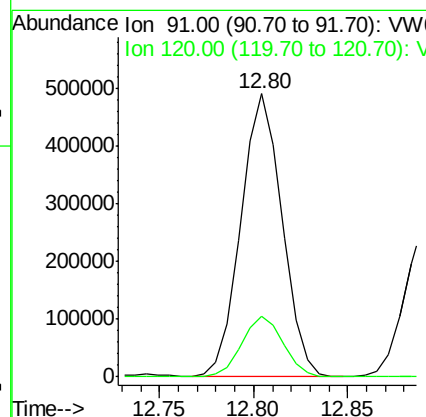
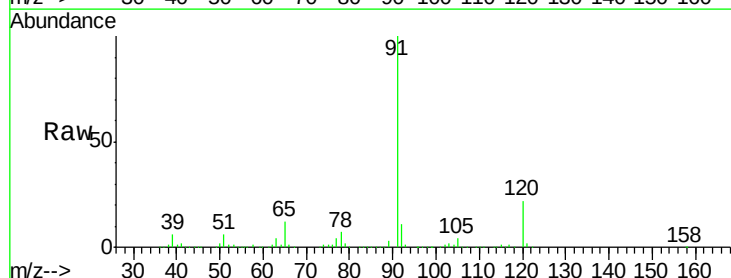
RT: 12.80 min Scan# 1788

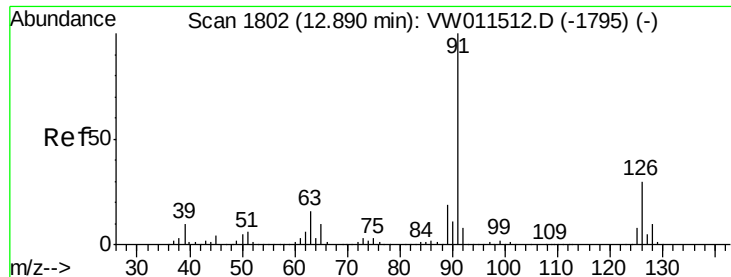
Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	91	Resp:	743491
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 58.673 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 427921

Ion Ratio Lower Upper

91 100

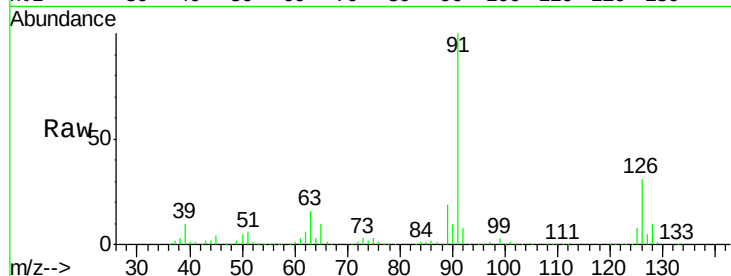
126 31.4 15.7 47.1

Manual Integrations

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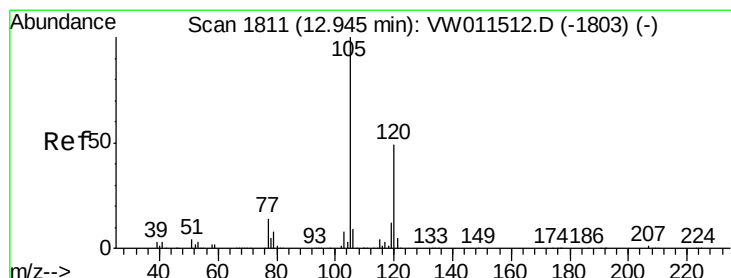
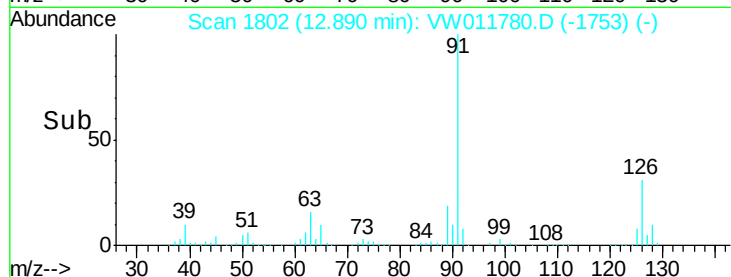
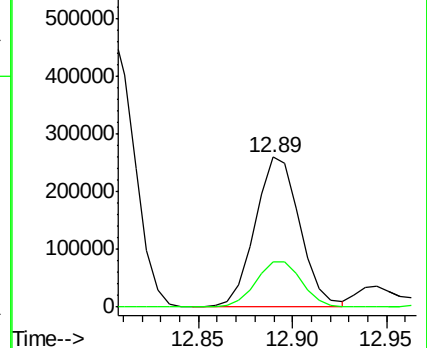
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.853 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011780.D

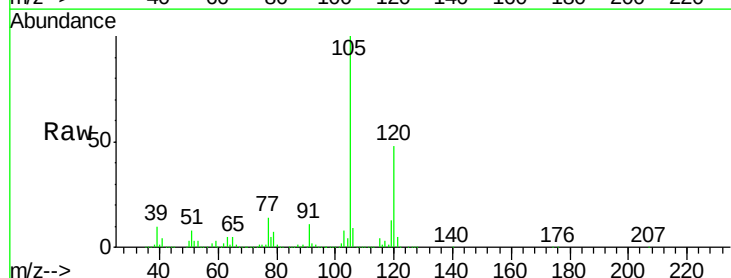
Acq: 08 Aug 2019 20:33

Tgt Ion:105 Resp: 513187

Ion Ratio Lower Upper

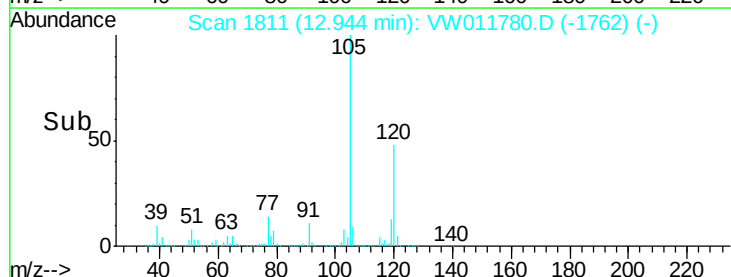
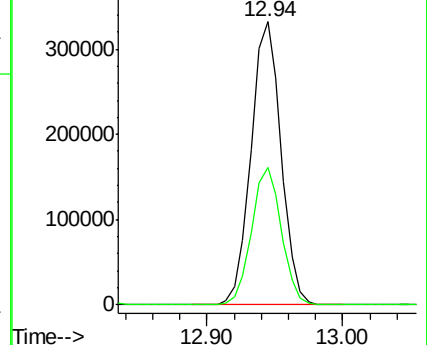
105 100

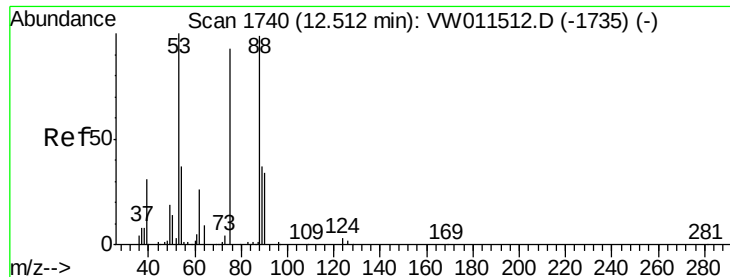
120 48.1 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 60.172 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

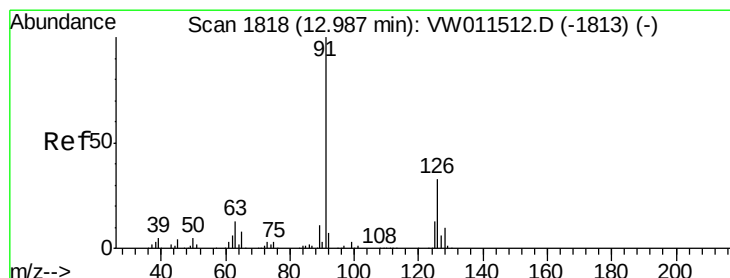
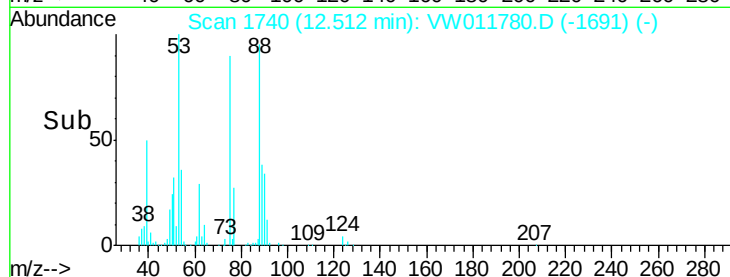
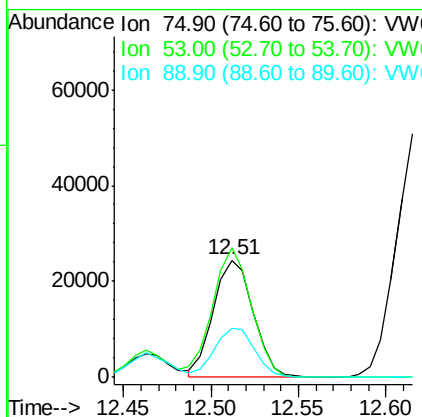
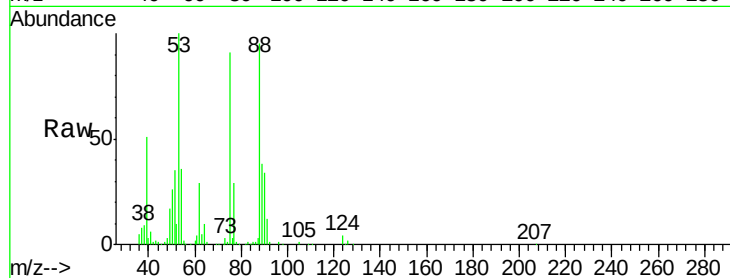
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	38521
Ion	Ratio	Lower	Upper
75	100		
53	109.6	88.0	132.0
89	42.9	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 57.703 ug/l

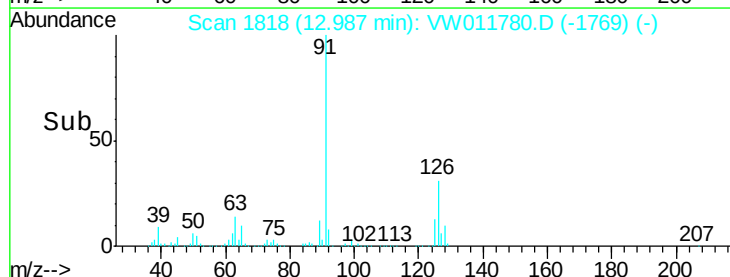
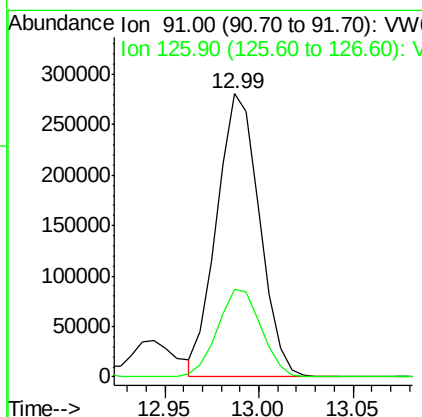
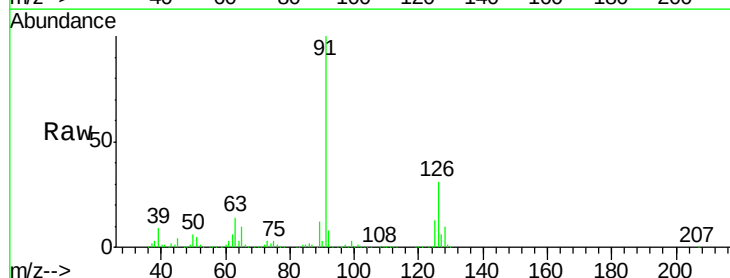
RT: 12.99 min Scan# 1818

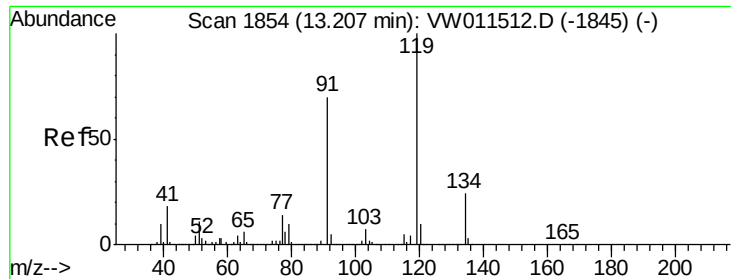
Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	91	Resp:	441555
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.6	46.8





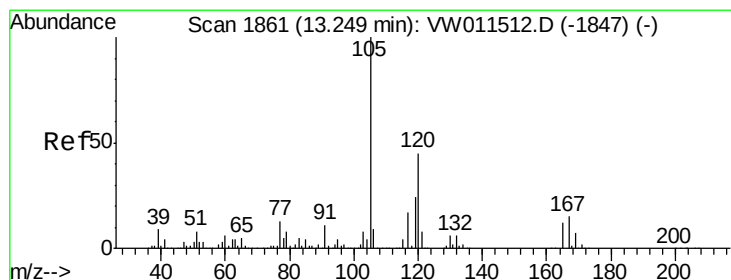
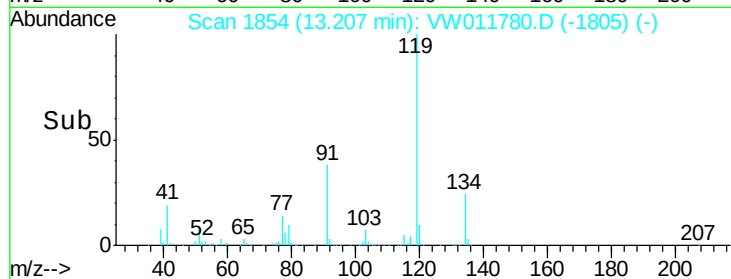
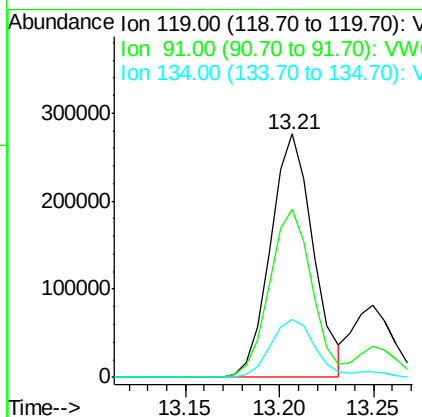
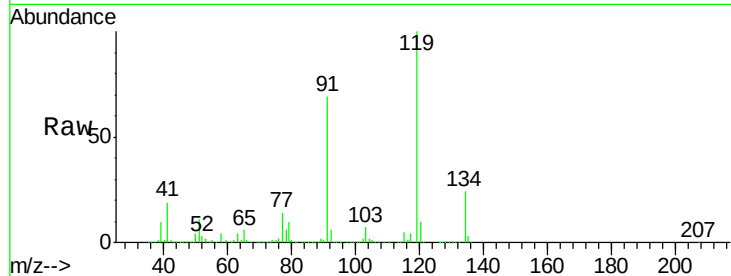
#83
 tert-Butylbenzene
 Concen: 59.455 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	433535		
91	68.7		34.5	103.6
134	24.6		12.4	37.4

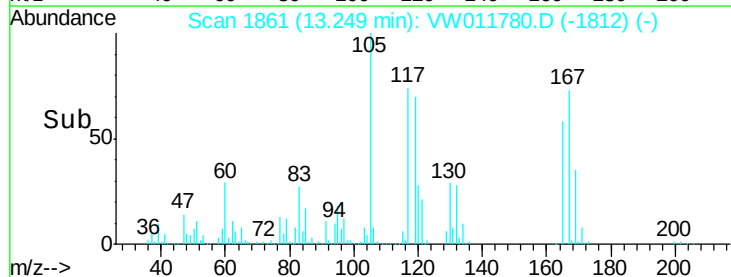
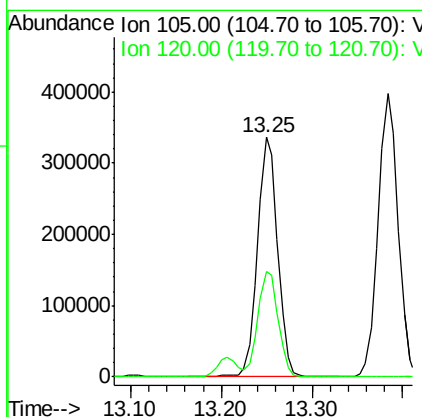
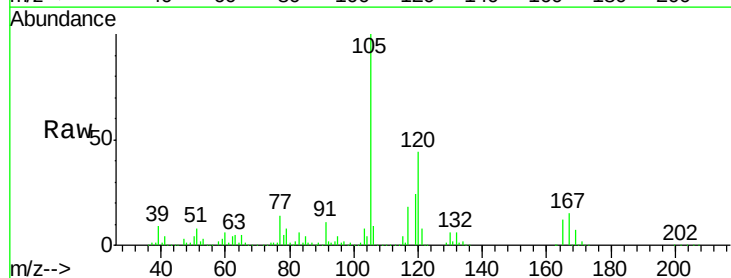
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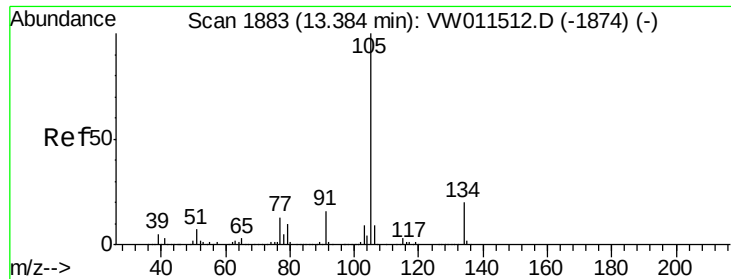
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#84
 1,2,4-Trimethylbenzene
 Concen: 58.863 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	517047		
120	44.4		22.1	66.5





#85

sec-Butylbenzene

Concen: 58.170 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 605228

Ion Ratio Lower Upper

105 100

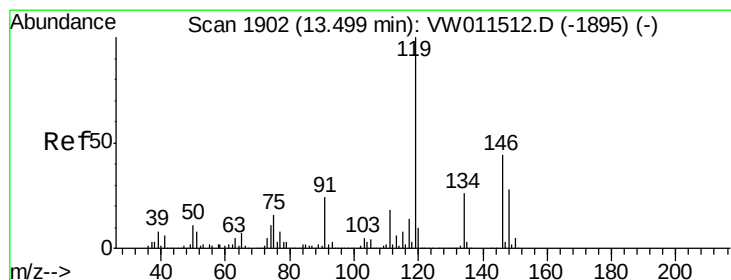
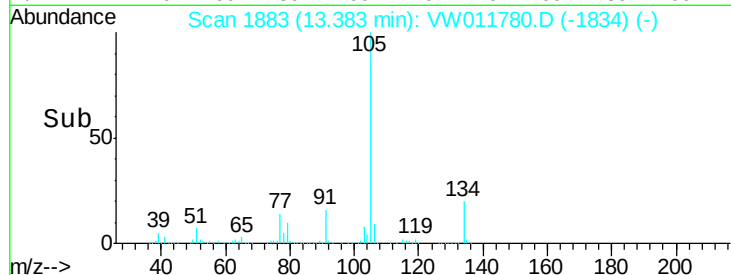
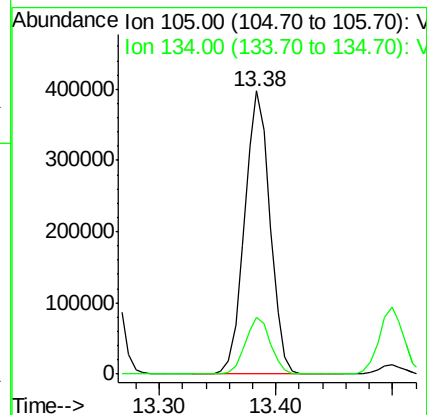
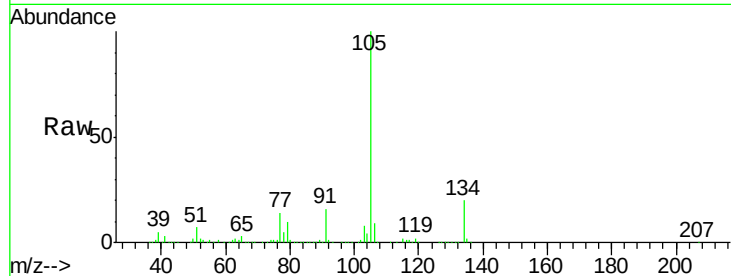
134 20.0 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 57.878 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

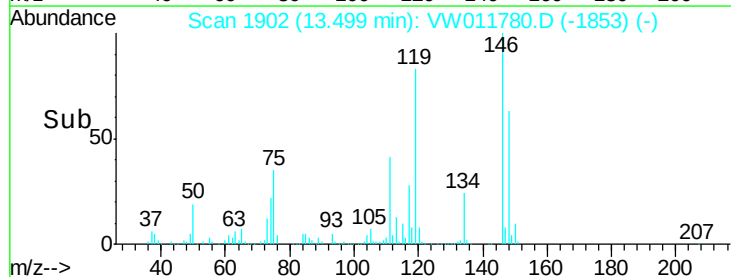
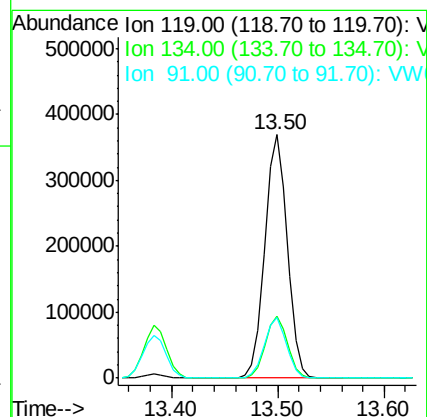
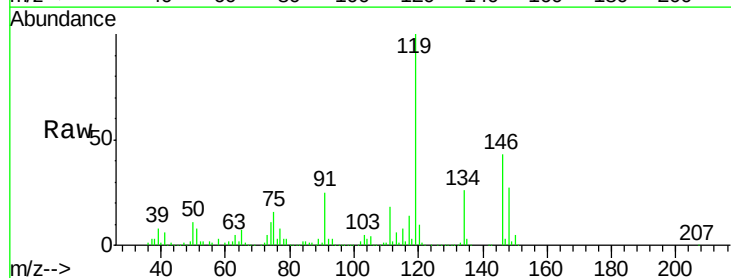
Tgt Ion:119 Resp: 546383

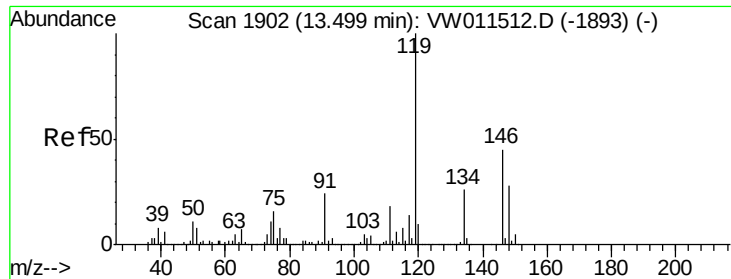
Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.4

91 24.4 12.1 36.3





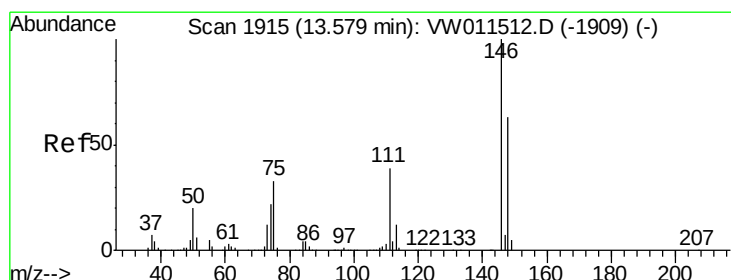
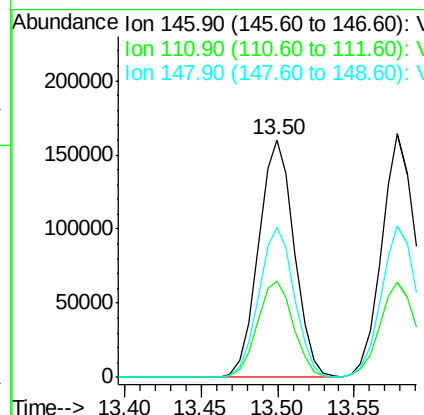
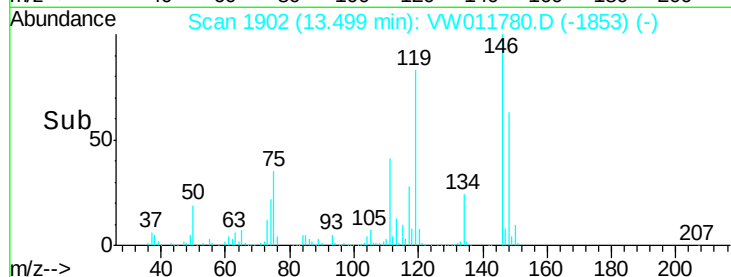
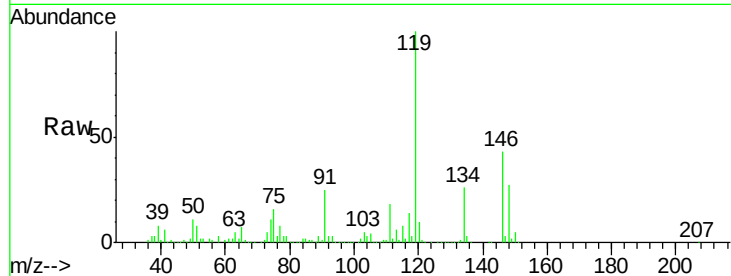
#87
 1,3-Dichlorobenzene
 Concen: 57.640 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259857		
111	41.0	20.5	61.6	
148	62.9	31.8	95.3	

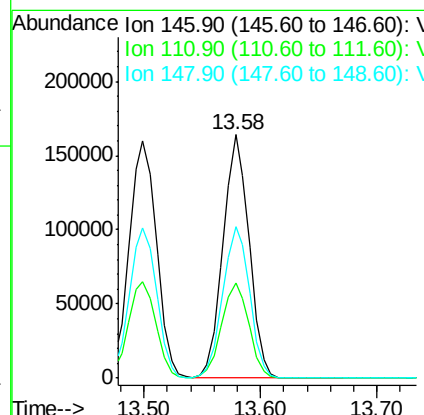
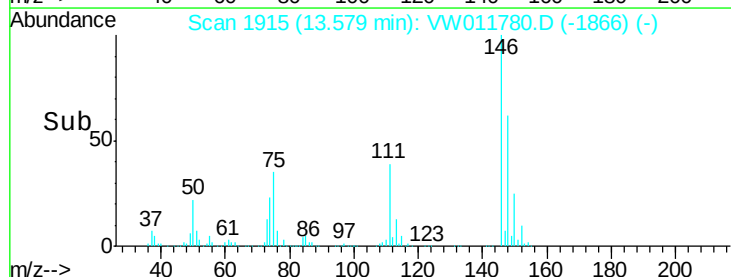
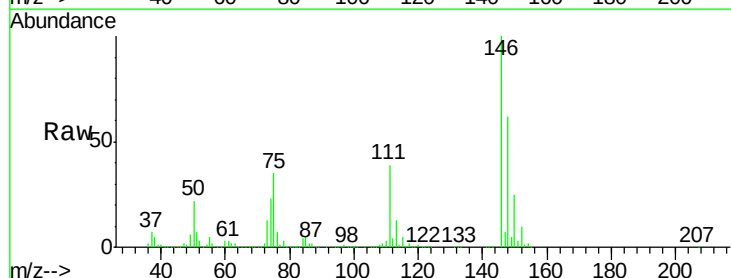
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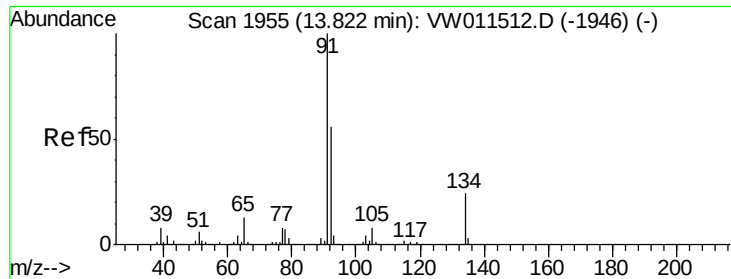
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#88
 1,4-Dichlorobenzene
 Concen: 56.476 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	253279		
111	40.8	20.1	60.2	
148	64.1	31.9	95.9	





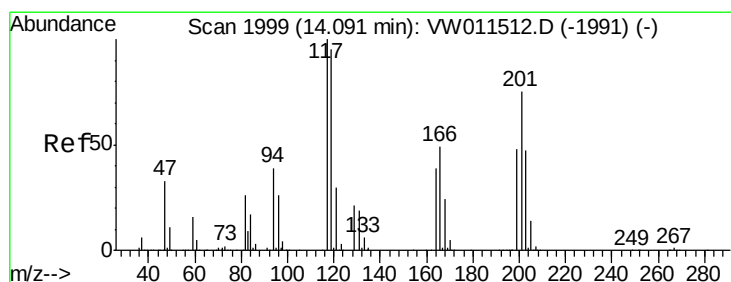
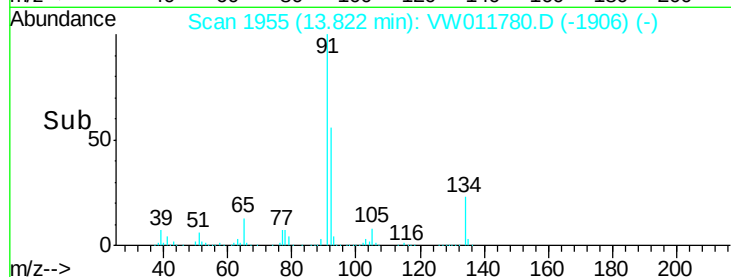
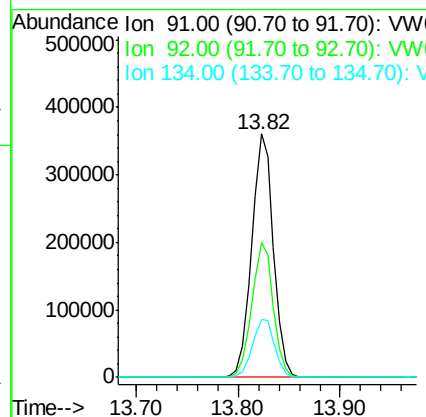
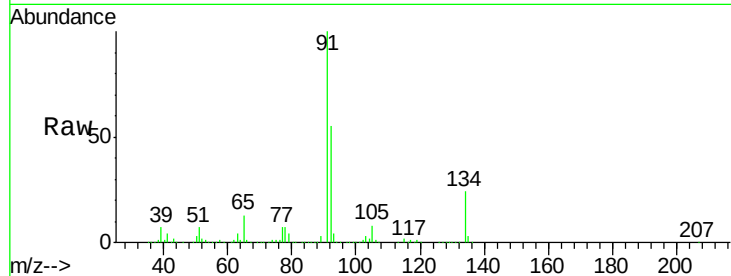
#89
n-Butylbenzene
Concen: 56.489 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	24.5	12.2	36.6

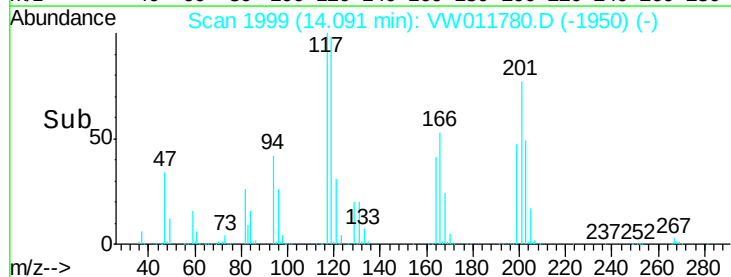
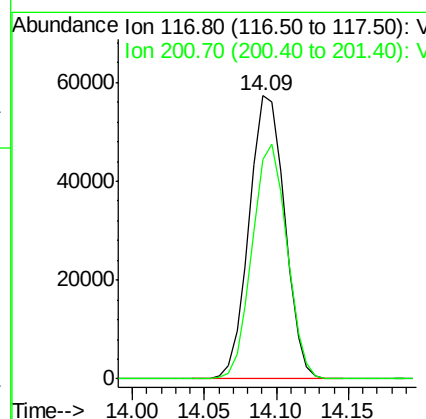
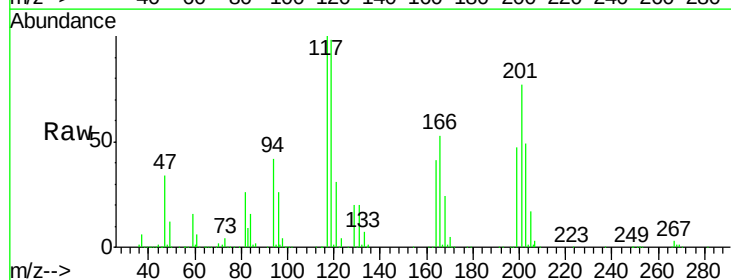
Manual Integrations
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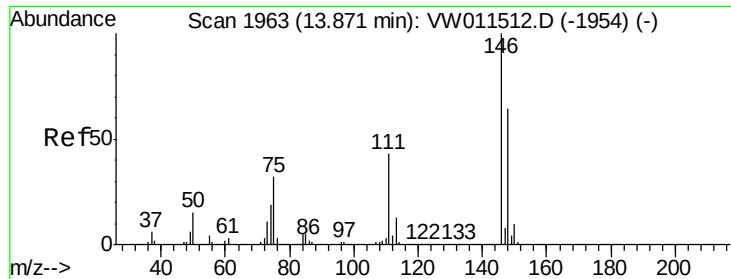
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#90
Hexachloroethane
Concen: 58.648 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011780.D
Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.8	39.4	118.2





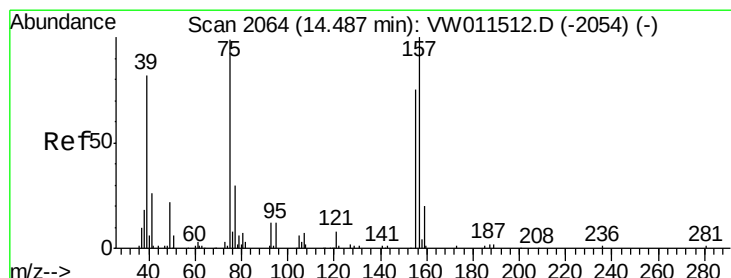
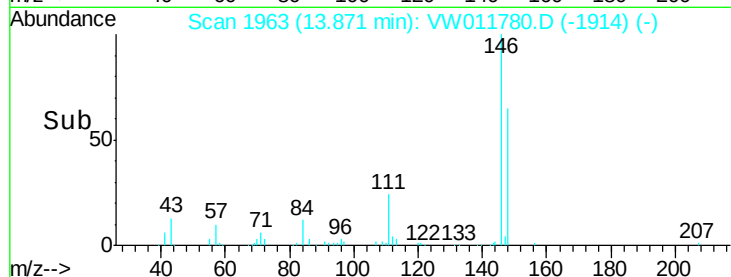
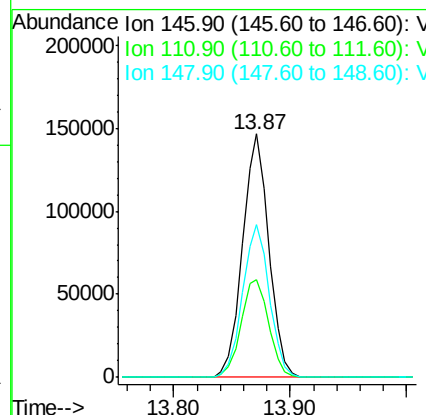
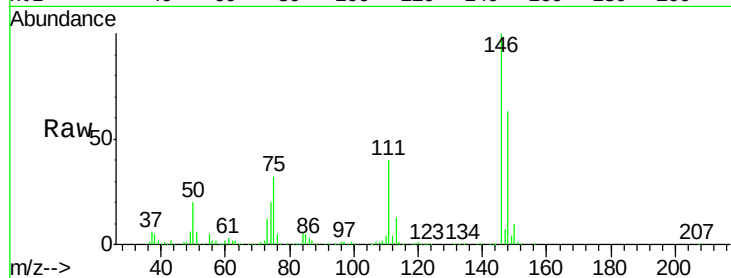
#91
 1,2-Dichlorobenzene
 Concen: 57.736 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	65.0
148	63.9	32.0	96.2

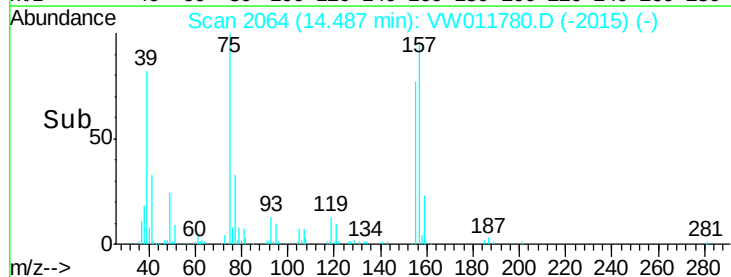
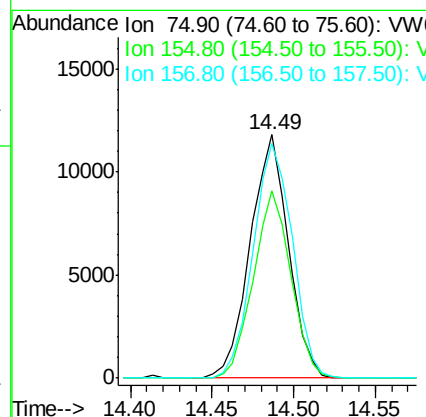
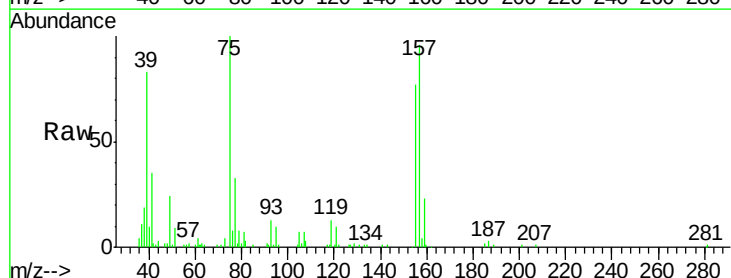
Manual Integrations
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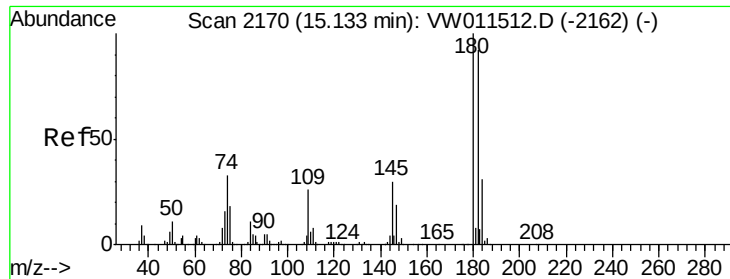
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.549 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.2	114.6
157	98.9	48.9	146.7





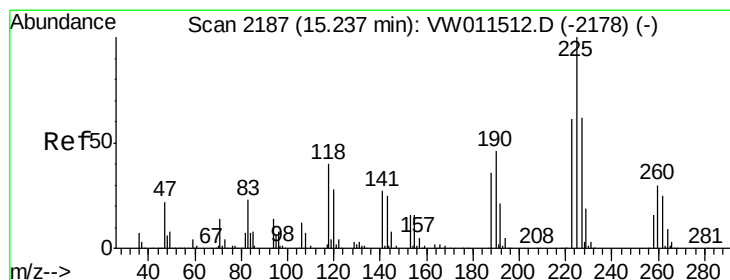
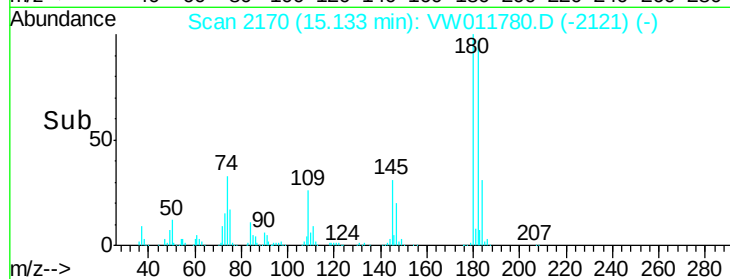
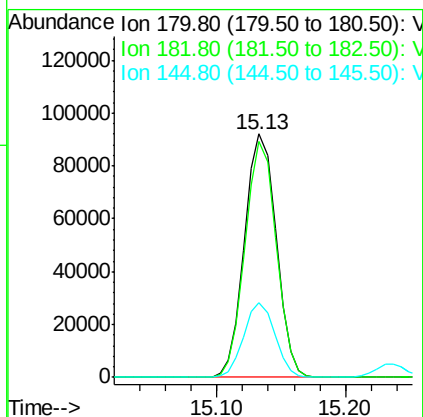
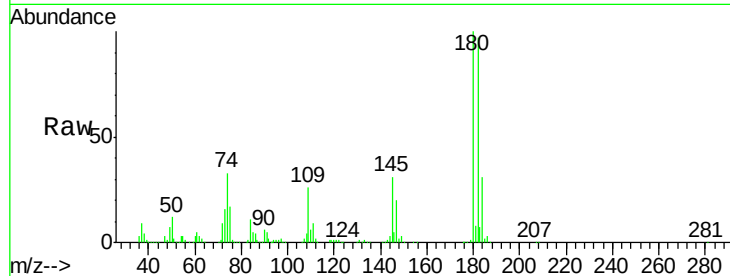
#93
 1,2,4-Trichlorobenzene
 Concen: 55.861 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156979		
182	95.2	47.4	142.2	
145	30.3	15.4	46.1	

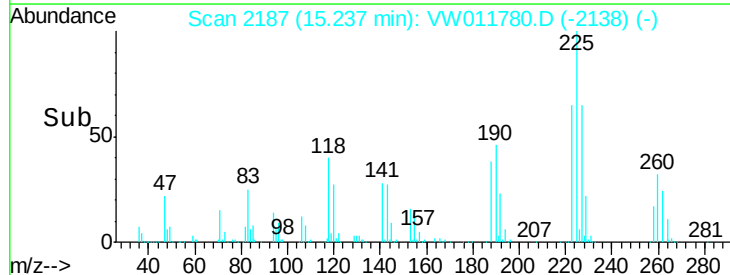
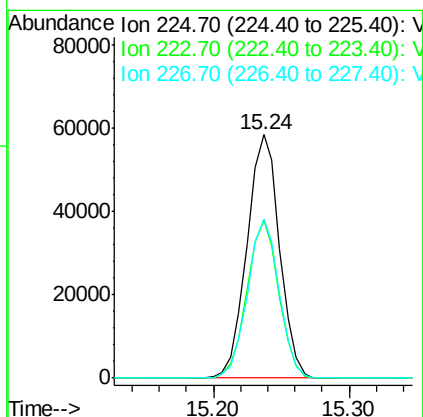
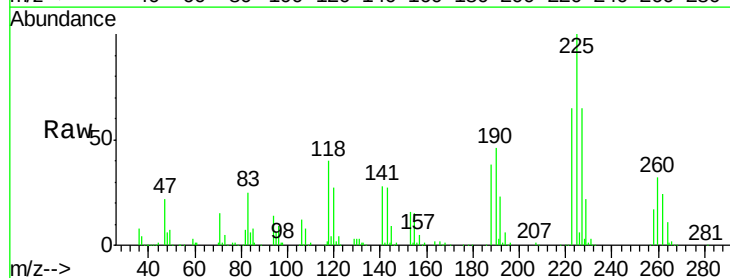
Manual Integrations
 APPROVED

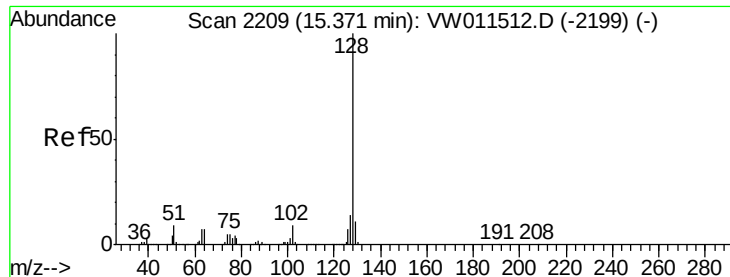
MMDadoda
 8/9/2019 10:55:11 AM



#94
 Hexachlorobutadiene
 Concen: 55.861 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011780.D
 Acq: 08 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97896		
223	63.6	30.8	92.3	
227	63.6	31.6	94.7	





#95

Naphthalene

Concen: 54.529 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Instrument :

MSVOA_W

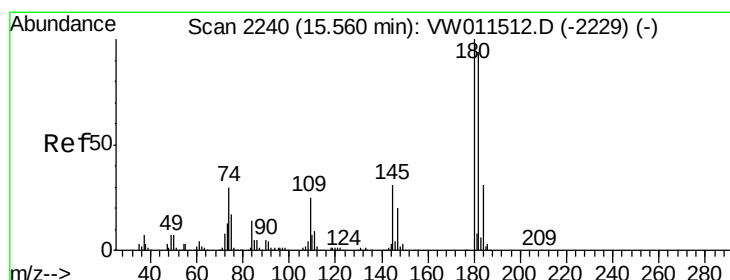
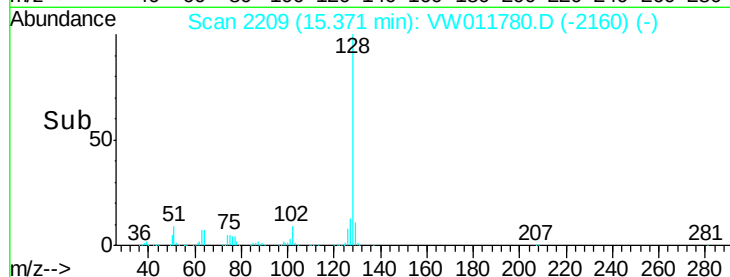
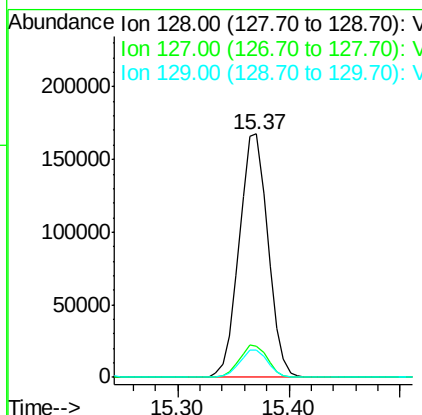
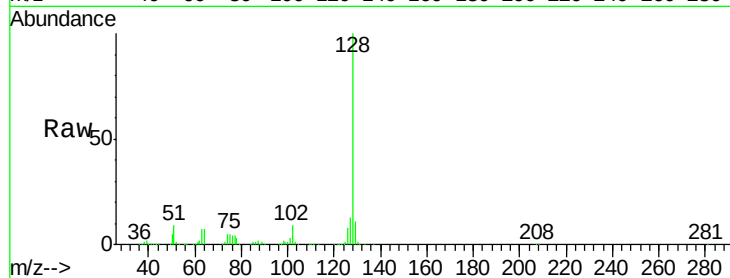
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	301243
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/9/2019 10:55:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 56.997 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011780.D

Acq: 08 Aug 2019 20:33

Tgt Ion:	180	Resp:	140400
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.4	142.2
145	31.6	15.9	47.7

