

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012364.D
 Acq On : 30 Aug 2019 22:10
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:42 AM

Quant Time: Aug 31 04:22:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	303232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126546	56.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.84%	
35) Dibromofluoromethane	7.88	113	98942	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
50) Toluene-d8	10.32	98	392155	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.62	95	139105	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61451	53.367	ug/l	97
3) Chloromethane	2.21	50	99062	55.529	ug/l	99
4) Vinyl Chloride	2.36	62	117490	53.808	ug/l	99
5) Bromomethane	2.77	94	65128	58.895	ug/l	99
6) Chloroethane	2.92	64	69625	56.525	ug/l	95
7) Trichlorofluoromethane	3.25	101	60814	55.467	ug/l	98
8) Diethyl Ether	3.68	74	60653	58.281	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	101432	54.426	ug/l	97
10) Methyl Iodide	4.27	142	145410	57.666	ug/l	100
11) Tert butyl alcohol	5.15	59	44268	330.894	ug/l	99
12) 1,1-Dichloroethene	4.04	96	103590	55.225	ug/l	93
13) Acrolein	3.89	56	32321	256.653	ug/l	99
14) Allyl chloride	4.67	41	230323	57.435	ug/l	100
15) Acrylonitrile	5.36	53	161828	313.722	ug/l	100
16) Acetone	4.12	43	152584	268.510	ug/l	99
17) Carbon Disulfide	4.38	76	303574	53.550	ug/l	100
18) Methyl Acetate	4.66	43	89598	63.658	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	187935	61.955	ug/l	99
20) Methylene Chloride	4.91	84	120014	55.866	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	112027	55.694	ug/l	97
22) Diisopropyl ether	6.31	45	441329	59.373	ug/l	98
23) Vinyl Acetate	6.25	43	1411508	308.561	ug/l	99
24) 1,1-Dichloroethane	6.21	63	231095	57.099	ug/l	100
25) 2-Butanone	7.17	43	230676	298.724	ug/l	99
26) 2,2-Dichloropropane	7.17	77	124958	54.548	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	124751	58.048	ug/l	99
28) Bromochloromethane	7.51	49	98716	55.962	ug/l #	99
29) Tetrahydrofuran	7.52	42	149689	323.100	ug/l	99
30) Chloroform	7.68	83	213562	57.676	ug/l	99
31) Cyclohexane	7.95	56	199382	49.793	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	166894	56.976	ug/l	99
36) 1,1-Dichloropropene	8.08	75	168791	53.866	ug/l	99
37) Ethyl Acetate	7.25	43	102975	59.969	ug/l	99
38) Carbon Tetrachloride	8.07	117	150642	55.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	185274	52.630	ug/l	98
40) Benzene	8.32	78	474179	55.418	ug/l	99
41) Methacrylonitrile	7.48	41	57966	57.436	ug/l	95
42) 1,2-Dichloroethane	8.40	62	158679	59.172	ug/l	99
43) Isopropyl Acetate	8.42	43	197166	61.989	ug/l	99
44) Trichloroethene	9.09	130	114918	55.248	ug/l	99
45) 1,2-Dichloropropane	9.37	63	130488	56.665	ug/l	98
46) Dibromomethane	9.46	93	59938	58.500	ug/l	99
47) Bromodichloromethane	9.65	83	159799	58.602	ug/l	97
48) Methyl methacrylate	9.43	41	93731	61.916	ug/l	96
49) 1,4-Dioxane	9.45	88	19179	1222.755	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	510999	315.862	ug/l	99
52) Toluene	10.38	92	288595	56.145	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	164649	59.277	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	193773	57.777	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	84838	58.524	ug/l	97
56) Ethyl methacrylate	10.65	69	129286	61.278	ug/l	97
57) 1,3-Dichloropropane	10.93	76	162152	59.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	312874	288.947	ug/l	100
59) 2-Hexanone	10.97	43	348023	304.032	ug/l	100
60) Dibromochloromethane	11.13	129	96589	59.820	ug/l	100
61) 1,2-Dibromoethane	11.23	107	80544	59.639	ug/l	99
64) Tetrachloroethene	10.86	164	94622	54.781	ug/l	98
65) Chlorobenzene	11.66	112	290965	55.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	106305	58.085	ug/l	99
67) Ethyl Benzene	11.73	91	563600	55.771	ug/l	98
68) m/p-Xylenes	11.84	106	404444	111.105	ug/l	100
69) o-Xylene	12.16	106	189244	56.170	ug/l	99
70) Styrene	12.18	104	334209	57.310	ug/l	99
71) Bromoform	12.35	173	55461	60.824	ug/l #	99
73) Isopropylbenzene	12.46	105	532995	55.841	ug/l	100
74) N-amyl acetate	12.27	43	178002	61.725	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	102940	58.827	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	71135m	57.339	ug/l	
77) Bromobenzene	12.74	156	116229	56.287	ug/l	99
78) n-propylbenzene	12.80	91	645871	55.428	ug/l	99
79) 2-Chlorotoluene	12.89	91	367834	55.601	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	451584	56.620	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	33516	59.233	ug/l	99
82) 4-Chlorotoluene	12.99	91	383726	55.396	ug/l	100
83) tert-Butylbenzene	13.21	119	384700	56.941	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	449596	56.117	ug/l	100
85) sec-Butylbenzene	13.38	105	533046	55.071	ug/l	100
86) p-Isopropyltoluene	13.50	119	480642	55.603	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	224944	55.694	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	223261	55.671	ug/l	100
89) n-Butylbenzene	13.82	91	478181	55.628	ug/l	100
90) Hexachloroethane	14.09	117	86860	57.273	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	203000	57.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18249	61.861	ug/l	98

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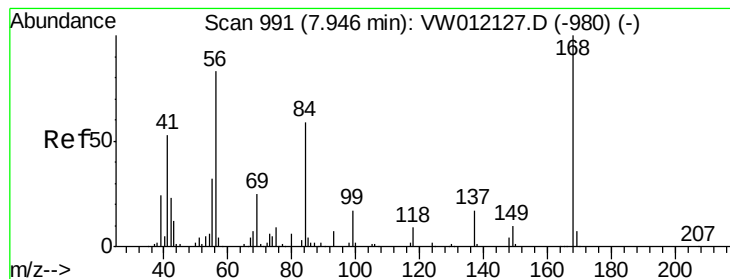
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	142687	58.273	ug/l	100
94) Hexachlorobutadiene	15.24	225	92695	57.333	ug/l	98
95) Naphthalene	15.36	128	278149	57.208	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	126303	59.122	ug/l	98

(#) = 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: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 187008

Ion Ratio Lower Upper

168 100

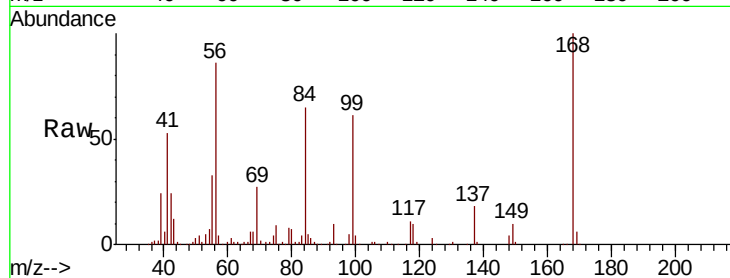
99 60.6 49.2 73.8

Manual Integrations

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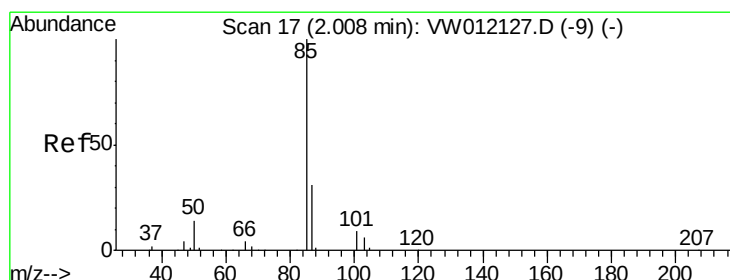
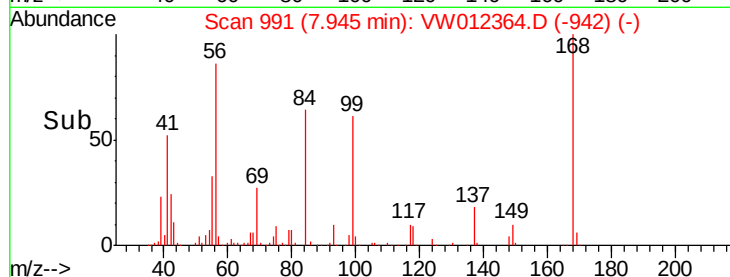
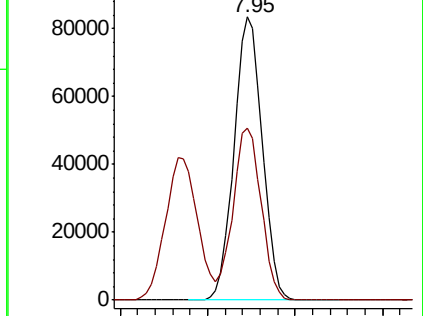
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 53.367 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012364.D

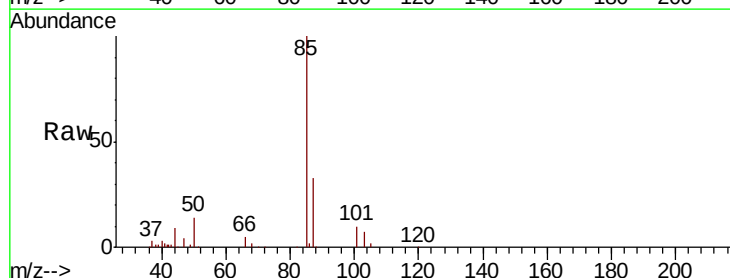
Acq: 30 Aug 2019 22:10

Tgt Ion: 85 Resp: 61451

Ion Ratio Lower Upper

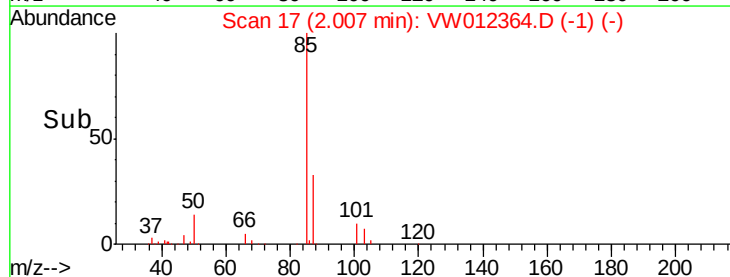
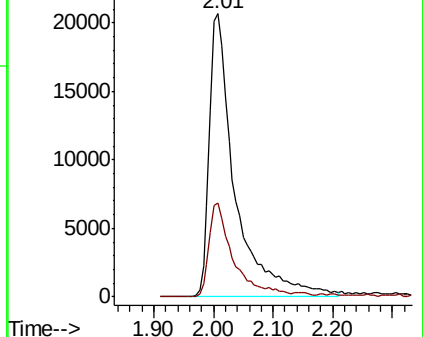
85 100

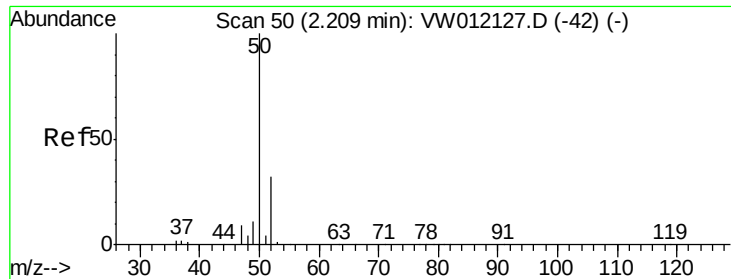
87 33.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.529 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 99062

Ion Ratio Lower Upper

50 100

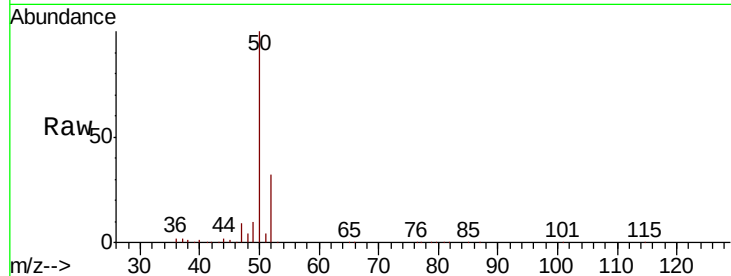
52 32.5 25.5 38.3

Manual Integrations

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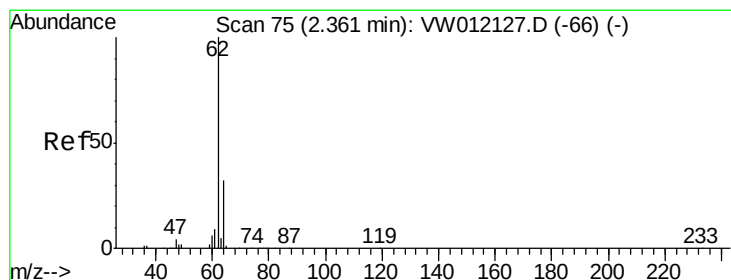
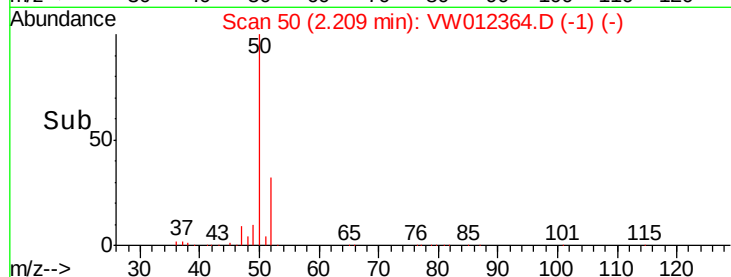
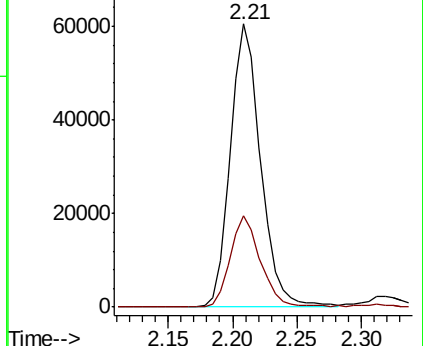
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 53.808 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012364.D

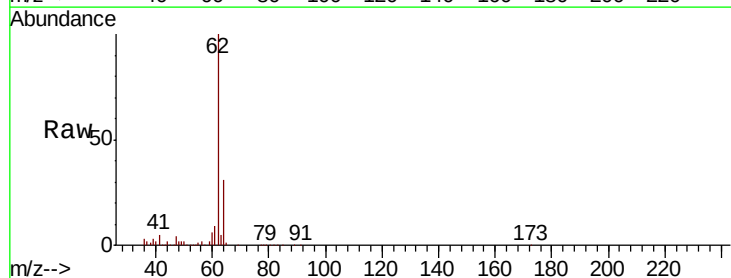
Acq: 30 Aug 2019 22:10

Tgt Ion: 62 Resp: 117490

Ion Ratio Lower Upper

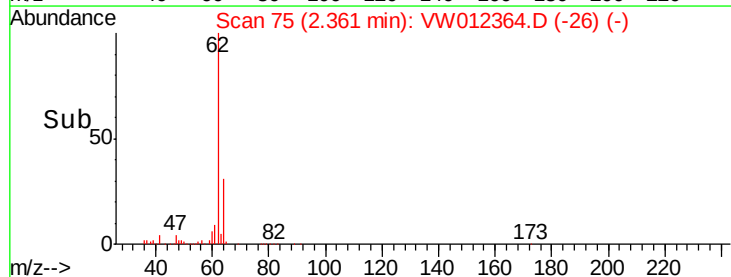
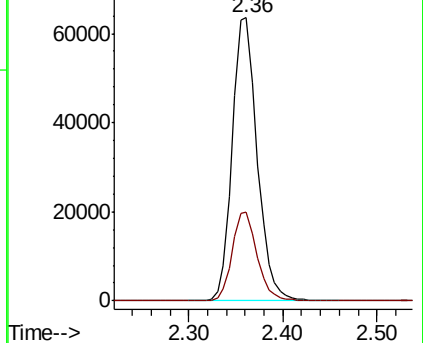
62 100

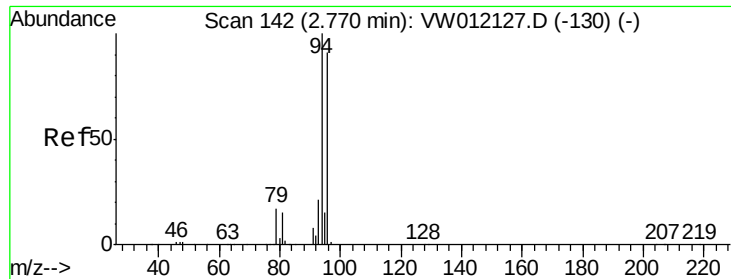
64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 58.895 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65128

Ion Ratio Lower Upper

94 100

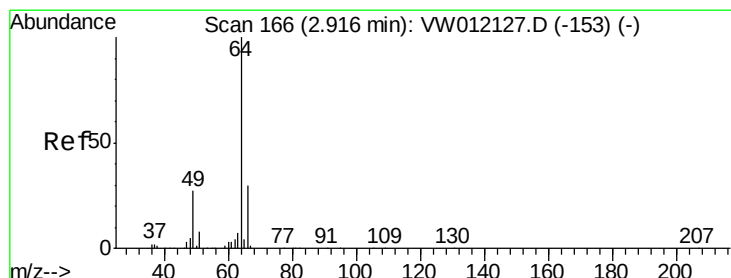
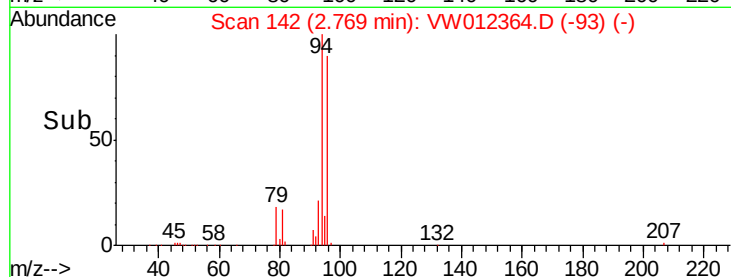
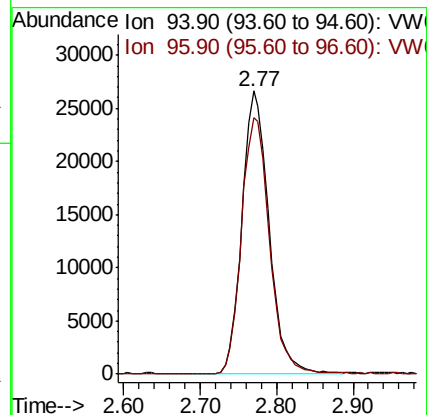
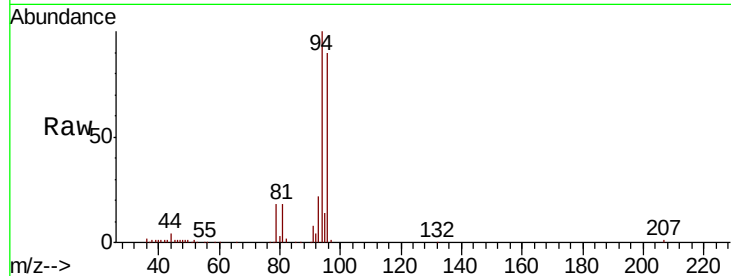
96 90.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 56.525 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012364.D

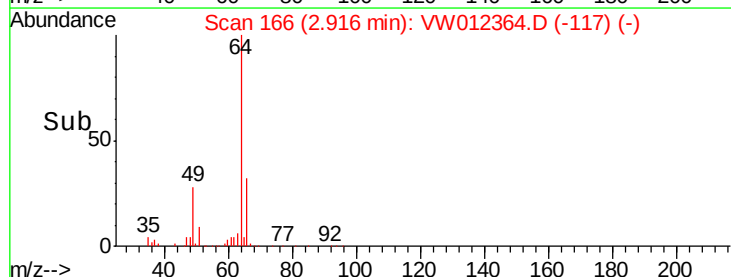
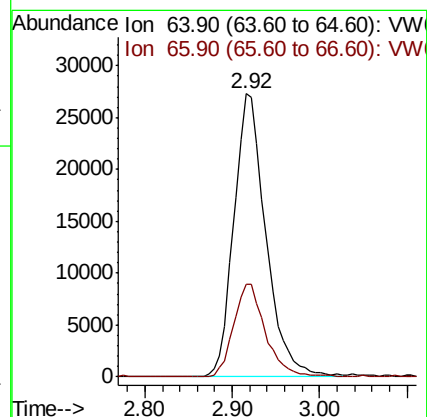
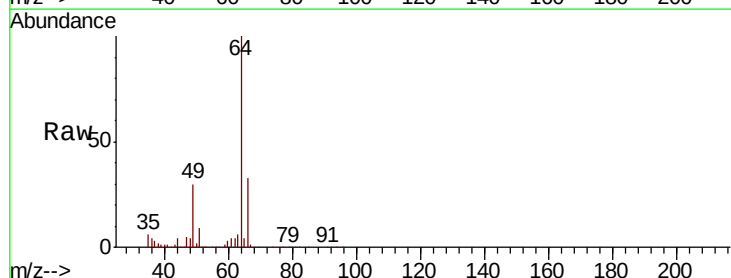
Acq: 30 Aug 2019 22:10

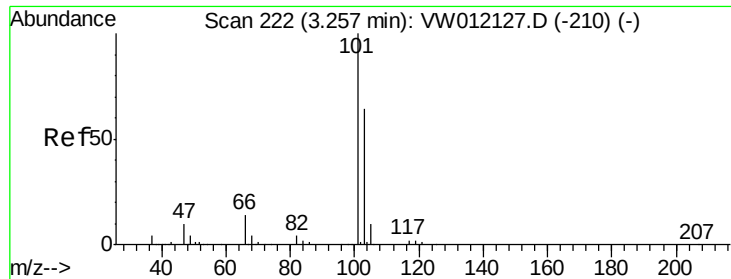
Tgt Ion: 64 Resp: 69625

Ion Ratio Lower Upper

64 100

66 32.6 23.8 35.8





#7

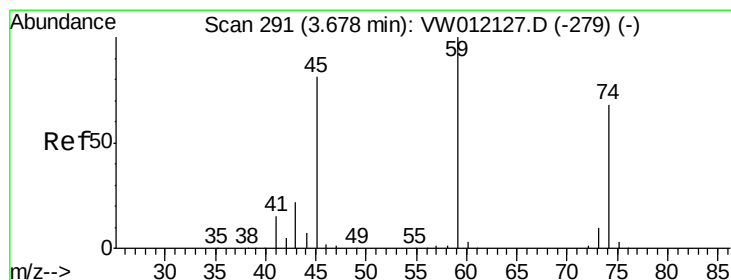
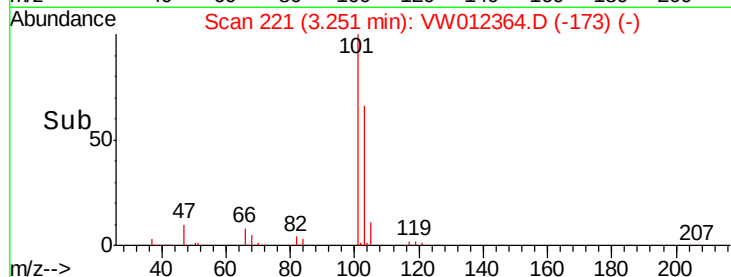
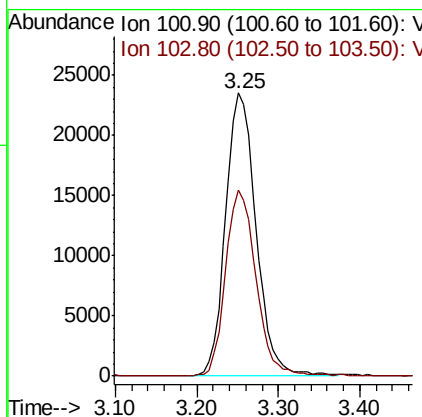
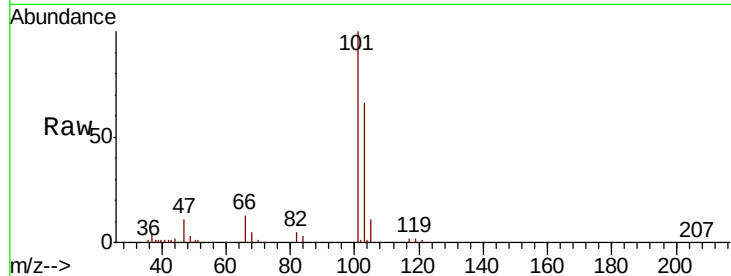
Trichlorofluoromethane
 Concen: 55.467 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012364.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.2	76.8

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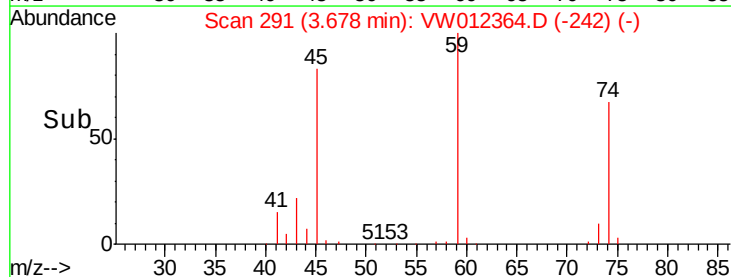
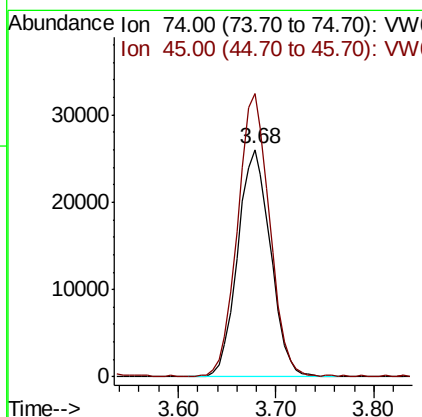
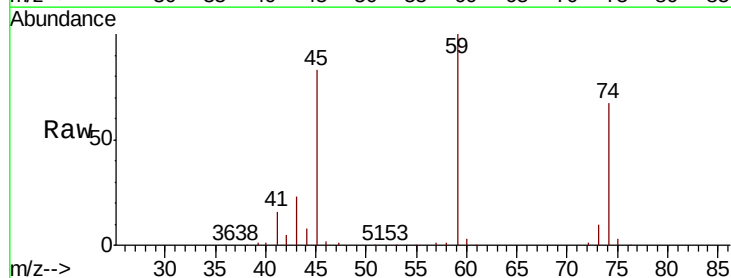
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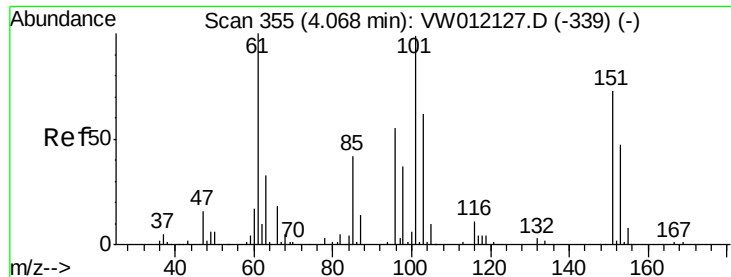


#8

Diethyl Ether
 Concen: 58.281 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.7	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.426 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012364.D

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Instrument :

MSVOA_W

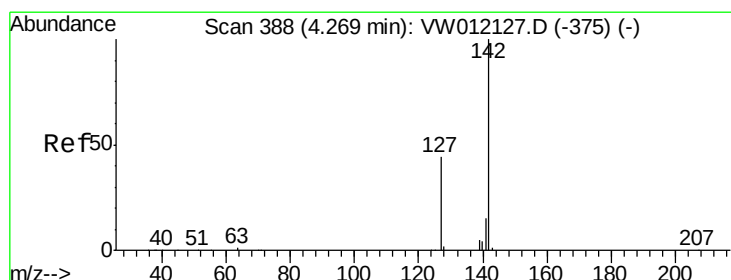
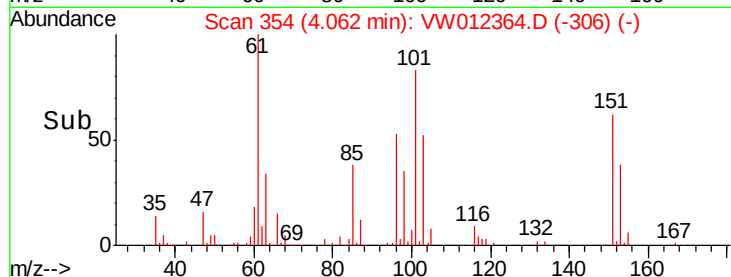
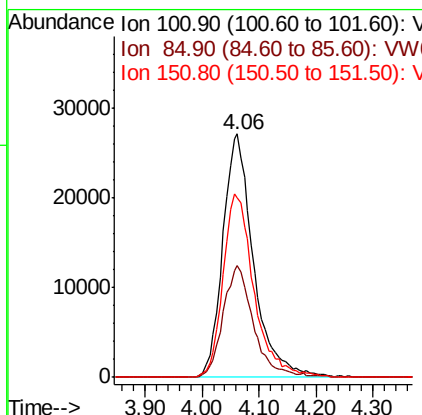
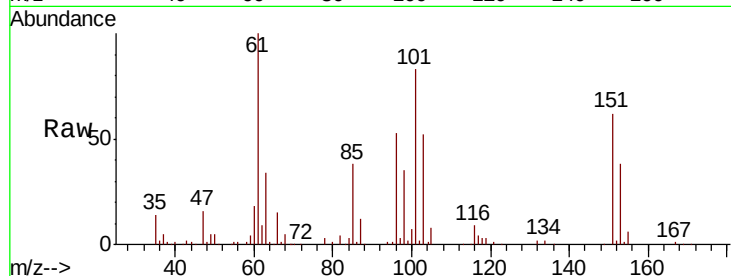
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	101432
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.6
151	76.5	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 57.666 ug/l

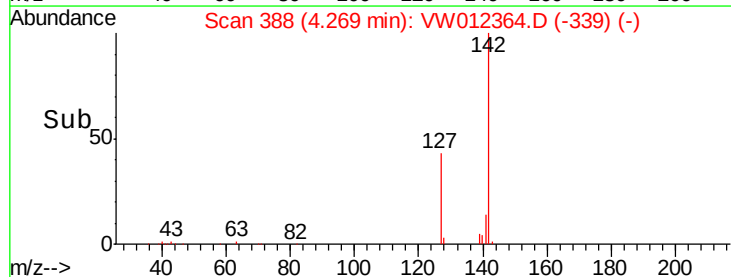
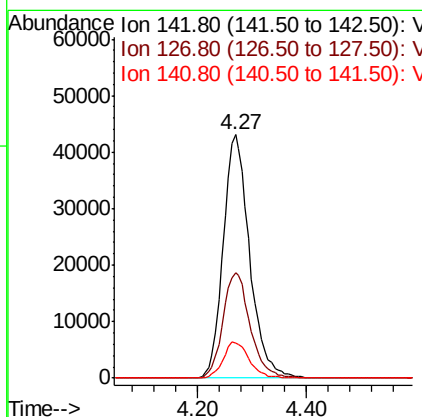
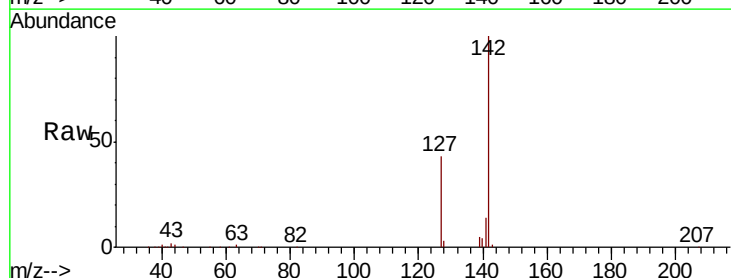
RT: 4.27 min Scan# 388

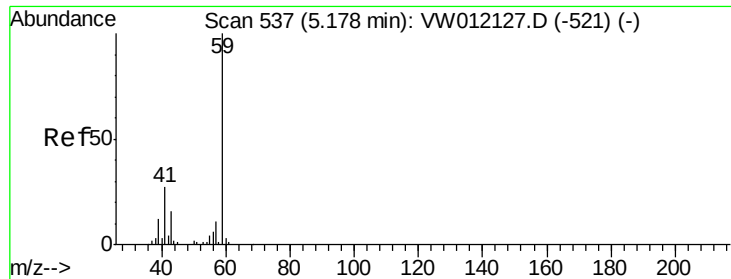
Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	142	Resp:	145410
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.5	53.3
141	14.7	11.8	17.8





#11

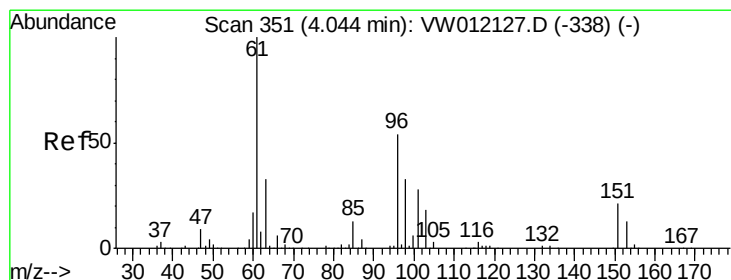
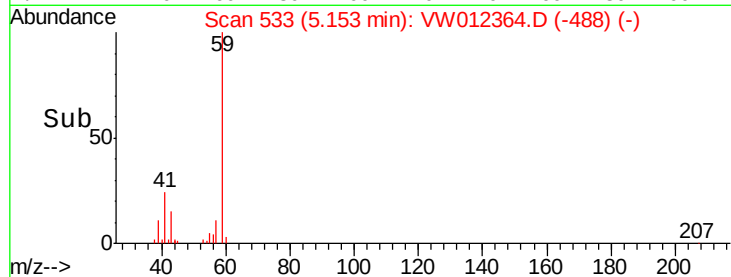
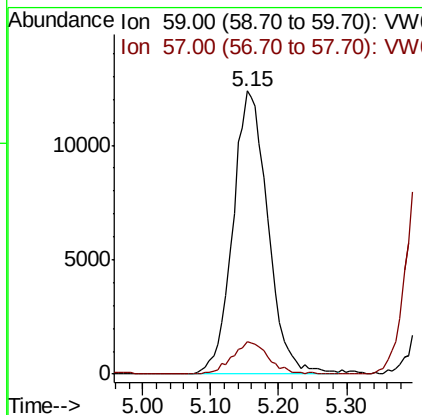
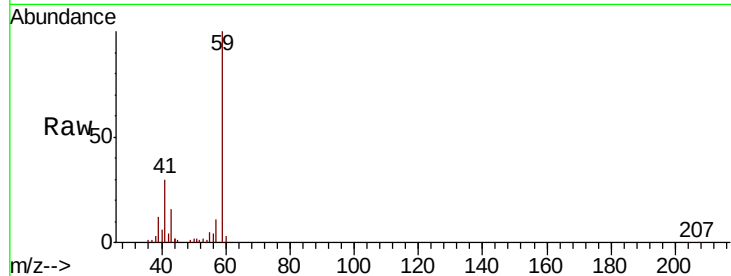
Tert butyl alcohol
Concen: 330.894 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.0	13.4

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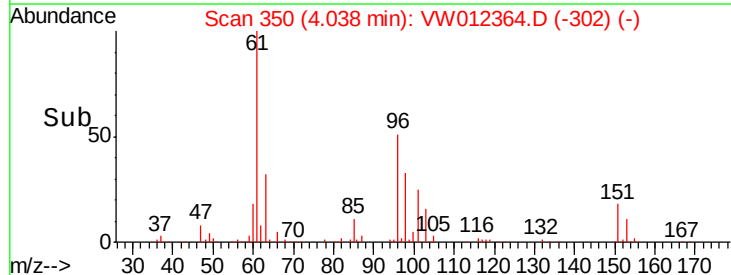
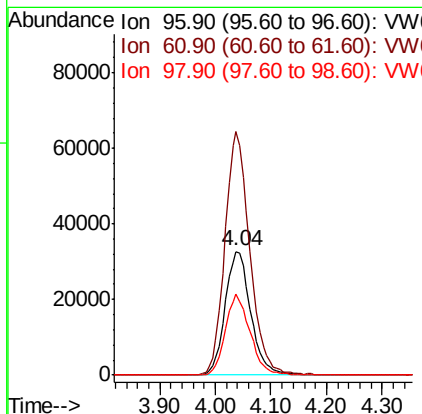
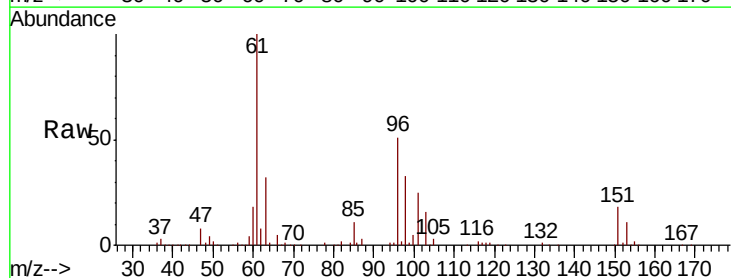
MMDadoda
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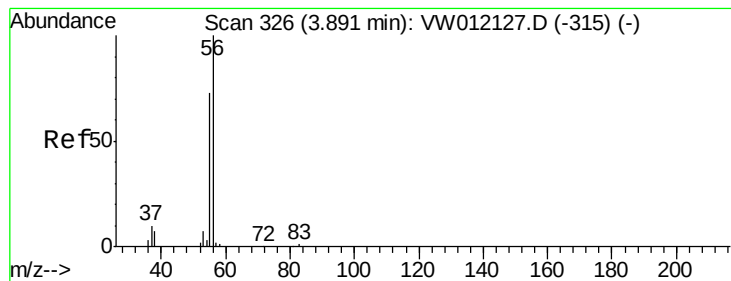


#12

1,1-Dichloroethene
Concen: 55.225 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.4	149.1	223.7
98	65.3	49.4	74.2





#13

Acrolein

Concen: 256.653 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 32321

Ion Ratio Lower Upper

56 100

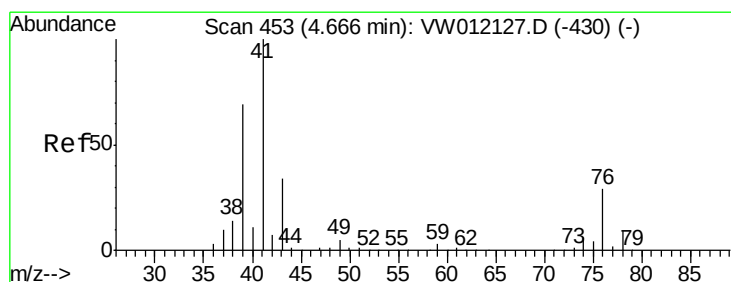
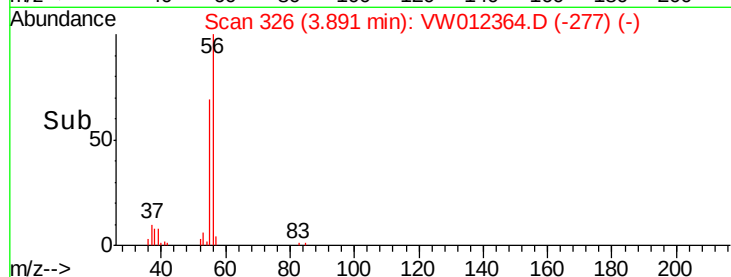
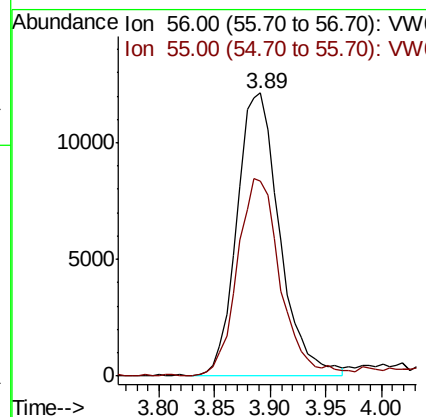
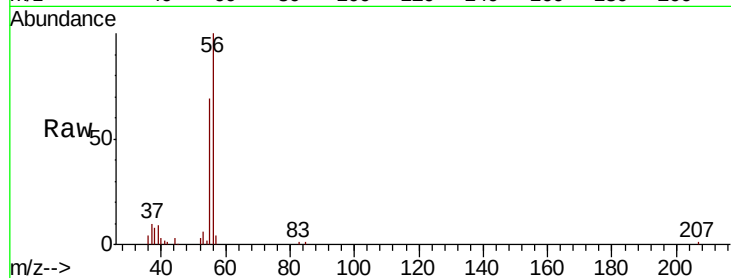
55 70.8 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 57.435 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

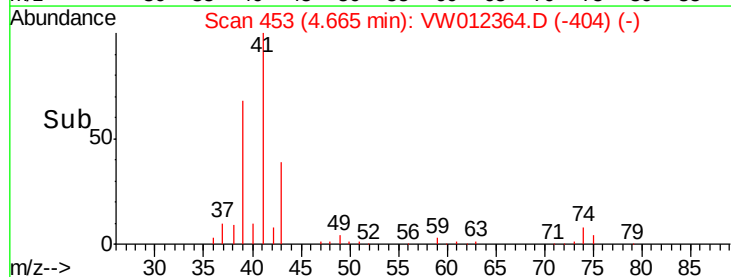
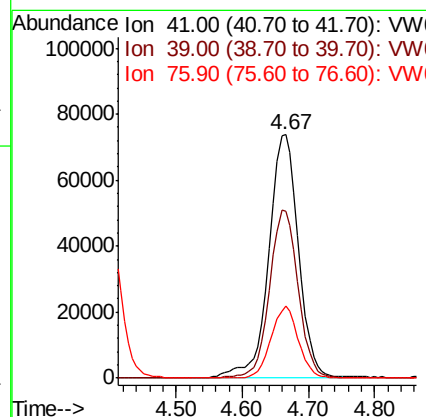
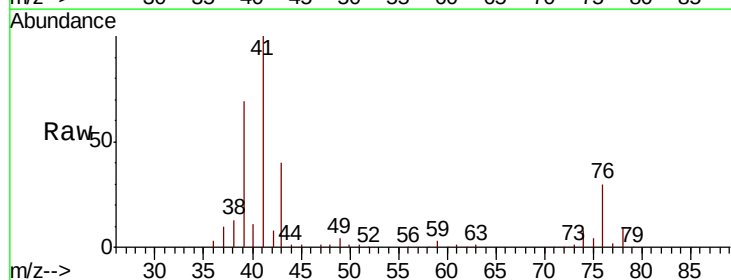
Tgt Ion: 41 Resp: 230323

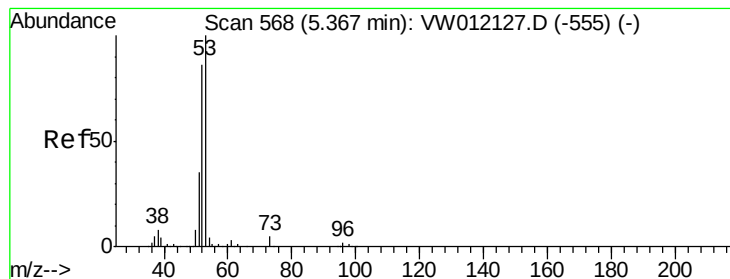
Ion Ratio Lower Upper

41 100

39 66.9 53.4 80.2

76 27.1 22.1 33.1





#15

Acrylonitrile

Concen: 313.722 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

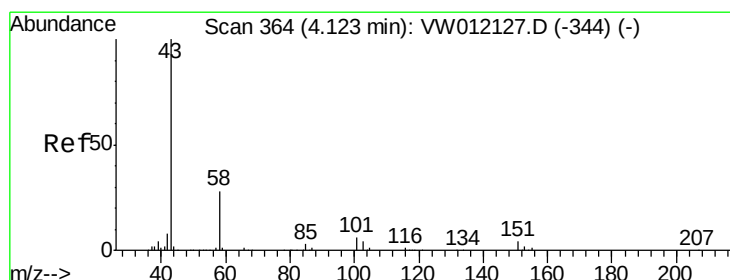
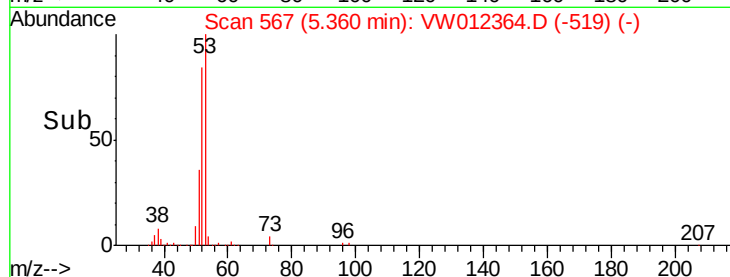
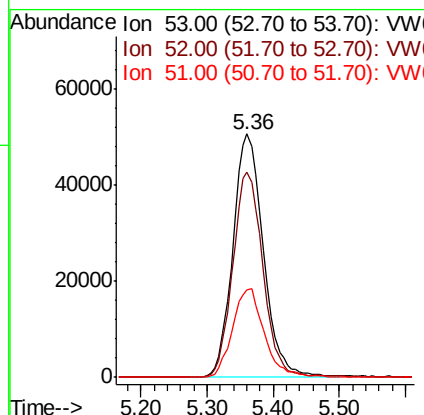
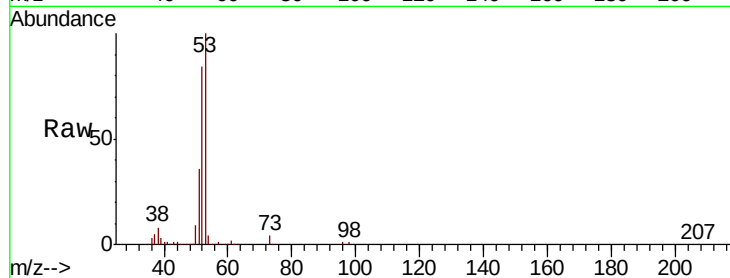
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	161828
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	38.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 268.510 ug/l

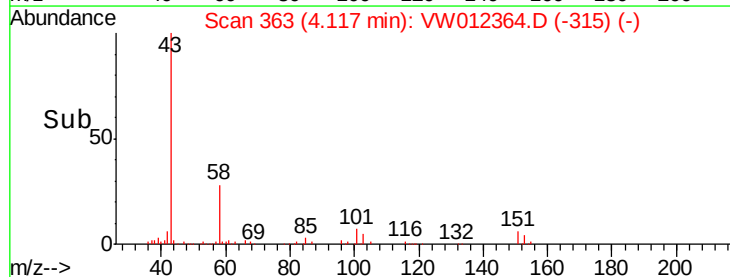
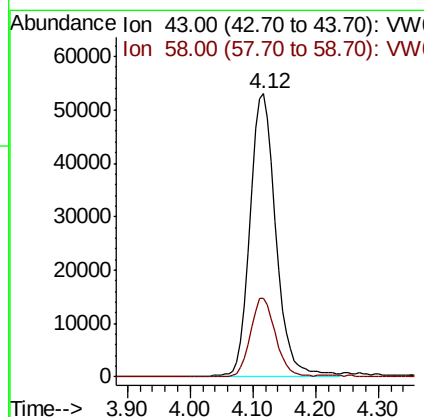
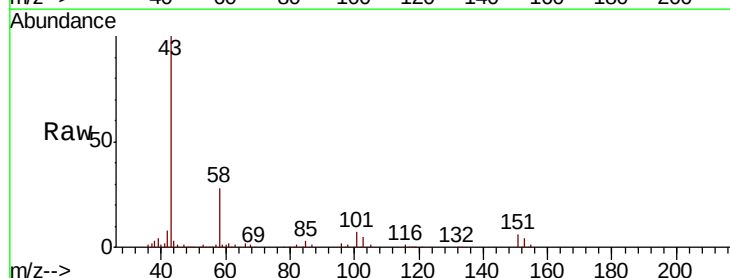
RT: 4.12 min Scan# 363

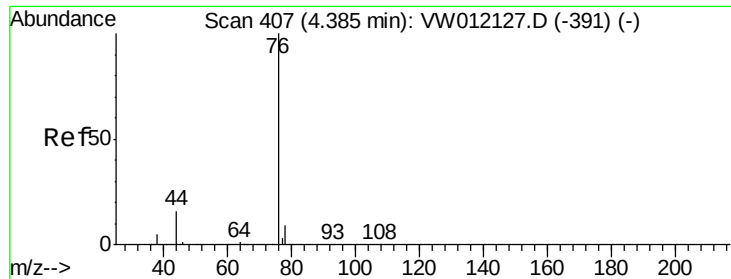
Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	43	Resp:	152584
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.4	33.6





#17

Carbon Disulfide

Concen: 53.550 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 303574

Ion Ratio Lower Upper

76 100

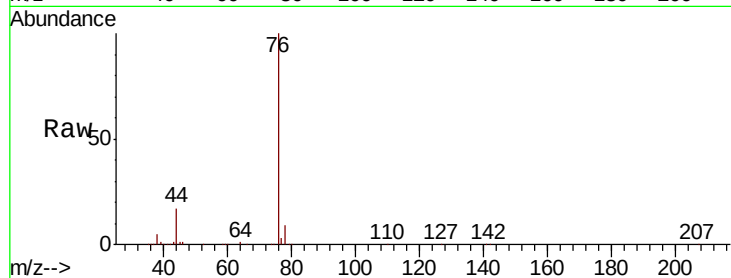
78 8.9 7.3 10.9

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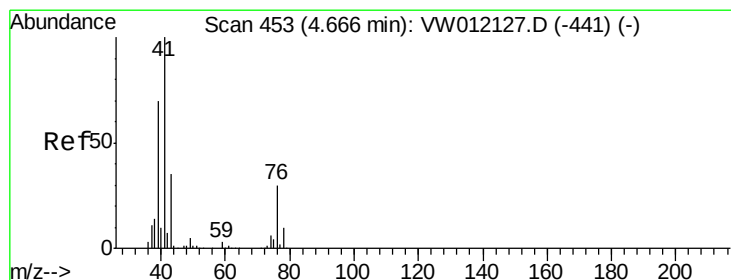
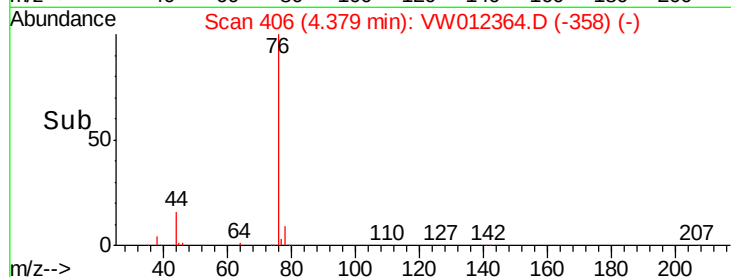
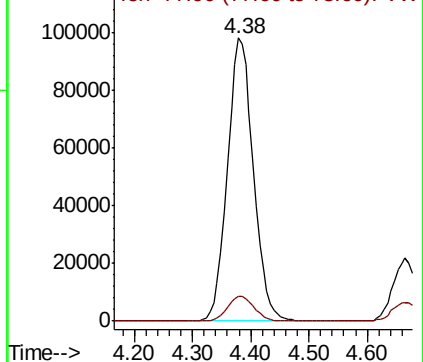
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 63.658 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012364.D

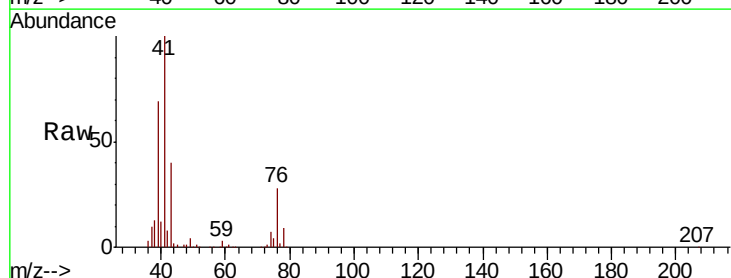
Acq: 30 Aug 2019 22:10

Tgt Ion: 43 Resp: 89598

Ion Ratio Lower Upper

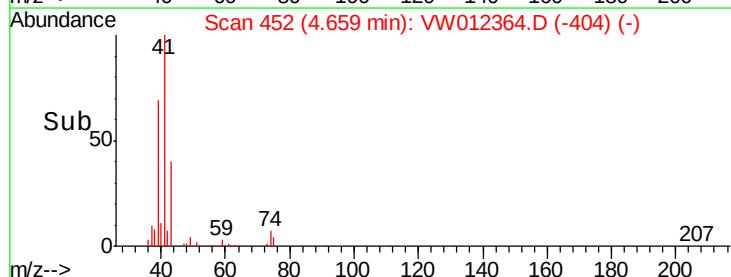
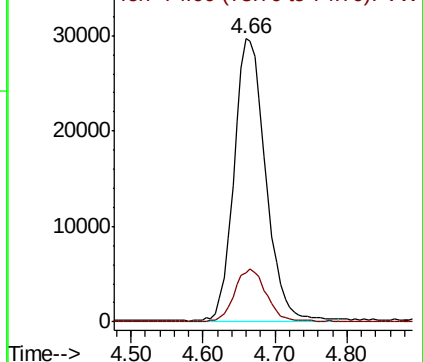
43 100

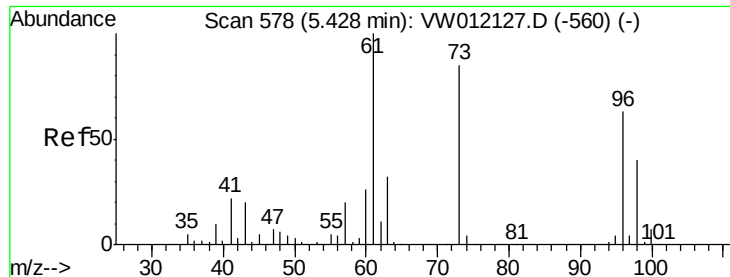
74 18.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





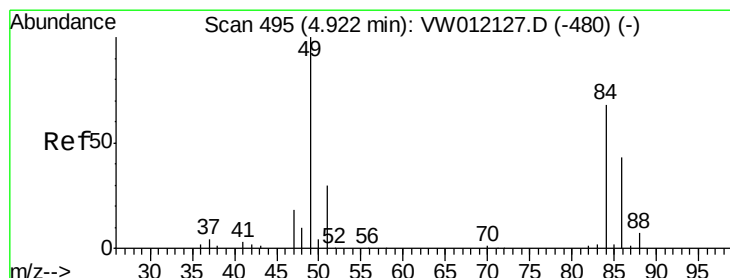
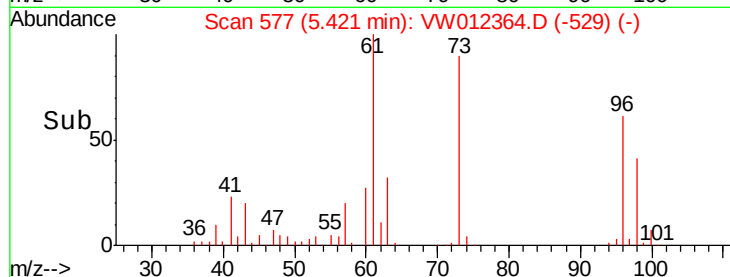
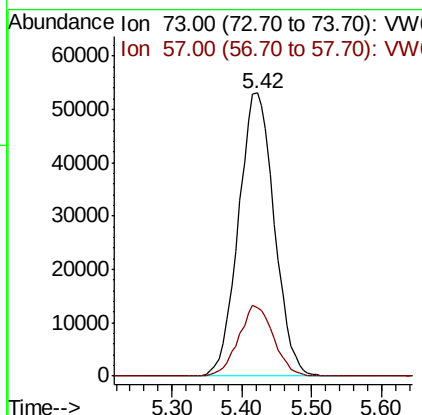
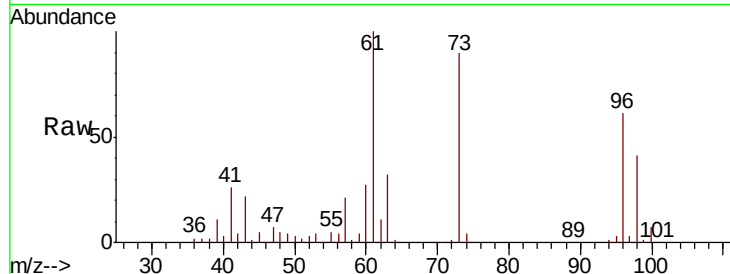
#19
Methyl tert-butyl Ether
Concen: 61.955 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 187935
Ion Ratio Lower Upper
73 100
57 24.0 18.9 28.3

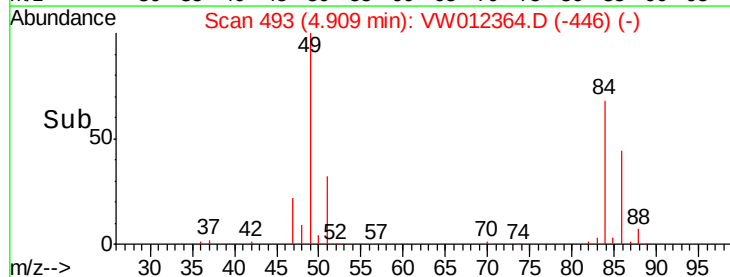
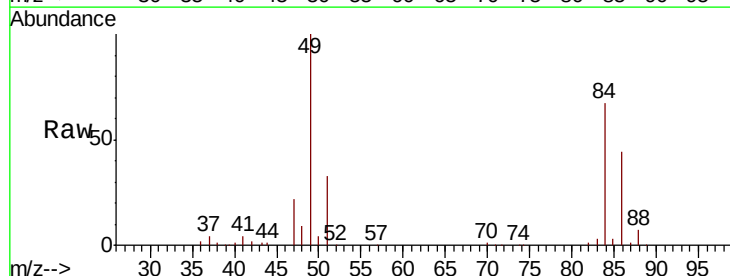
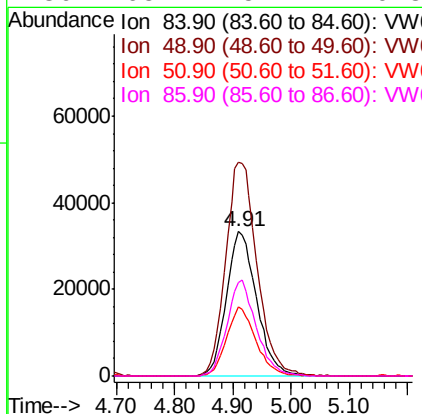
Manual Integrations
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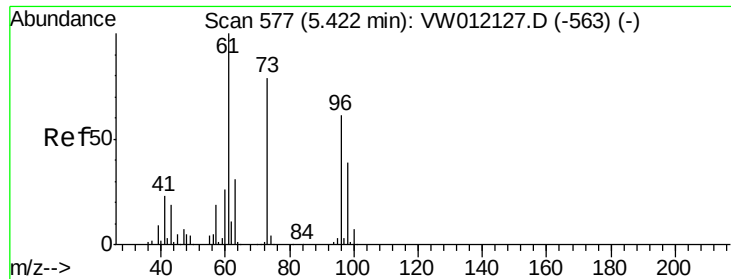
MMDadoda
8/31/2019 9:11:42 AM



#20
Methylene Chloride
Concen: 55.866 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion: 84 Resp: 120014
Ion Ratio Lower Upper
84 100
49 148.3 117.8 176.8
51 48.2 35.6 53.4
86 65.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 55.694 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

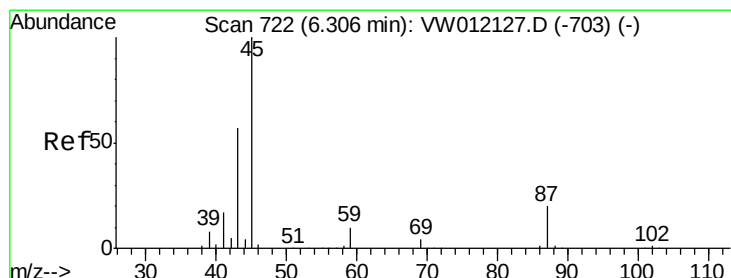
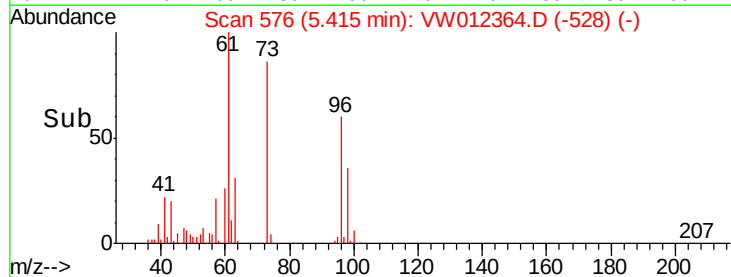
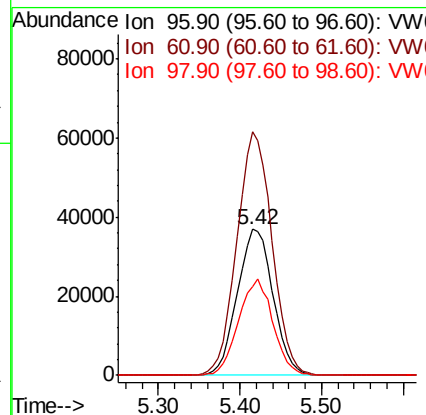
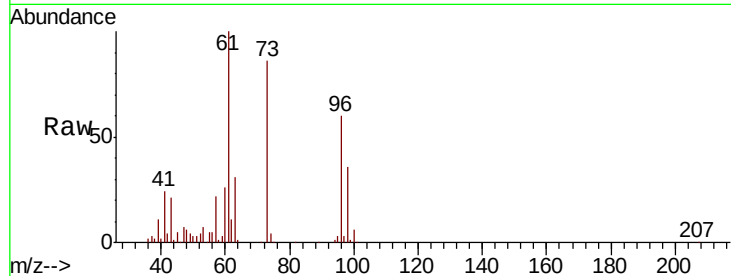
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	112027
Ion	Ratio	Lower	Upper
96	100		
61	166.8	131.4	197.0
98	60.8	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 59.373 ug/l

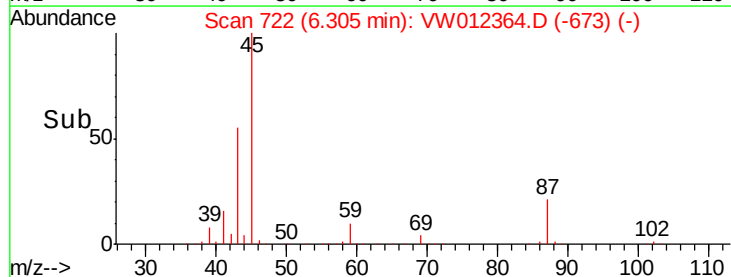
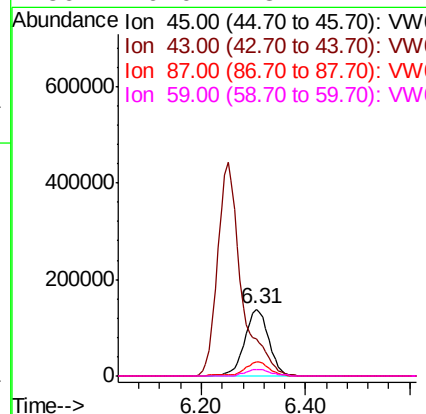
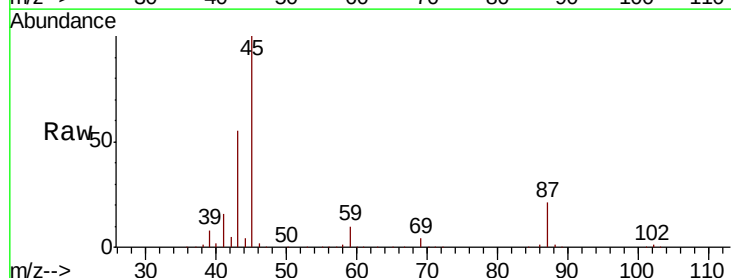
RT: 6.31 min Scan# 722

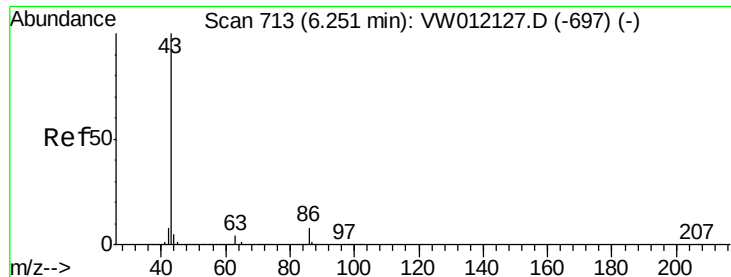
Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	45	Resp:	441329
Ion	Ratio	Lower	Upper
45	100		
43	55.1	45.5	68.3
87	21.5	16.1	24.1
59	10.0	8.2	12.2





#23

Vinyl Acetate

Concen: 308.561 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tot Ion: 43 Resp: 1411508

Ion Ratio Lower Upper

43 100

86 7.8 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

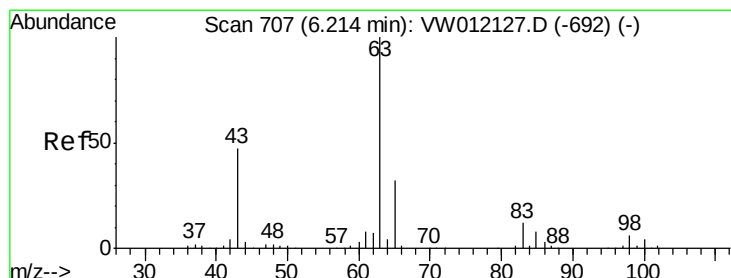
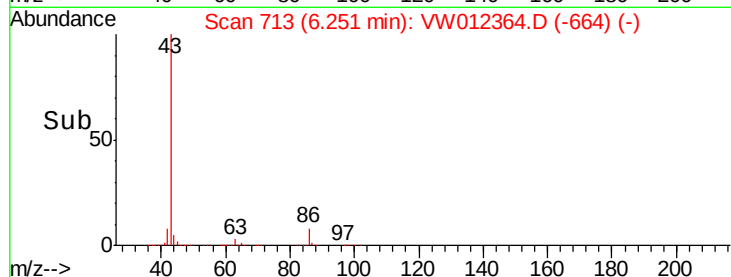
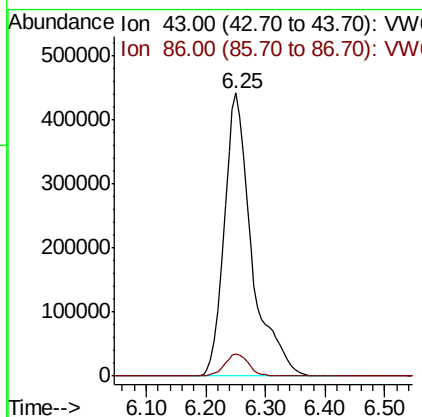
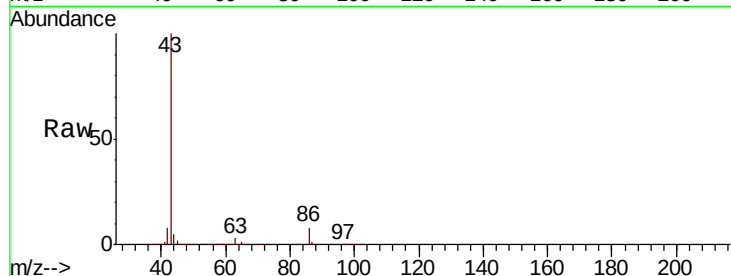
VSTDCCC050

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 57.099 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

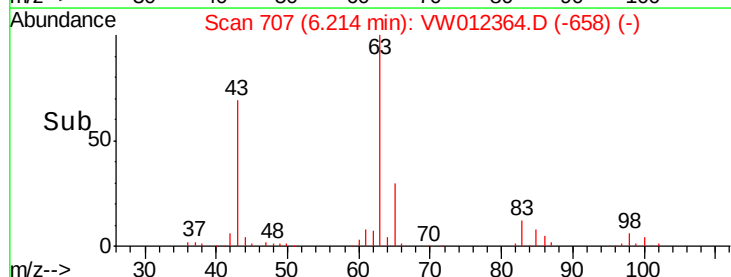
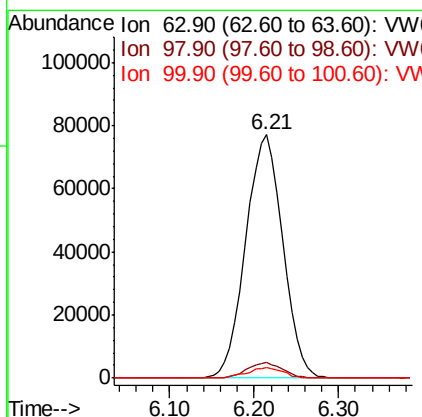
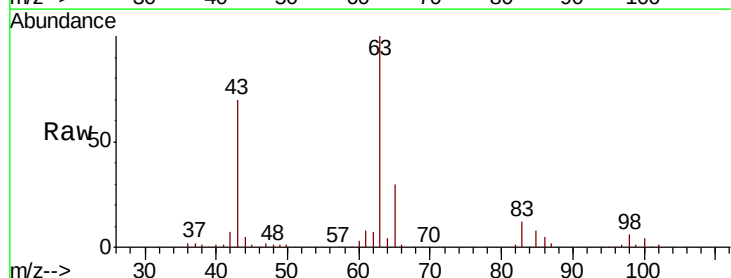
Tgt Ion: 63 Resp: 231095

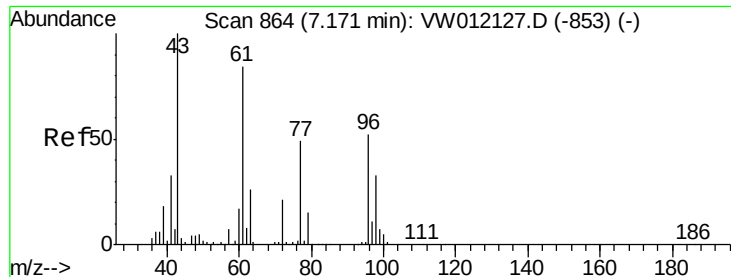
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 298.724 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 230676

Ion Ratio Lower Upper

43 100

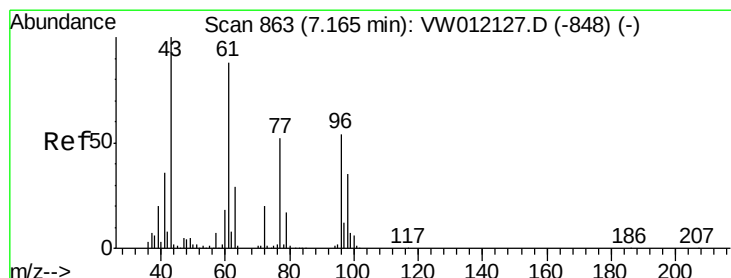
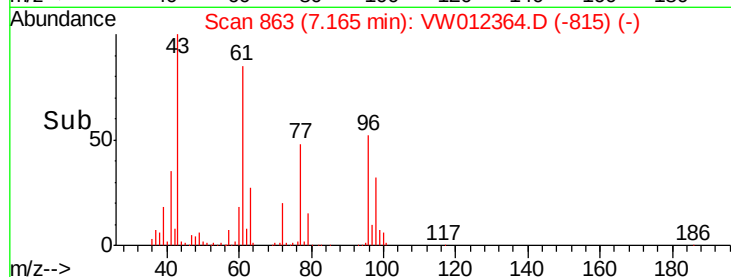
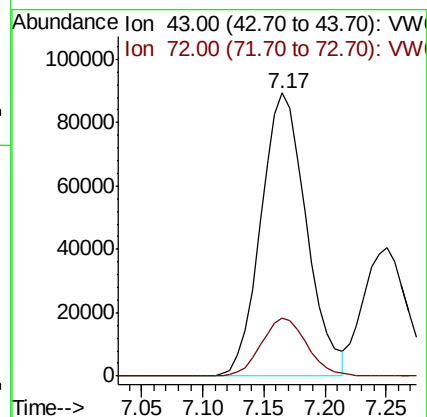
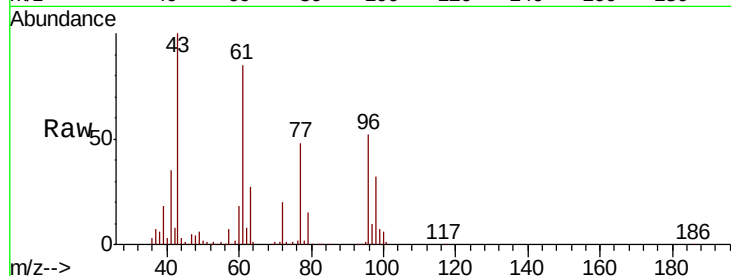
72 20.4 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.548 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012364.D

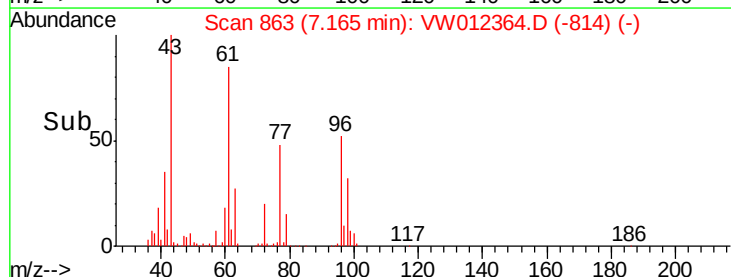
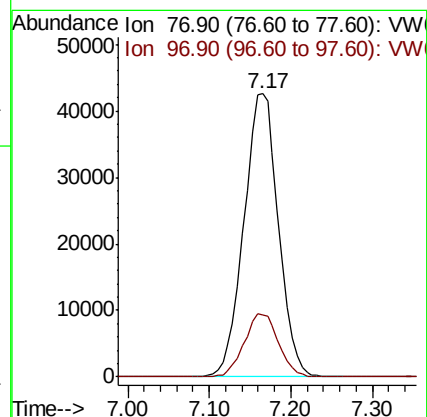
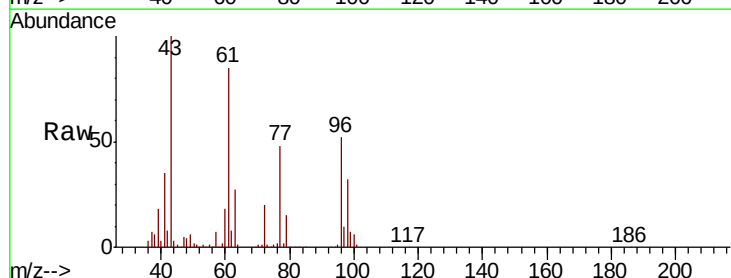
Acq: 30 Aug 2019 22:10

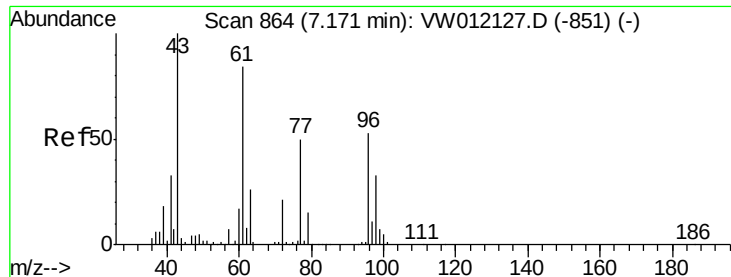
Tgt Ion: 77 Resp: 124958

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1





#27

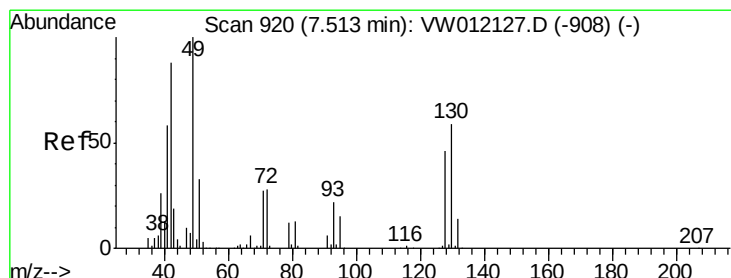
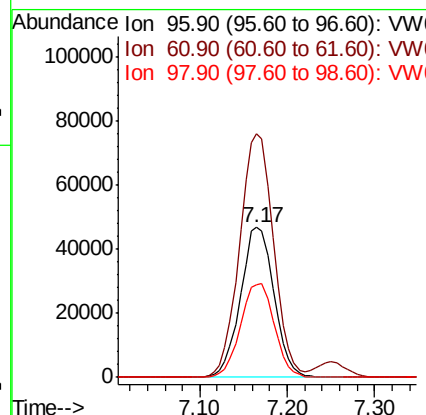
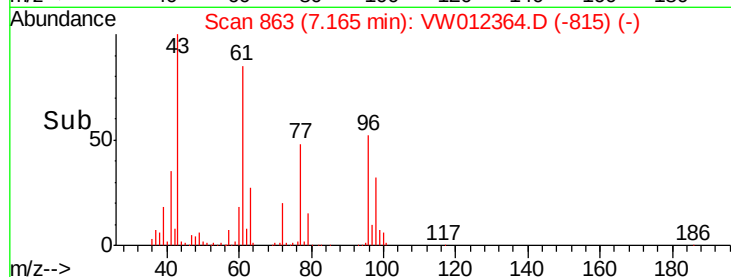
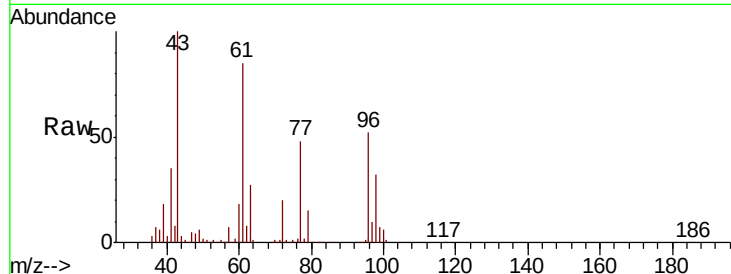
cis-1,2-Dichloroethene
Concen: 58.048 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124751		
61	164.1	0.0	326.6	
98	63.4	0.0	127.4	

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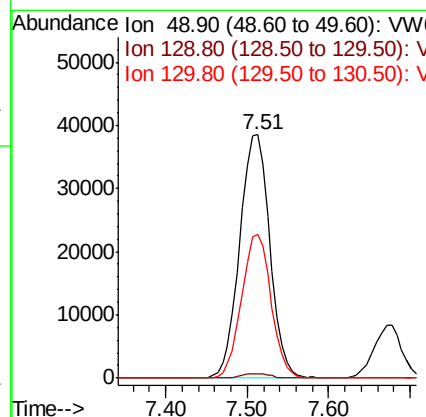
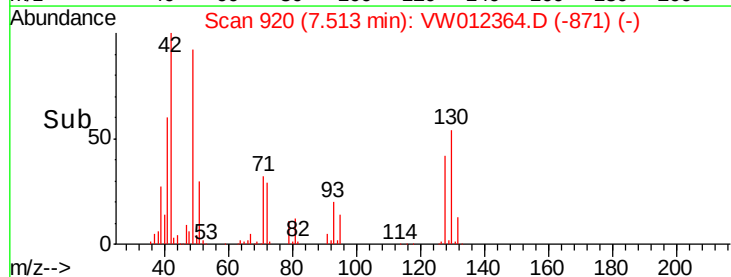
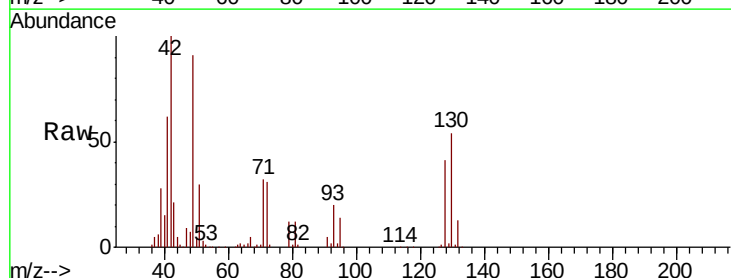
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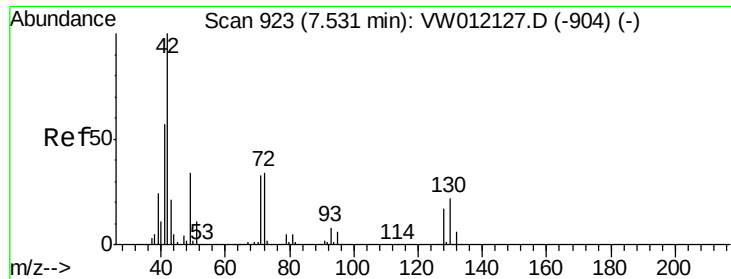


#28

Bromochloromethane
Concen: 55.962 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	98716		
129	1.7	0.0	1.4#	
130	57.6	45.5	68.3	





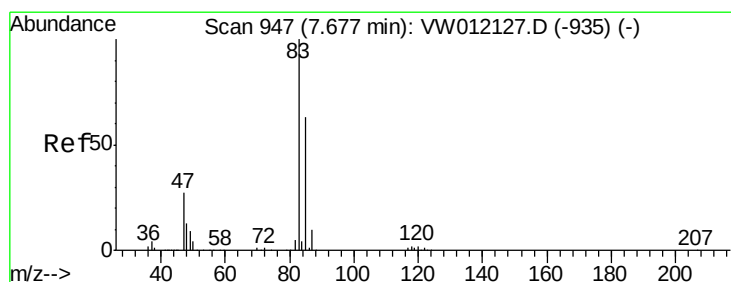
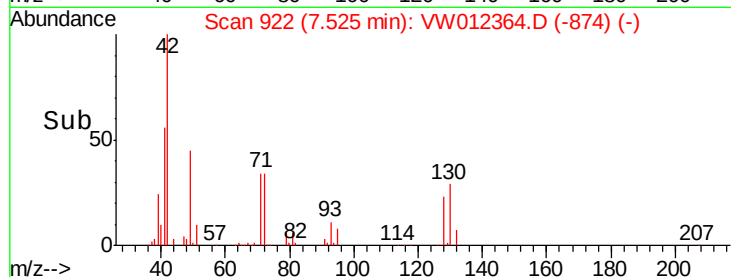
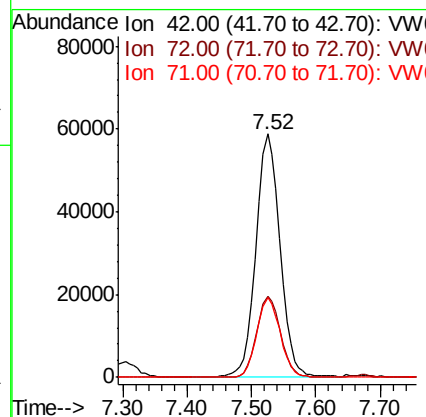
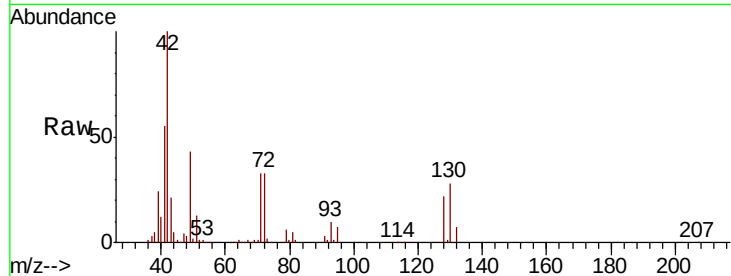
#29
Tetrahydrofuran
Concen: 323.100 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	27.3	40.9
71	32.2	25.5	38.3

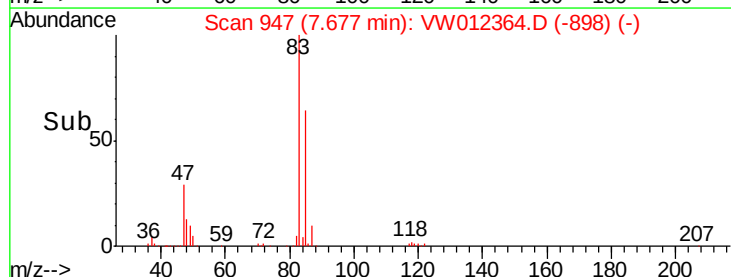
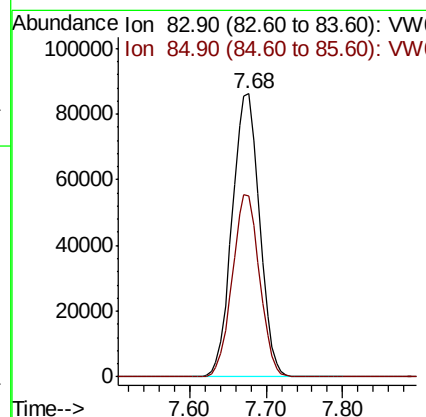
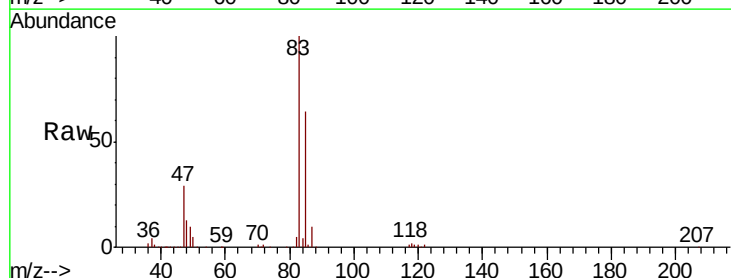
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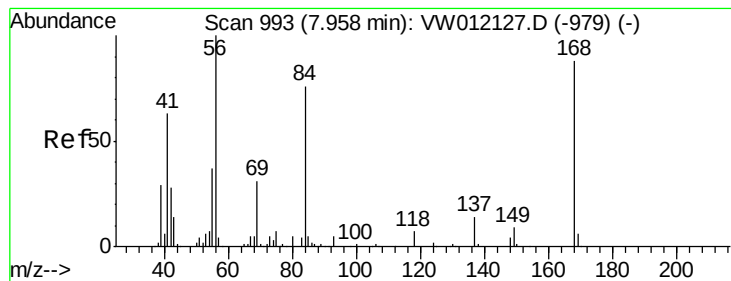
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#30
Chloroform
Concen: 57.676 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0





#31

Cyclohexane

Concen: 49.793 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

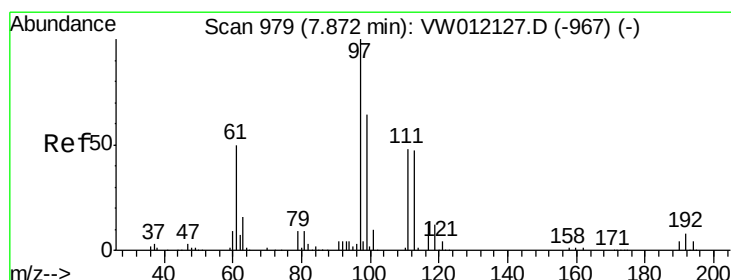
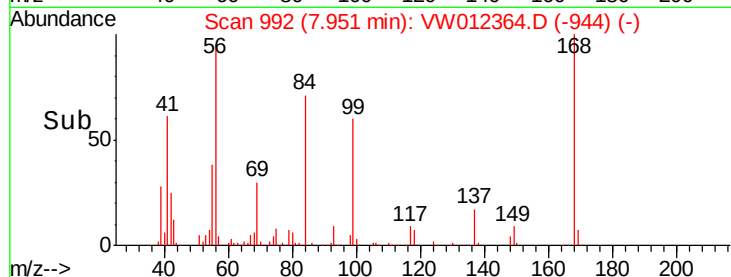
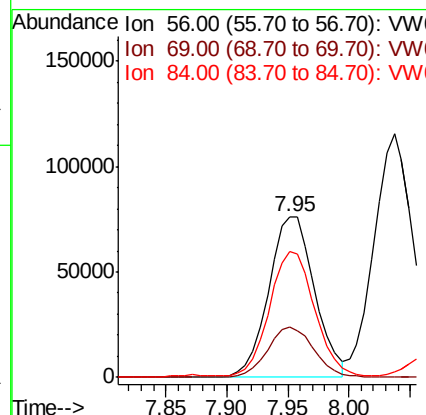
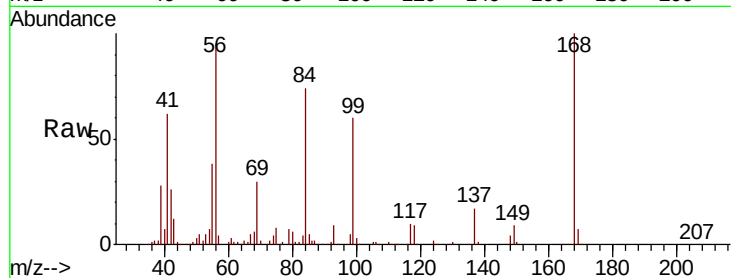
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	199382
Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.9	37.3
84	76.4	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 56.976 ug/l

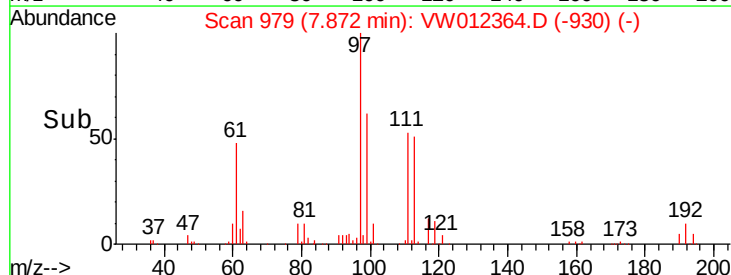
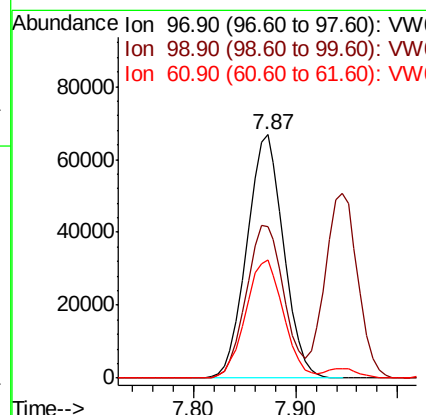
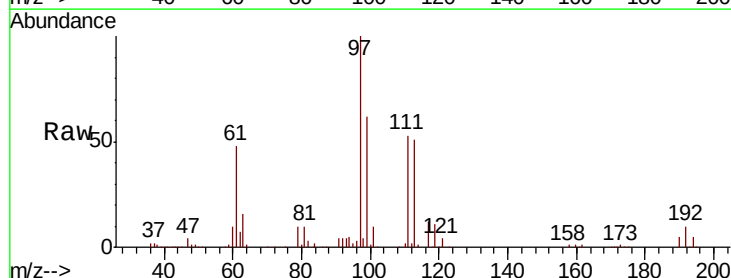
RT: 7.87 min Scan# 979

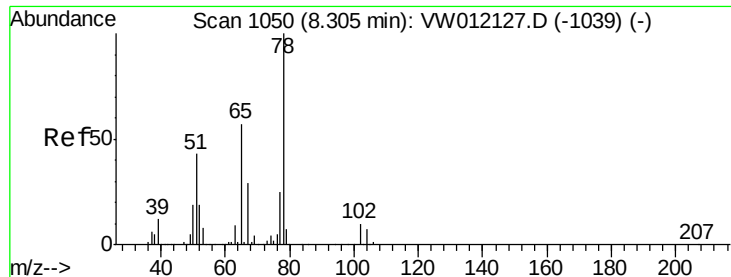
Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	97	Resp:	166894
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	50.1	39.5	59.3





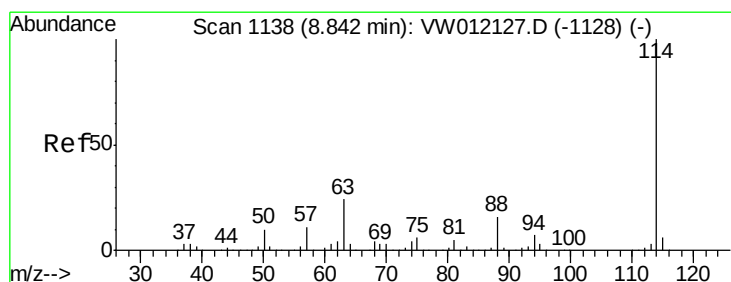
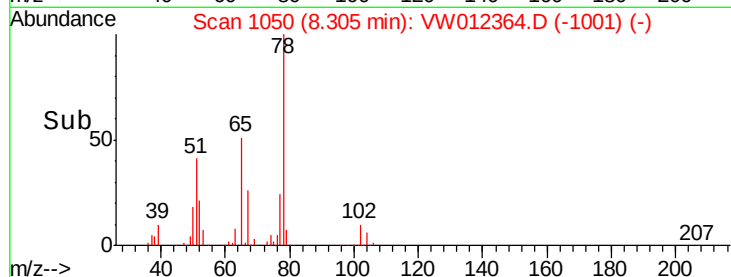
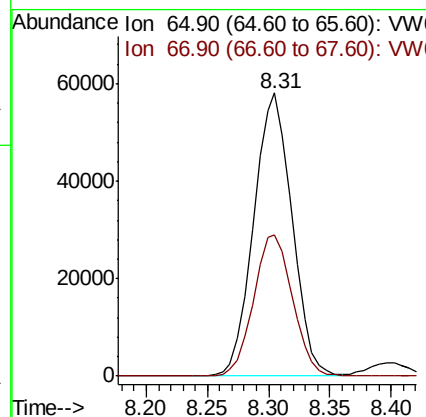
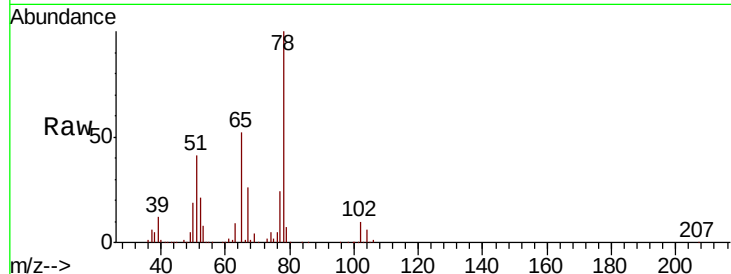
#33
 1,2-Dichloroethane-d4
 Concen: 56.924 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126546		
67	50.6	0.0	102.6	

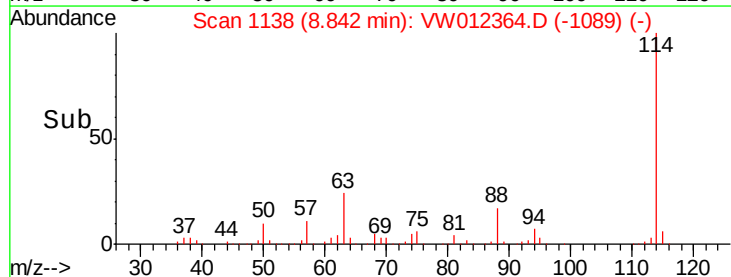
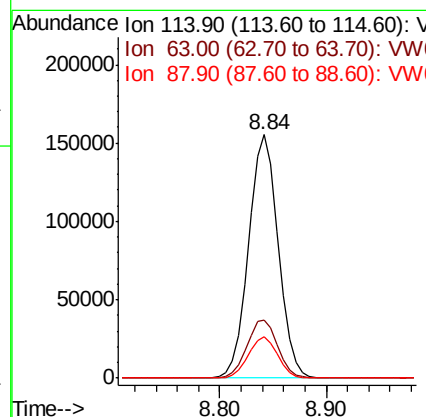
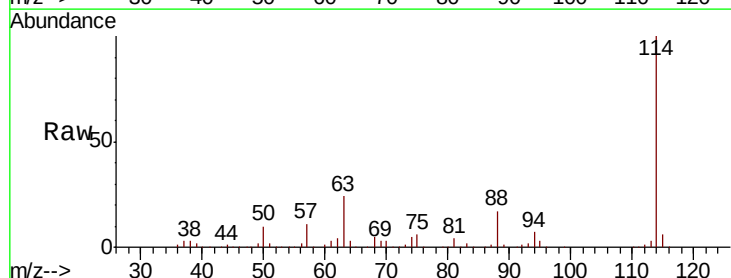
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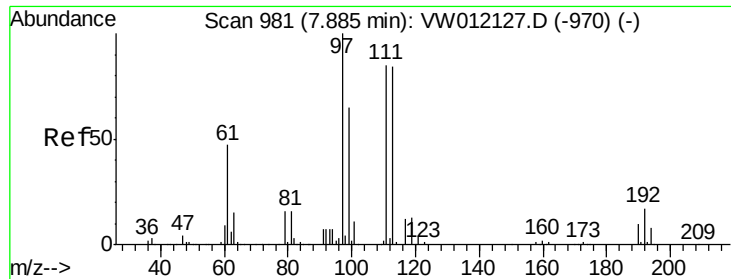
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	303232		
63	24.0	0.0	48.6	
88	17.1	0.0	32.2	





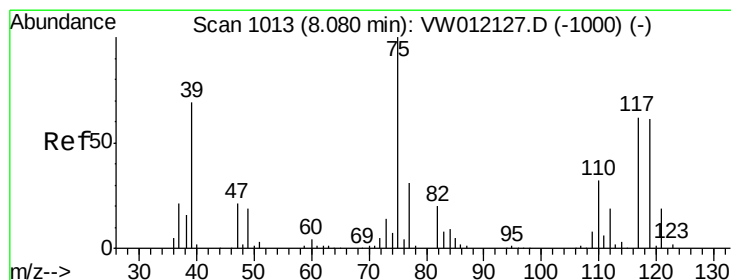
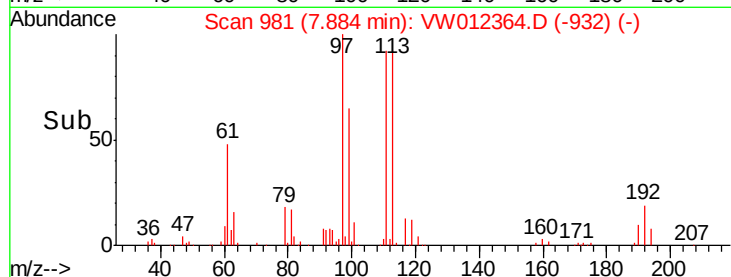
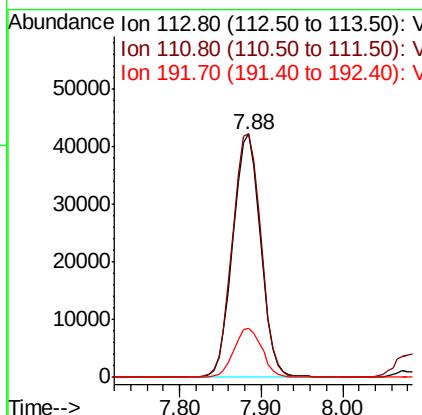
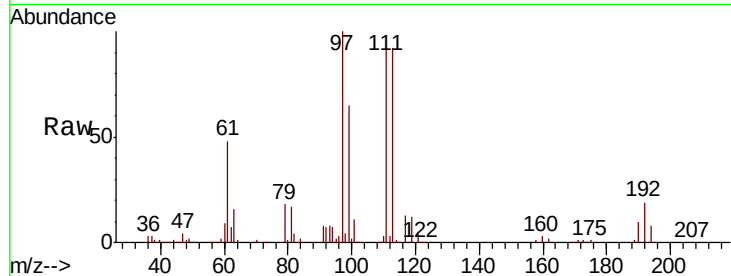
#35
 Dibromofluoromethane
 Concen: 54.664 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	20.3	16.2	24.2

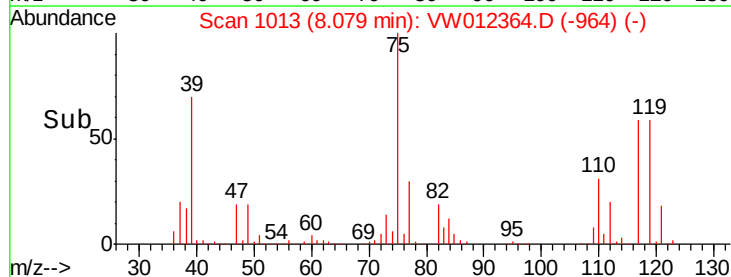
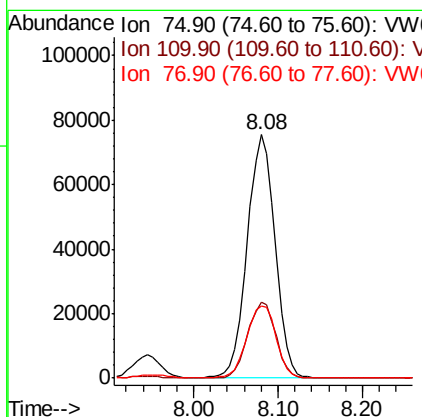
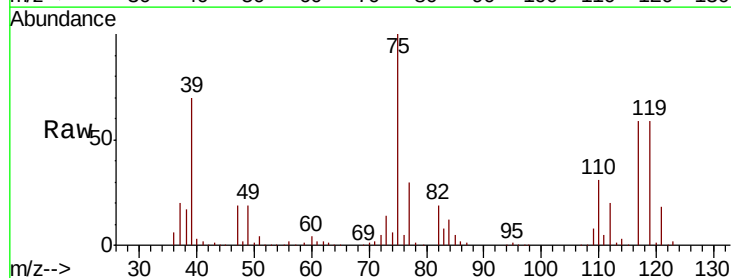
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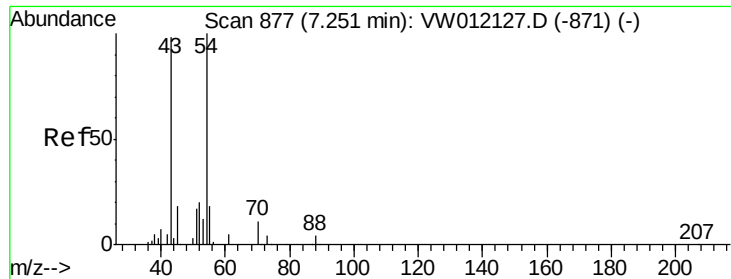
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#36
 1,1-Dichloropropene
 Concen: 53.866 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.6	46.8
77	31.6	24.6	36.8





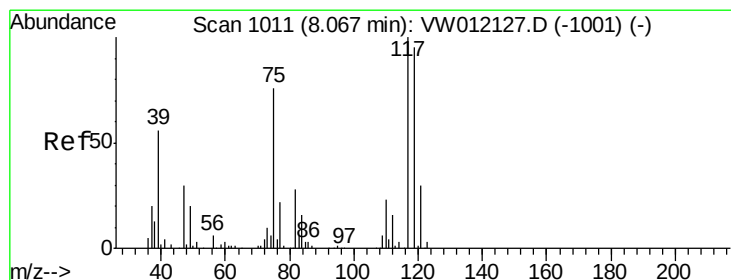
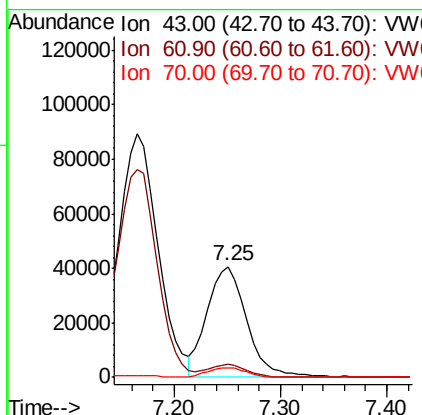
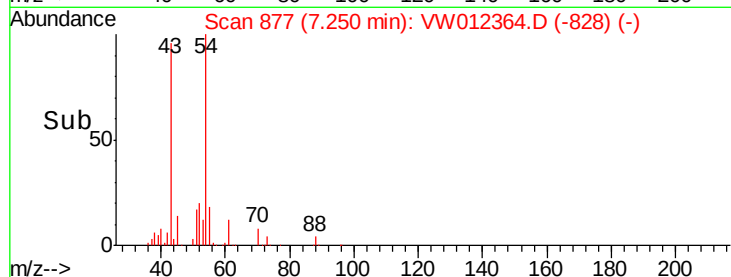
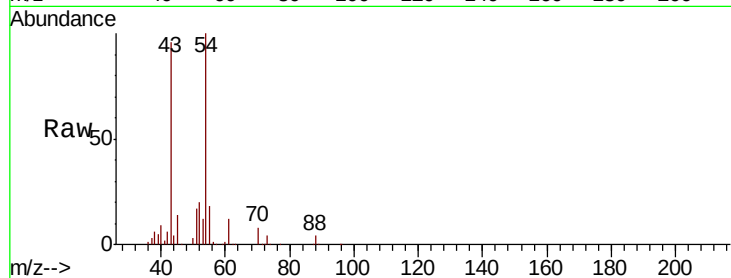
#37
Ethyl Acetate
Concen: 59.969 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.7	9.2	13.8	
70	9.1	6.9	10.3	

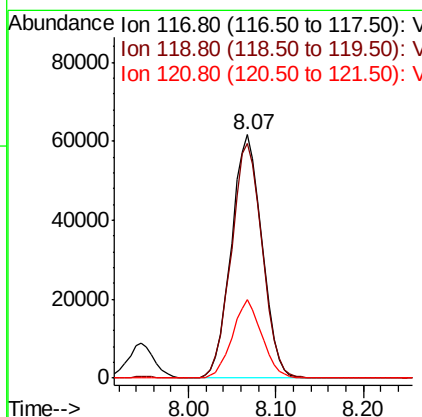
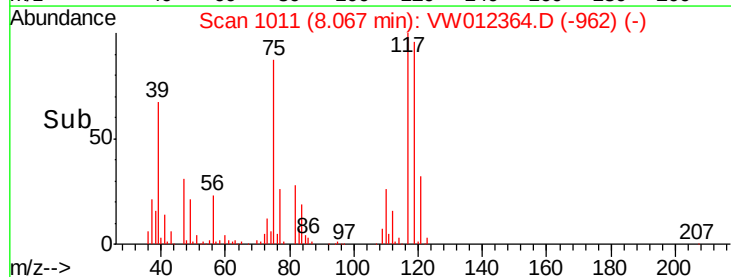
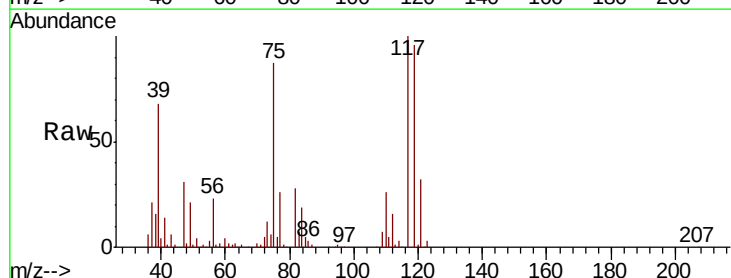
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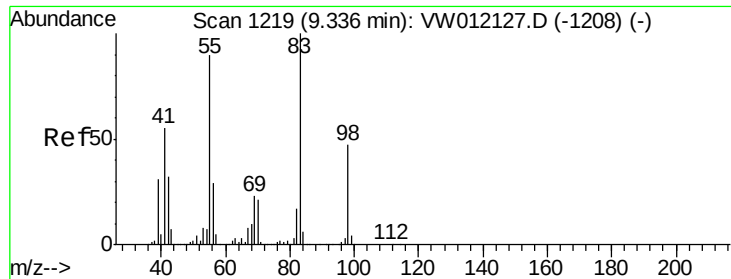
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#38
Carbon Tetrachloride
Concen: 55.543 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.4	76.2	114.2	
121	32.3	23.8	35.8	





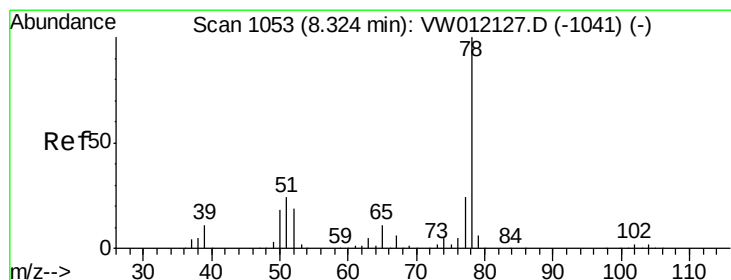
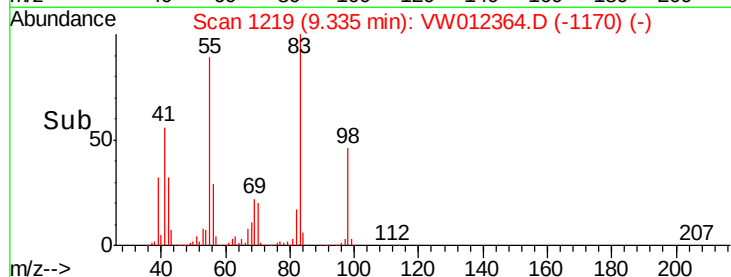
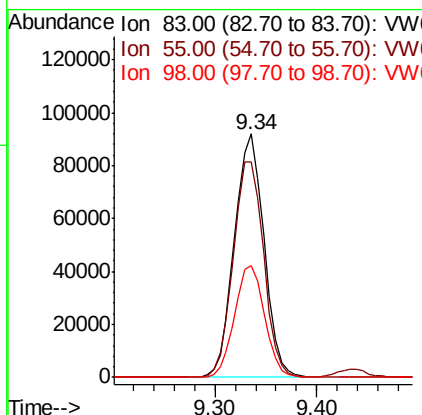
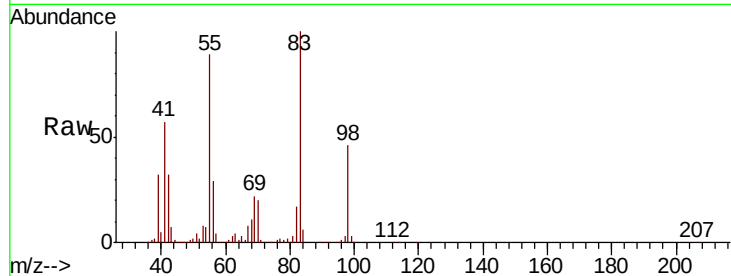
#39
Methylvlcyclohexane
Concen: 52.630 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	71.8	107.8
98	45.9	37.8	56.8

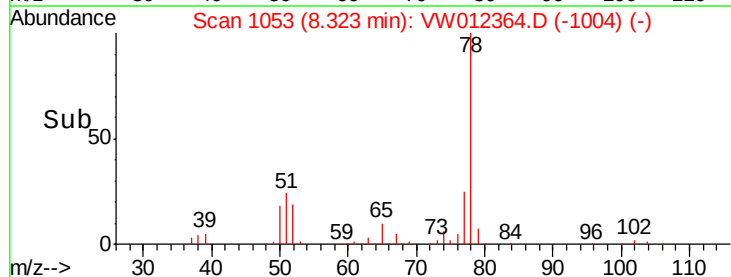
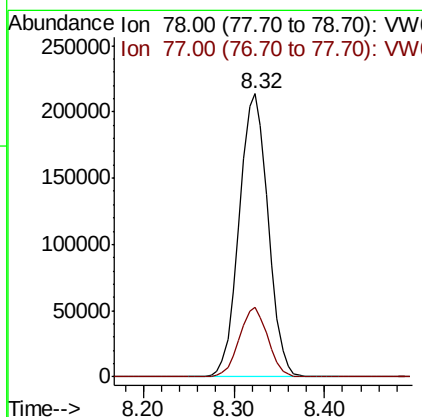
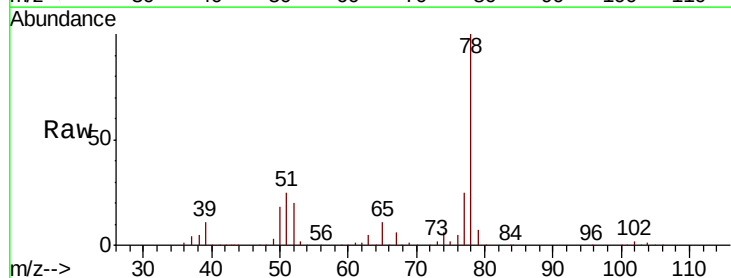
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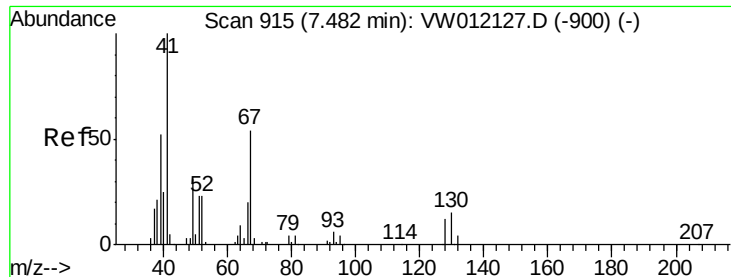
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#40
Benzene
Concen: 55.418 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3





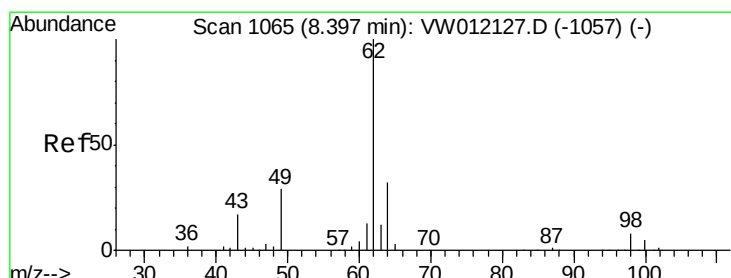
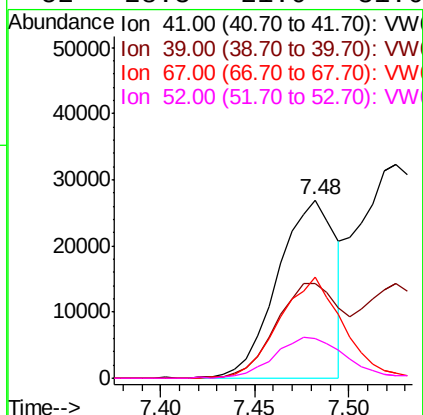
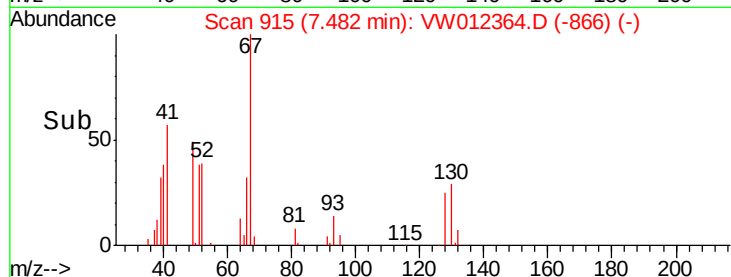
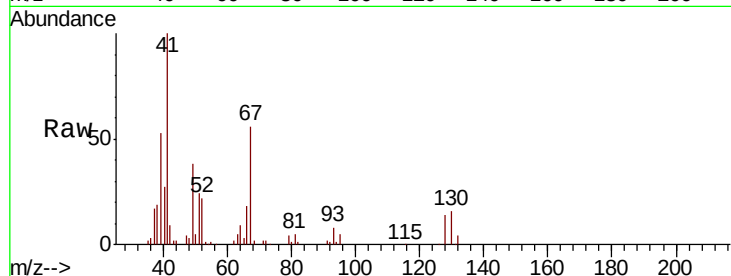
#41
Methacrylonitrile
Concen: 57.436 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.3	45.8	68.8
67	62.5	46.2	69.4
52	28.3	21.0	31.6

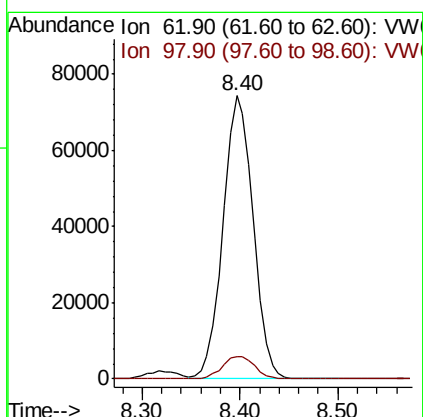
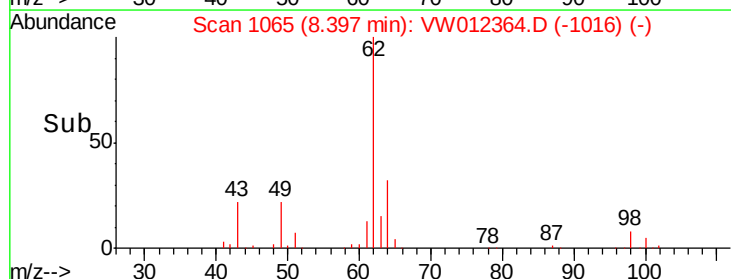
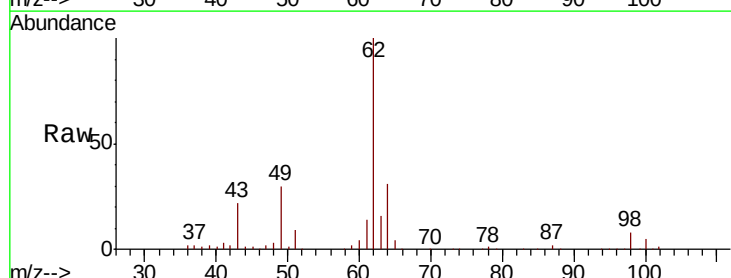
Manual Integrations
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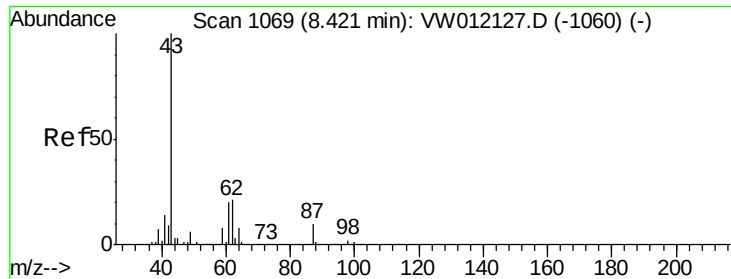
MMDadoda
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#42
1,2-Dichloroethane
Concen: 59.172 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.6





#43

Isopropyl Acetate

Concen: 61.989 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

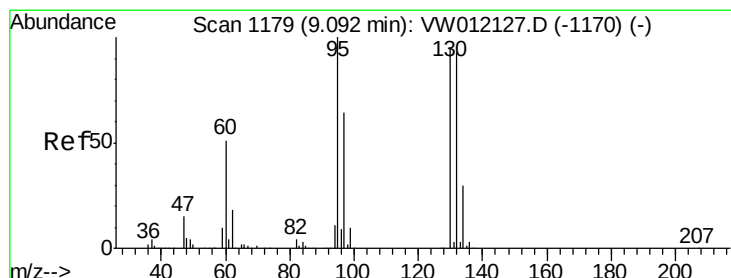
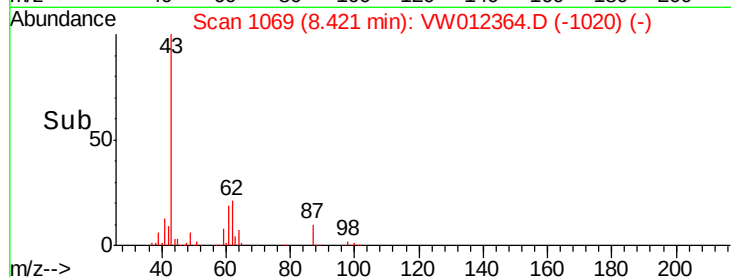
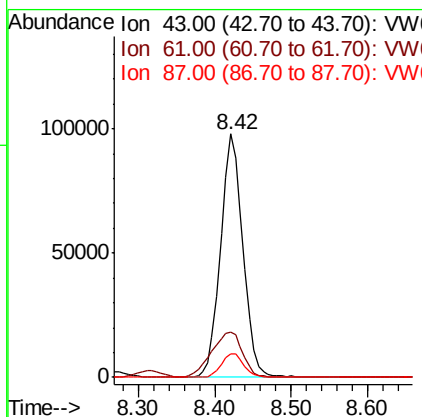
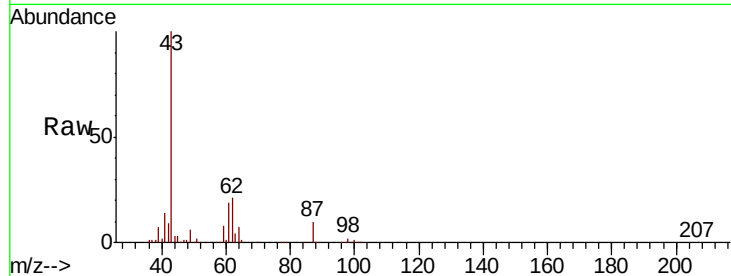
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	197166
Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.1	31.7
87	9.9	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 55.248 ug/l

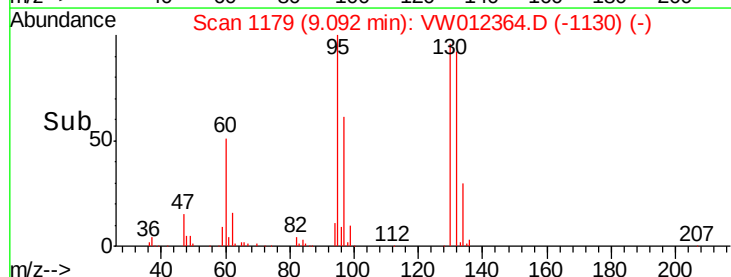
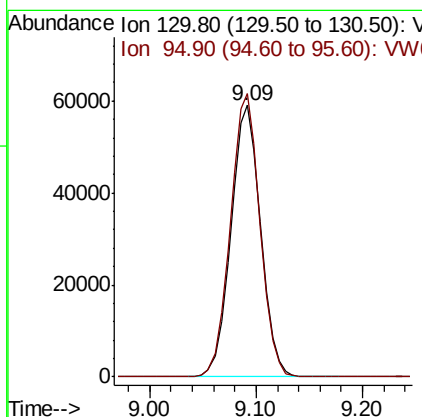
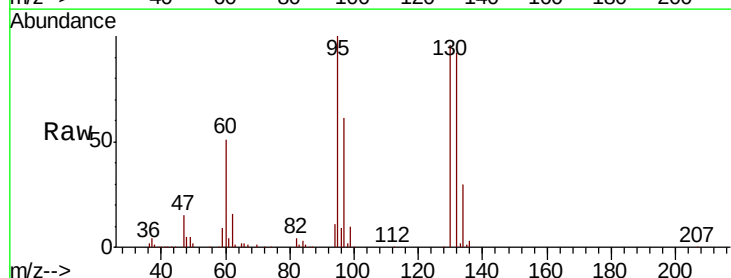
RT: 9.09 min Scan# 1179

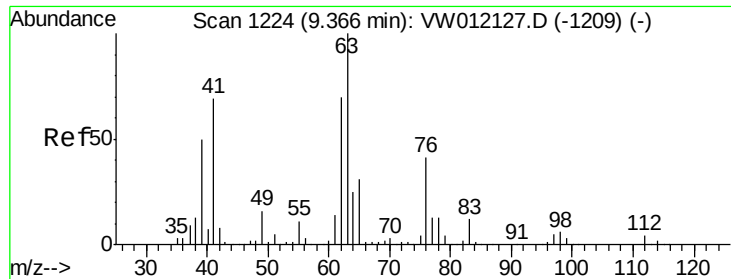
Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	130	Resp:	114918
Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.6





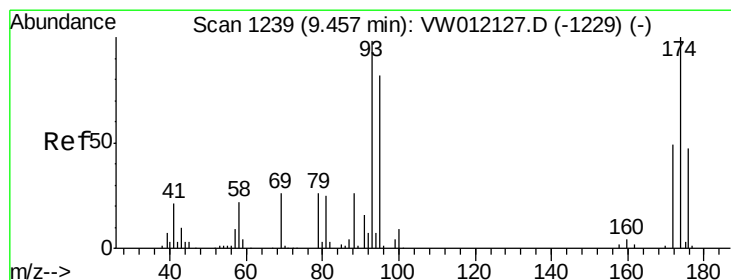
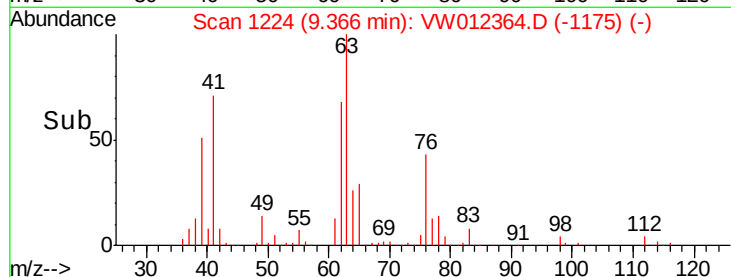
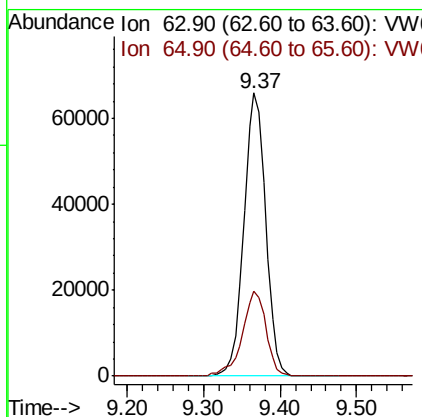
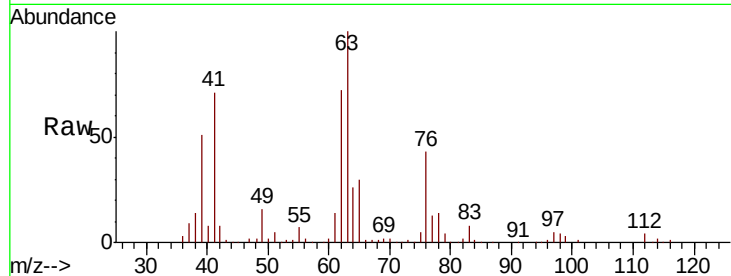
#45
 1,2-Dichloropropane
 Concen: 56.665 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 130488
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.4

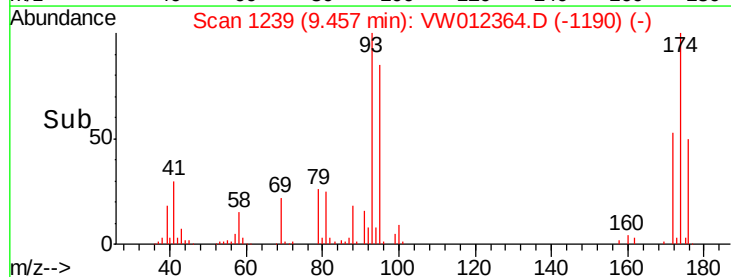
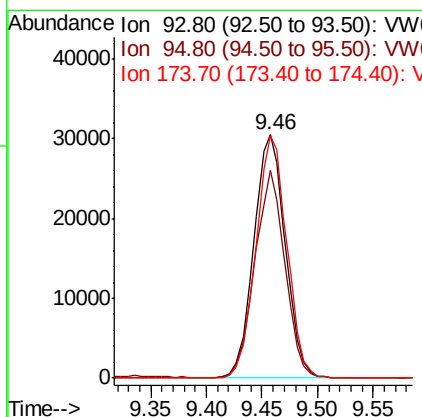
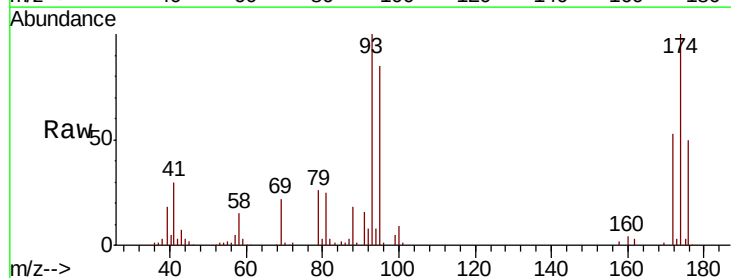
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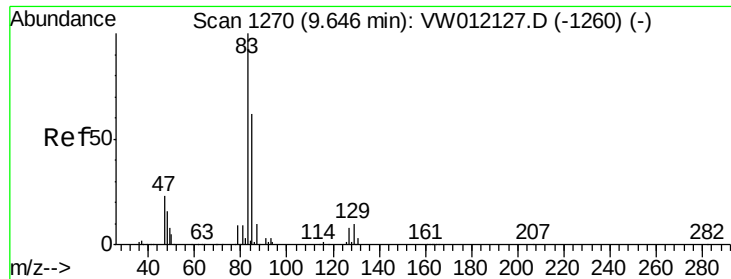
MMDadoda
 8/31/2019 9:11:42 AM



#46
 Dibromomethane
 Concen: 58.500 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion: 93 Resp: 59938
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.2 100.8
 174 98.0 79.0 118.6





#47

Bromodichloromethane

Concen: 58.602 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

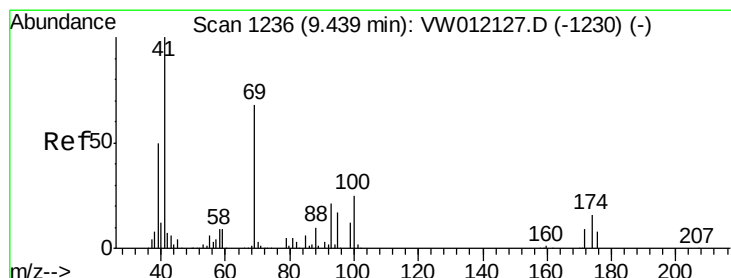
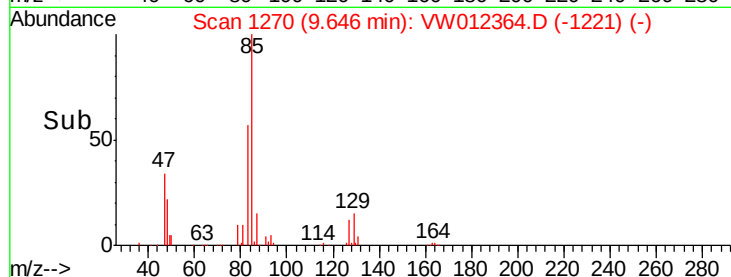
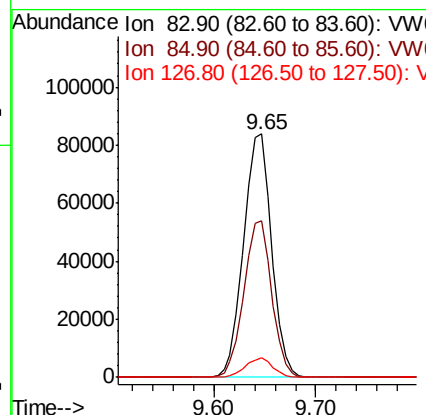
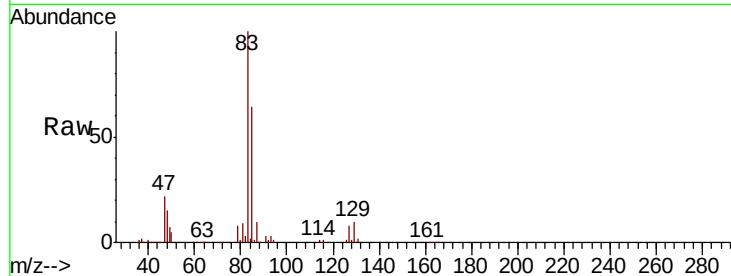
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	159799
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.4	74.2
127	7.9	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 61.916 ug/l

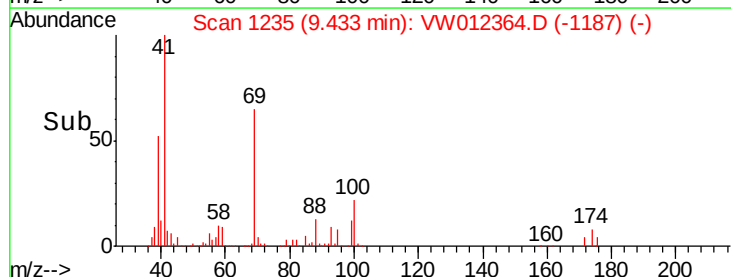
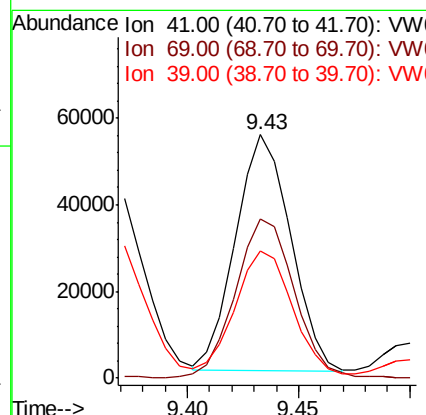
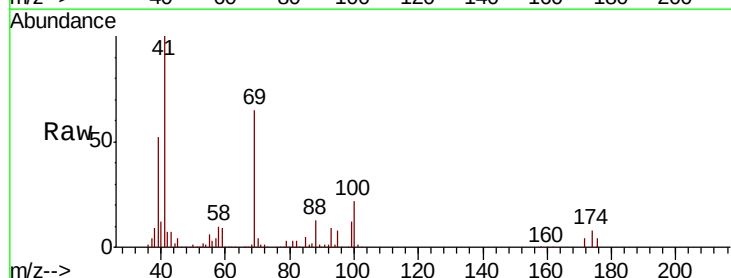
RT: 9.43 min Scan# 1235

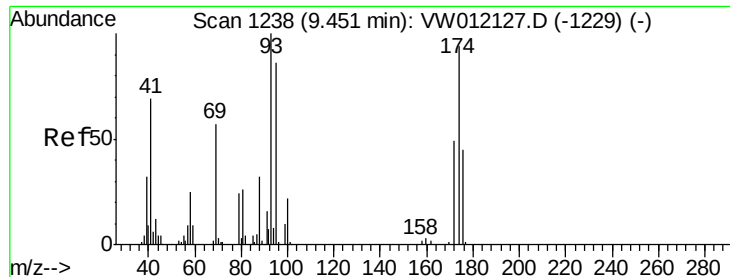
Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	41	Resp:	93731
Ion	Ratio	Lower	Upper
41	100		
69	72.6	56.7	85.1
39	57.6	42.0	63.0





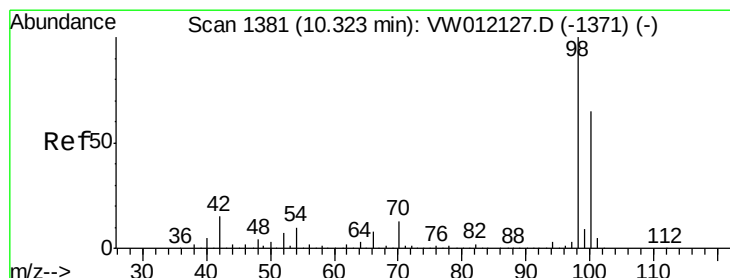
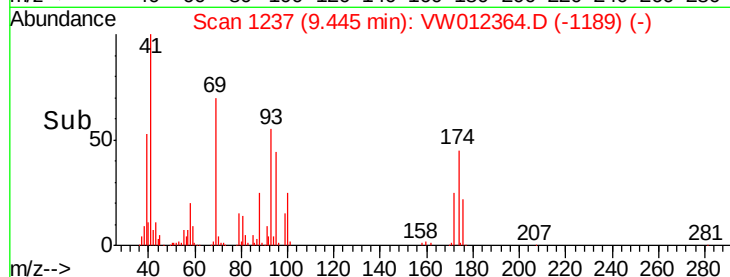
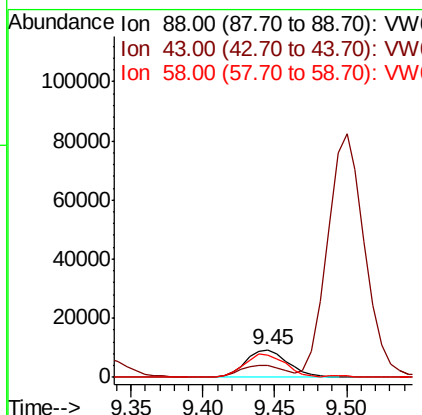
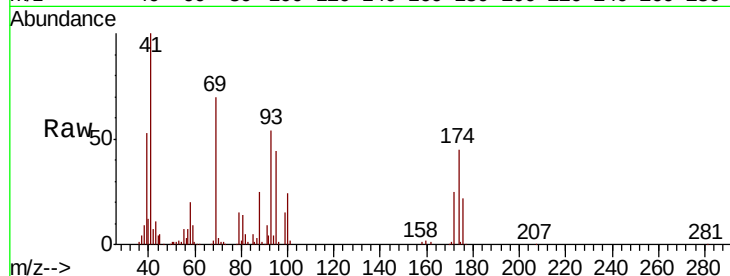
#49
1,4-Dioxane
Concen: 1222.755 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	19179
Ion	Ratio	Lower	Upper
88	100		
43	44.4	32.9	49.3
58	87.2	71.0	106.4

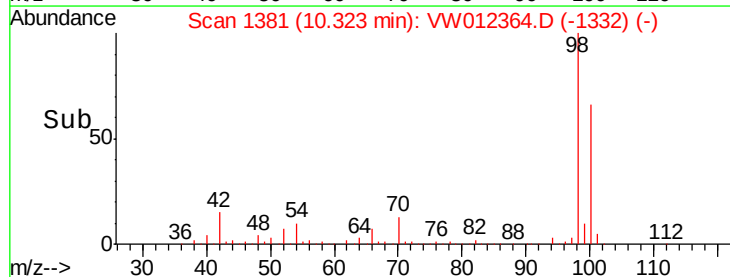
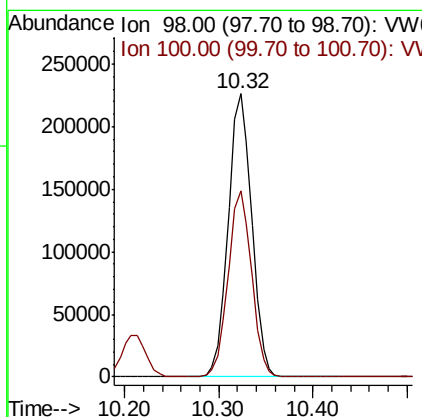
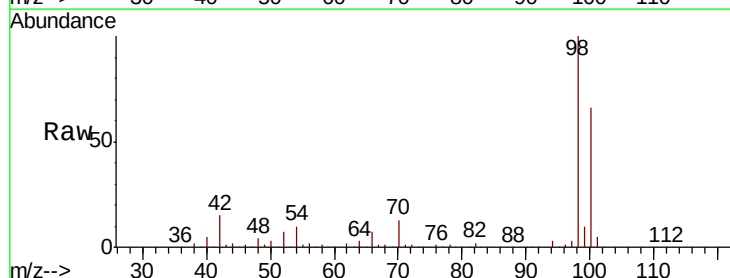
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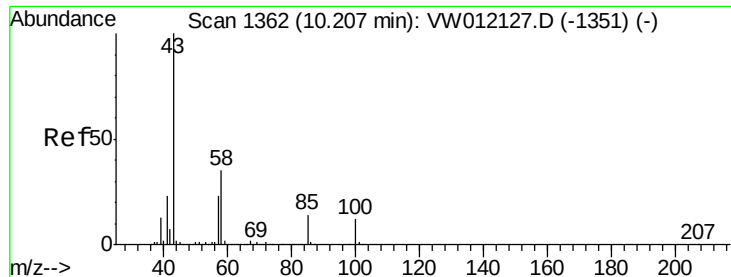
MMDadoda
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#50
Toluene-d8
Concen: 53.434 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	98	Resp	392155
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





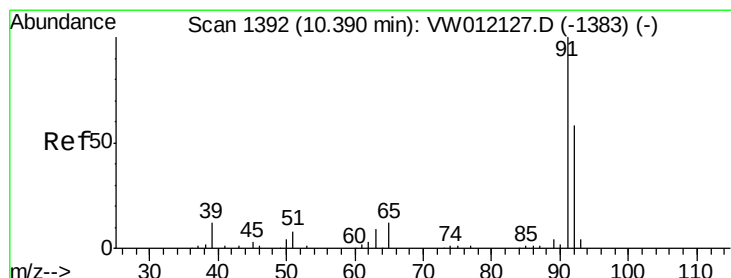
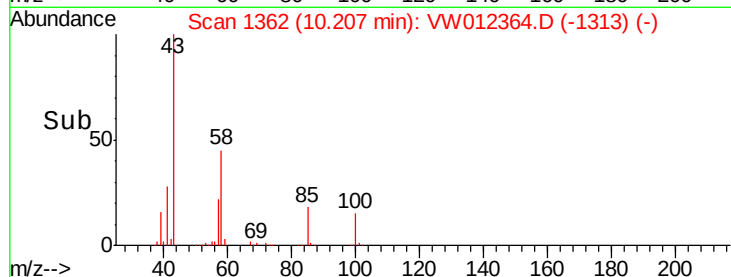
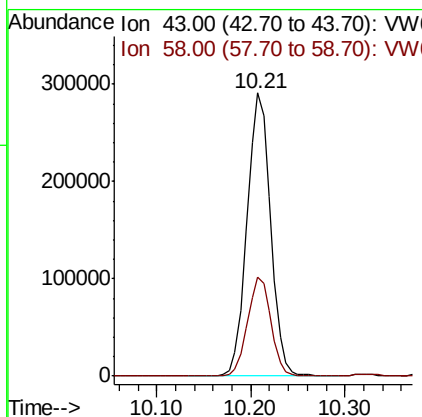
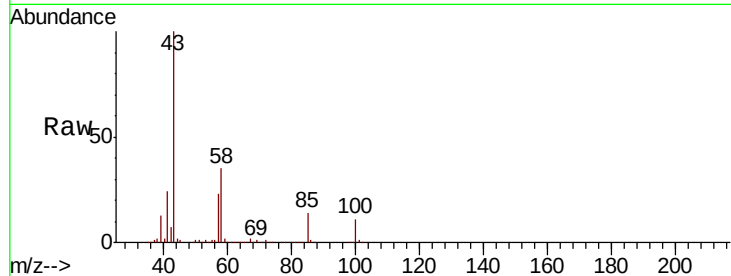
#51
 4-Methyl-2-Pentanone
 Concen: 315.862 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.2	42.2

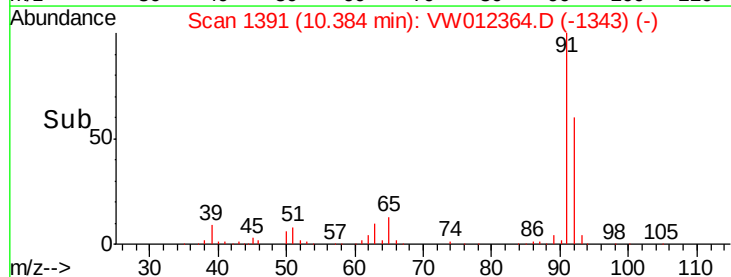
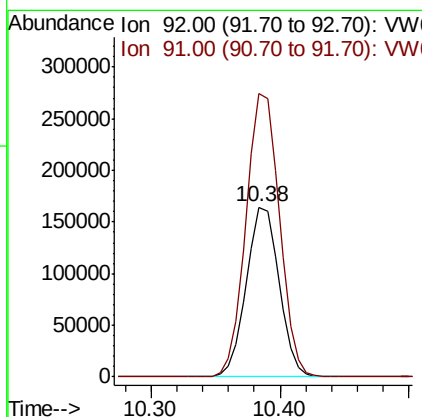
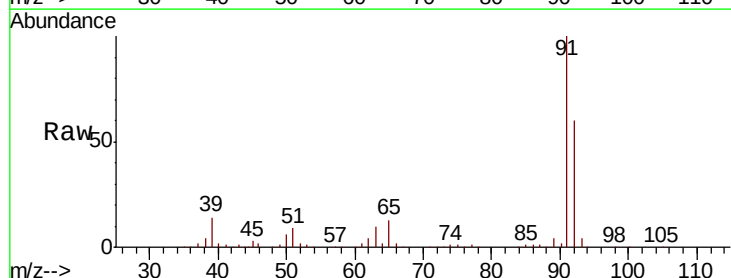
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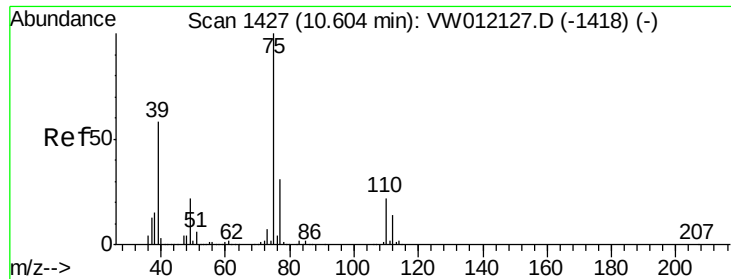
MMDadoda
 8/31/2019 9:11:42 AM



#52
 Toluene
 Concen: 56.145 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 59.277 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 164649

Ion Ratio Lower Upper

75 100

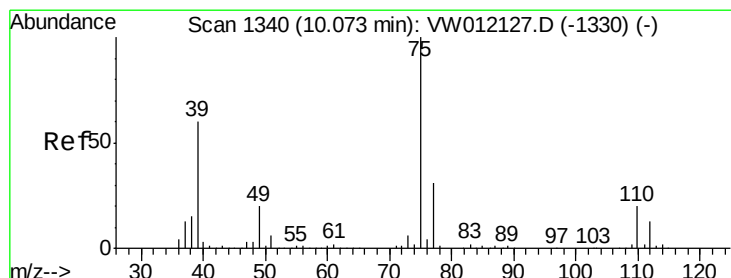
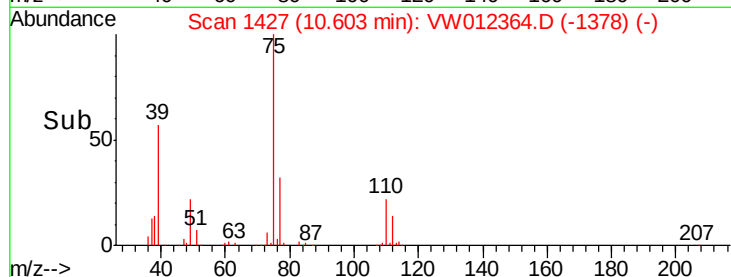
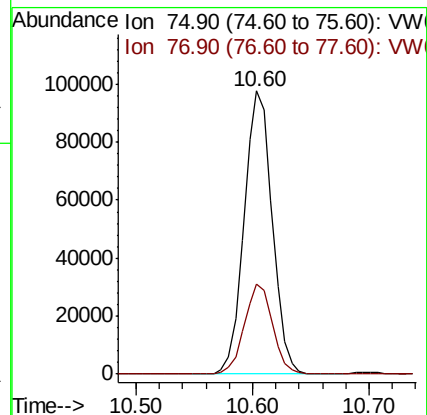
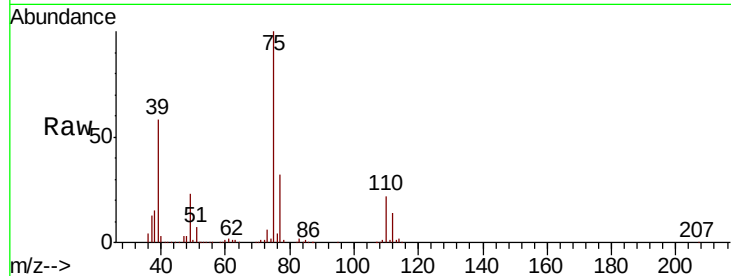
77 31.8 25.0 37.4

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 57.777 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

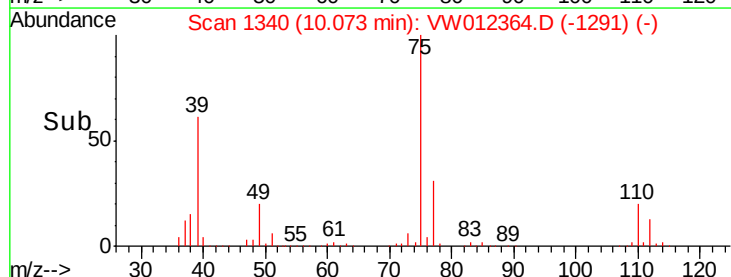
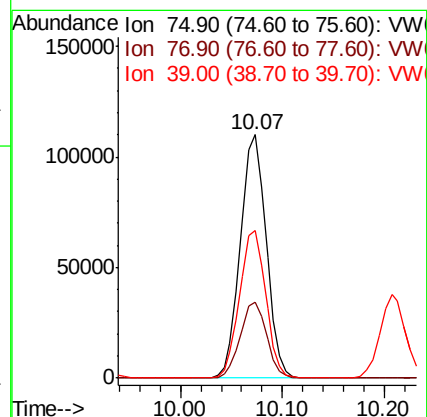
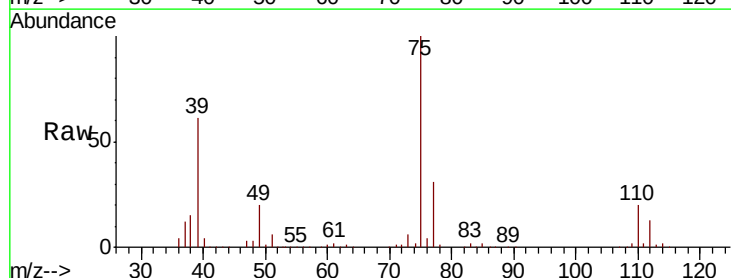
Tgt Ion: 75 Resp: 193773

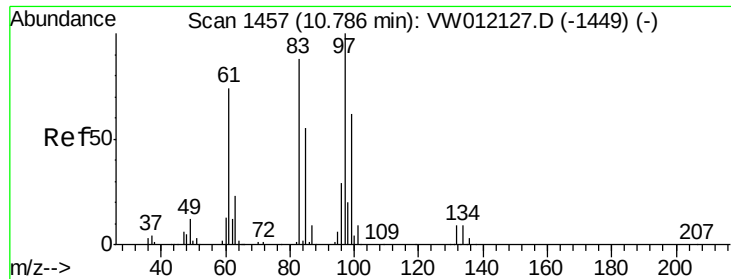
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 60.7 48.3 72.5





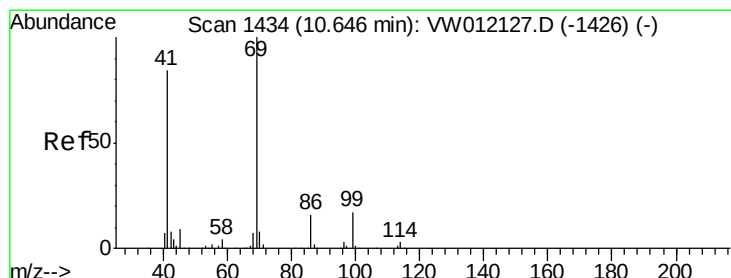
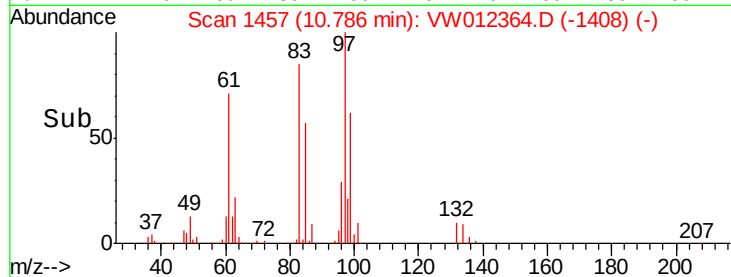
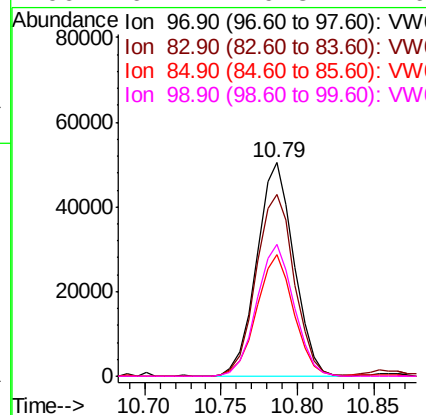
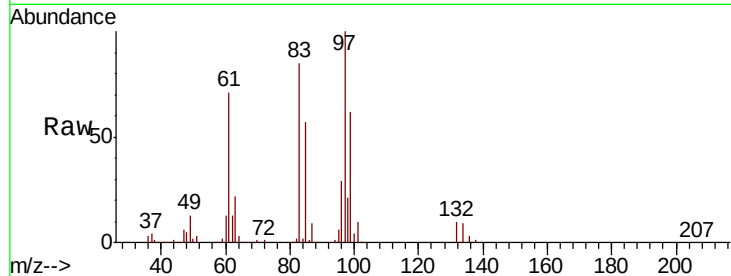
#55
 1,1,2-Trichloroethane
 Concen: 58.524 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	84838
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.8	106.2
85	56.8	43.8	65.8
99	61.7	49.8	74.6

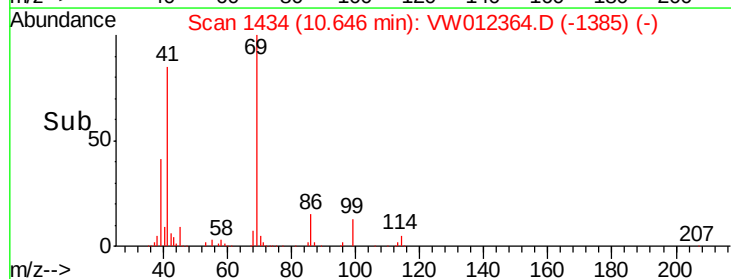
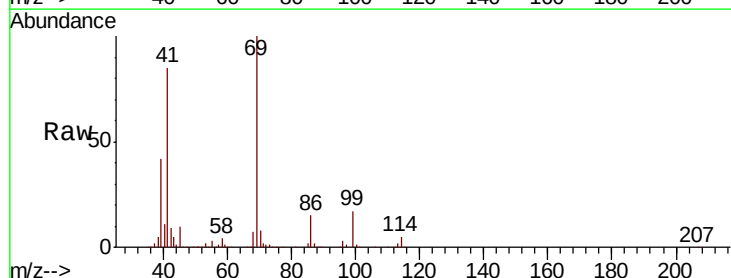
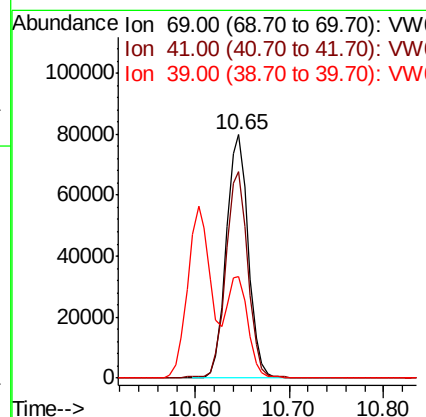
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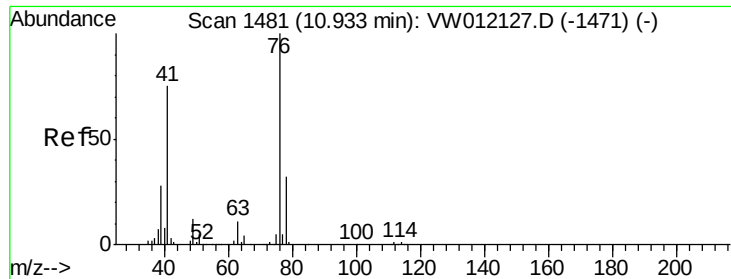
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 61.278 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion:	69	Resp:	129286
Ion	Ratio	Lower	Upper
69	100		
41	86.3	66.5	99.7
39	38.4	31.0	46.4





#57

1,3-Dichloropropane

Concen: 59.192 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 162152

Ion Ratio Lower Upper

76 100

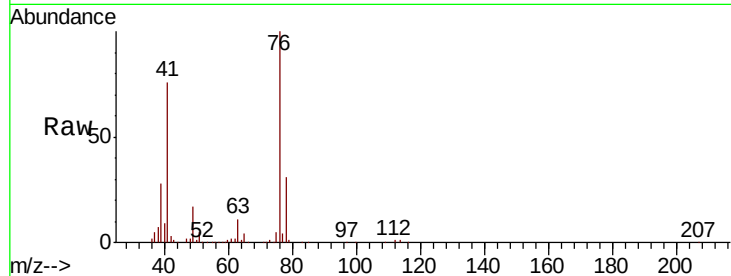
78 31.7 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

80000

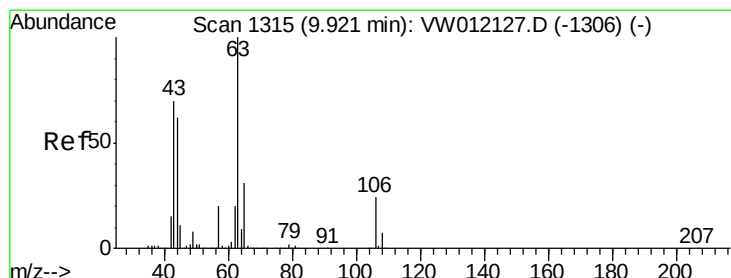
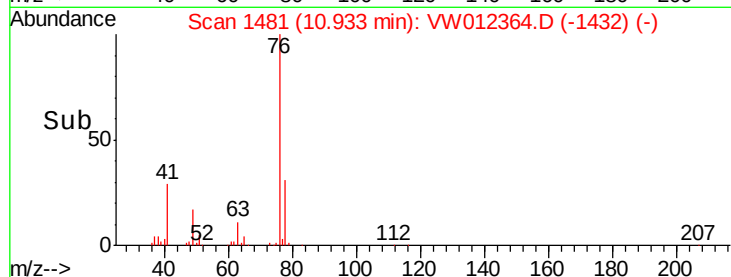
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 288.947 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012364.D

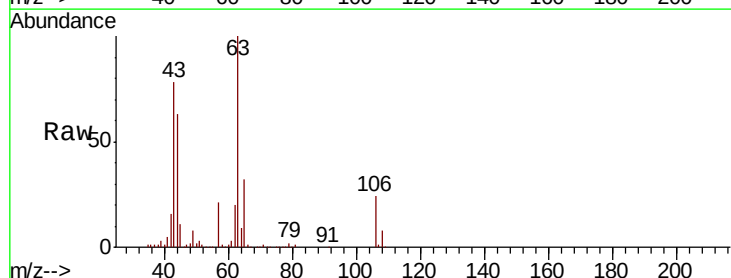
Acq: 30 Aug 2019 22:10

Tgt Ion: 63 Resp: 312874

Ion Ratio Lower Upper

63 100

106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

200000

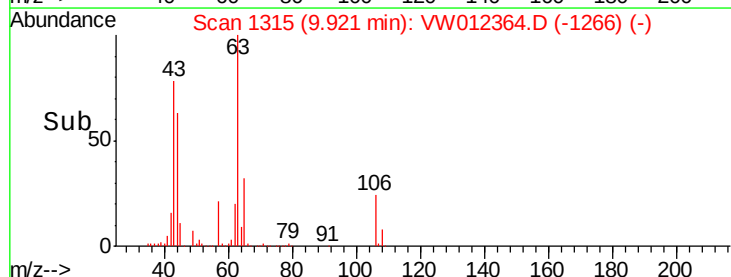
150000

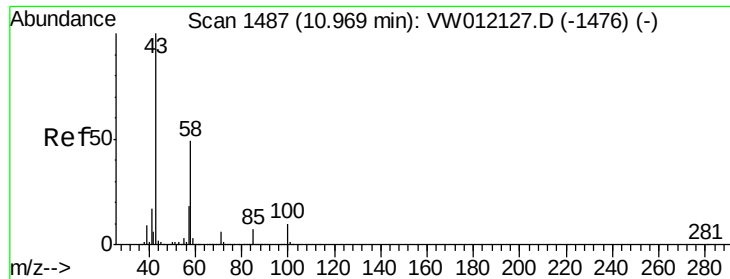
100000

50000

0

Time--> 9.80 9.90 10.00





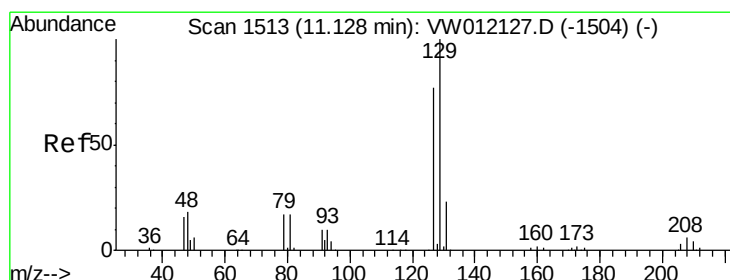
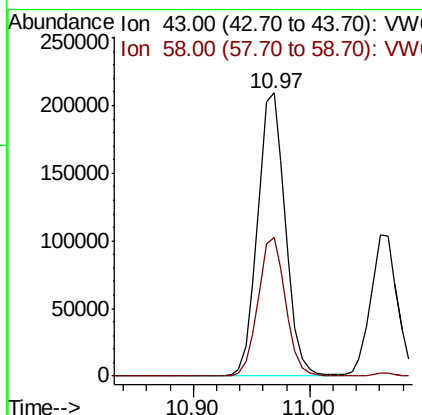
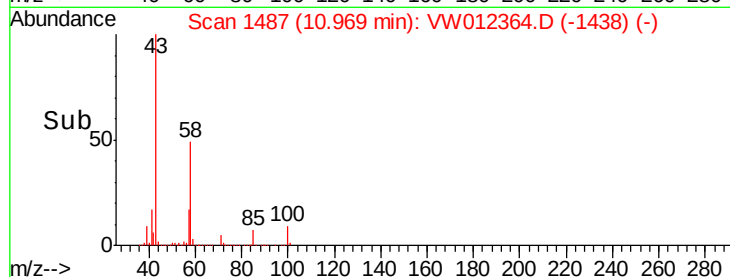
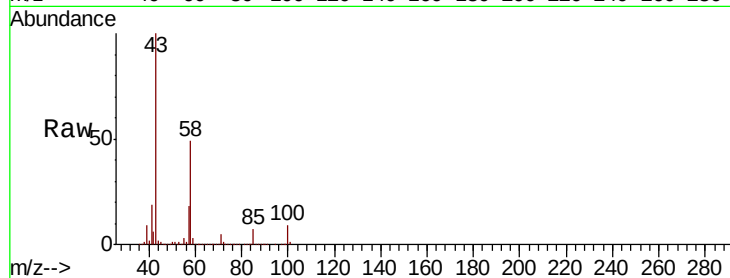
#59
2-Hexanone
Concen: 304.032 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.5	24.3	72.9

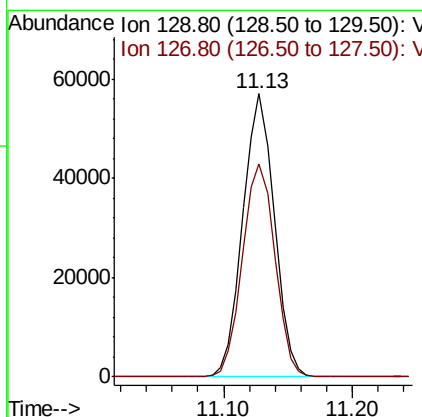
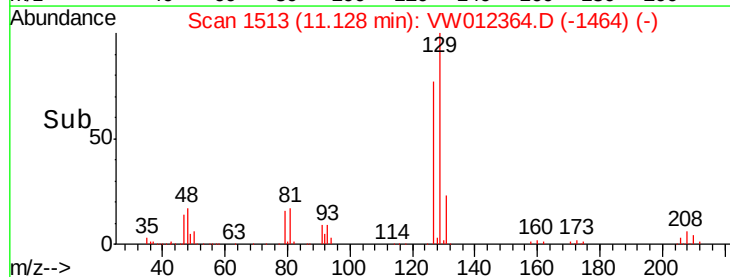
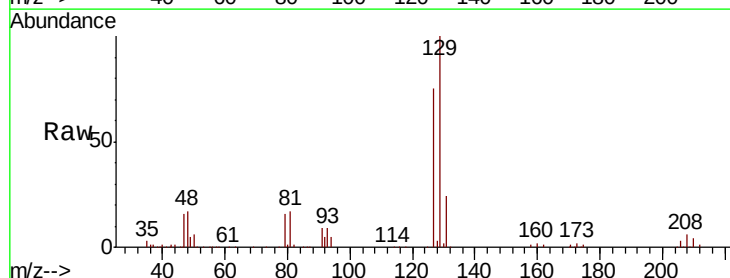
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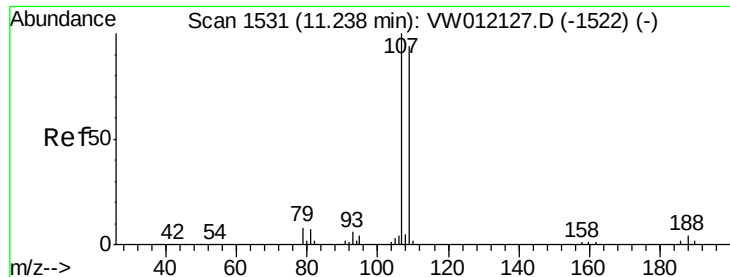
MMDadoda
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#60
Dibromochloromethane
Concen: 59.820 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8





#61

1,2-Dibromoethane

Concen: 59.639 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 80544

Ion Ratio Lower Upper

107 100

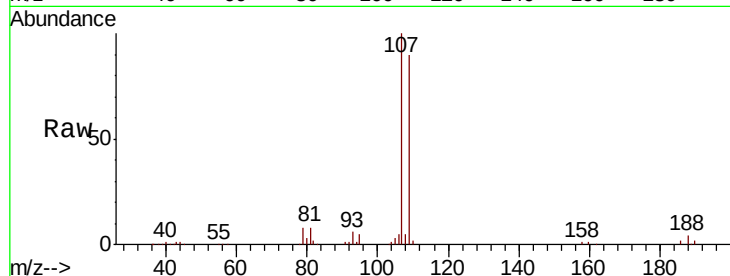
109 93.7 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

50000

40000

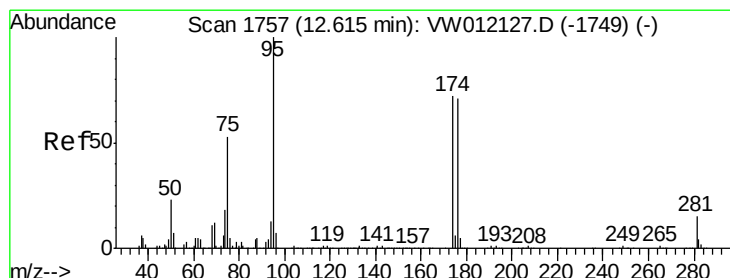
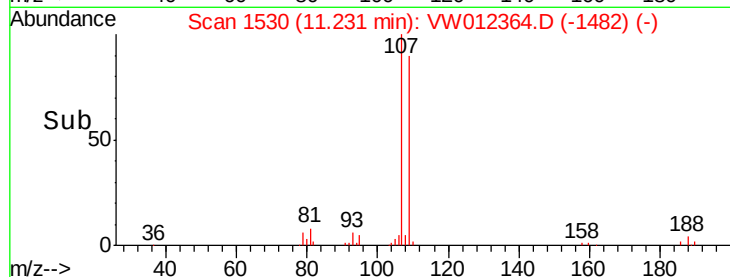
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.771 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

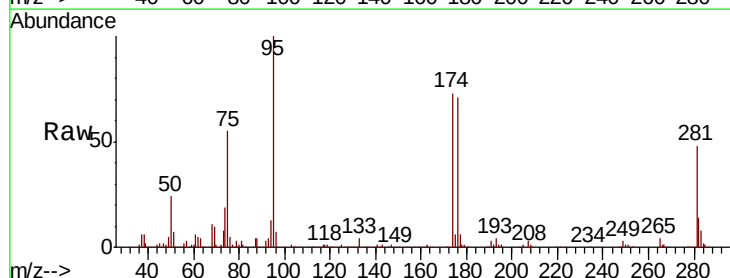
Tgt Ion: 95 Resp: 139105

Ion Ratio Lower Upper

95 100

174 77.3 0.0 150.8

176 74.6 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

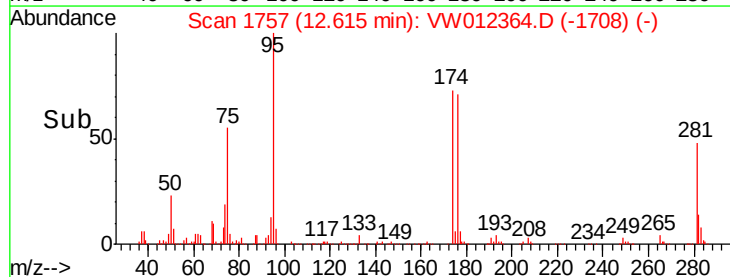
60000

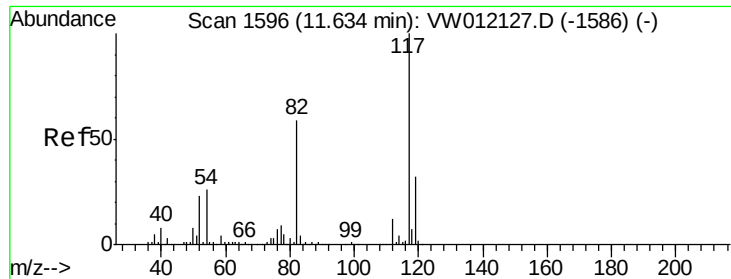
40000

20000

0

Time-->





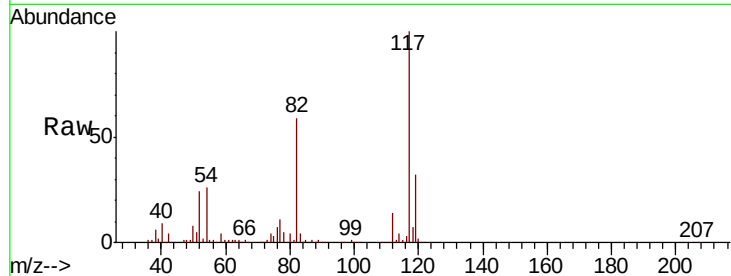
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266422		
82	59.5		47.4	71.2
119	32.3		25.4	38.2

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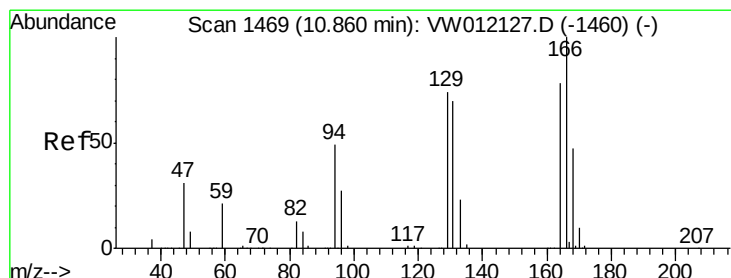
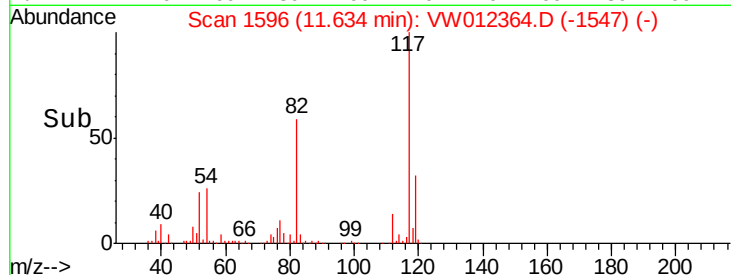
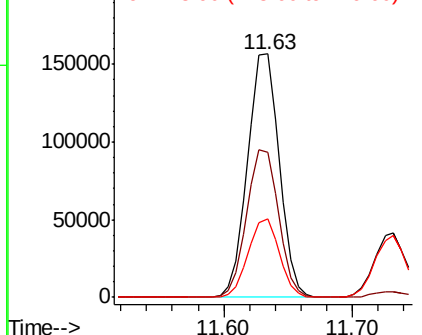


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 54.781 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94622		
166	130.8		102.4	153.6
129	96.6		75.8	113.6
131	91.7		71.4	107.2

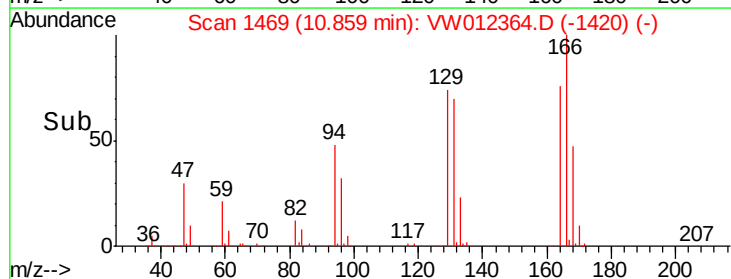
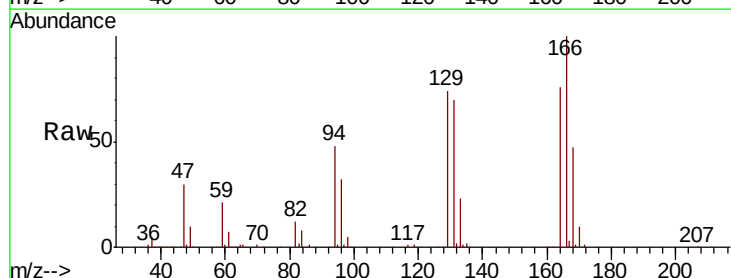
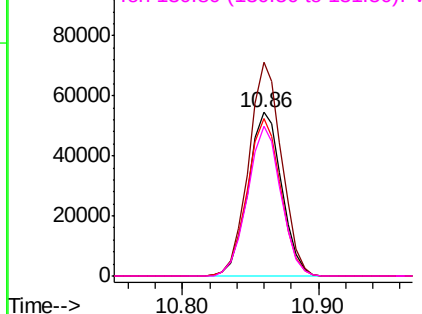
Abundance

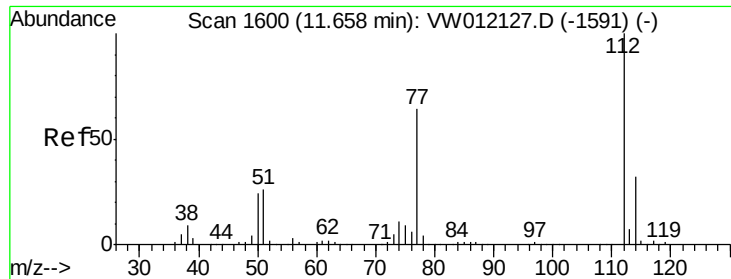
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





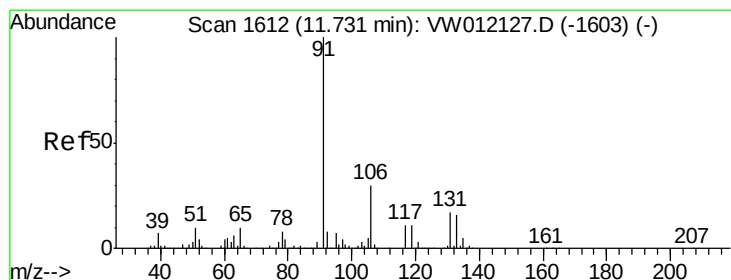
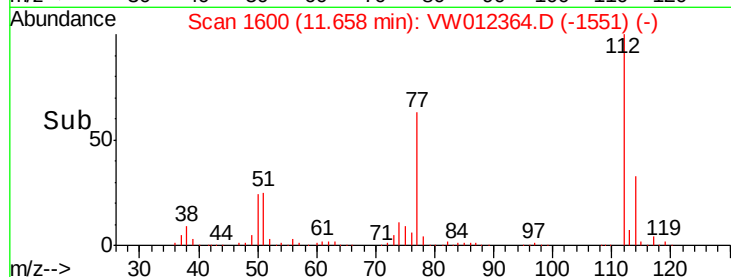
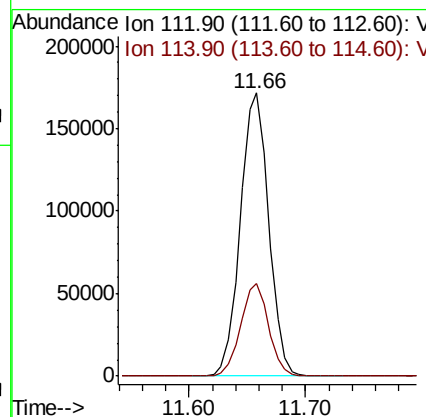
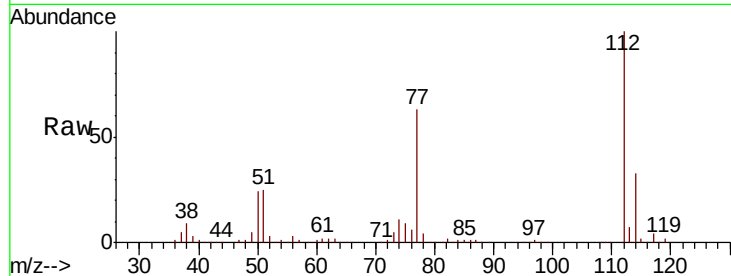
#65
Chlorobenzene
Concen: 55.463 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

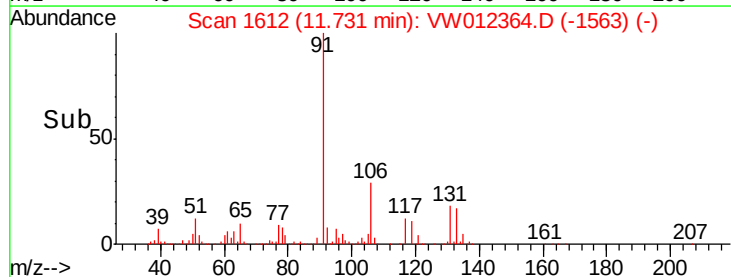
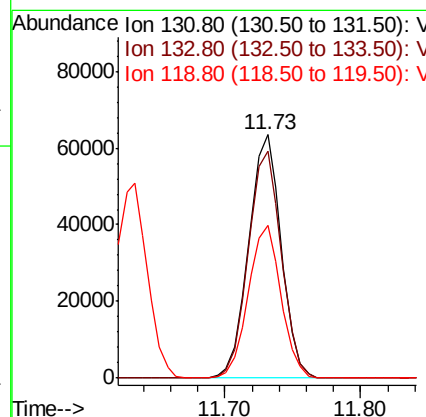
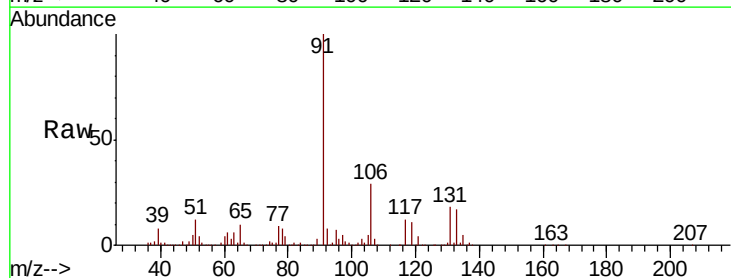
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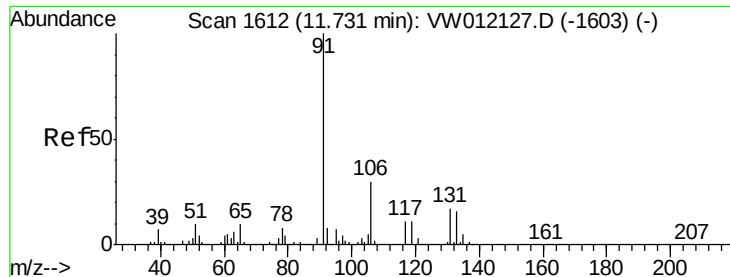
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.085 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.1	141.3
119	63.1	31.8	95.3





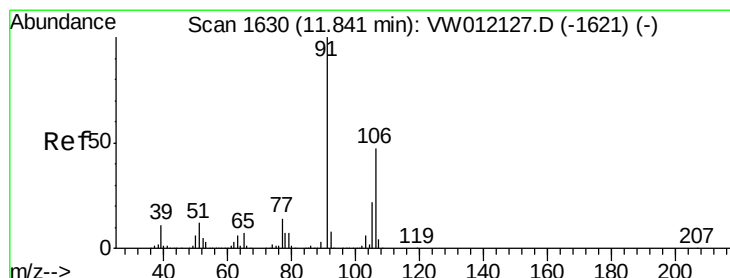
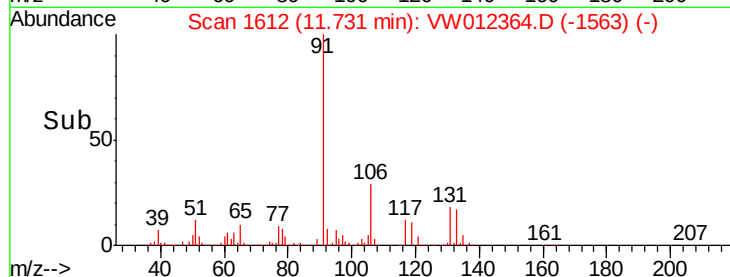
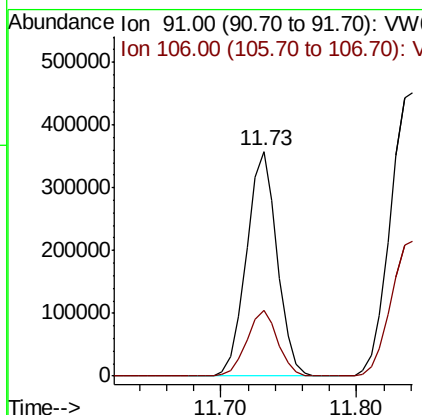
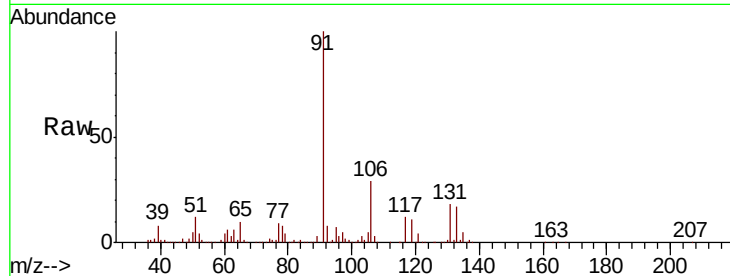
#67
Ethyl Benzene
Concen: 55.771 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.3	36.5

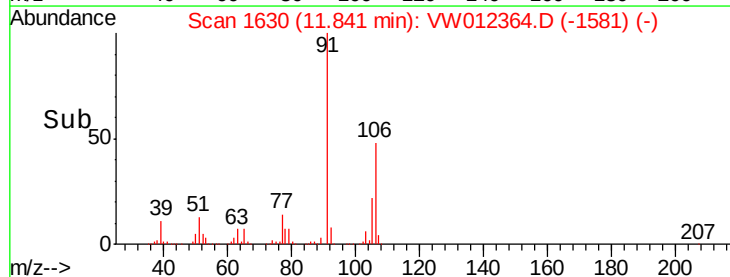
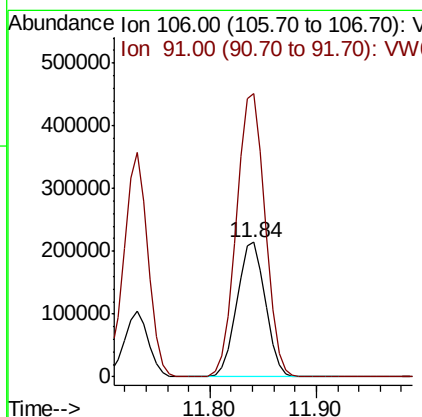
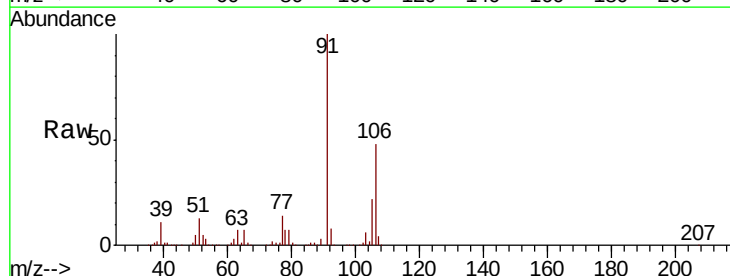
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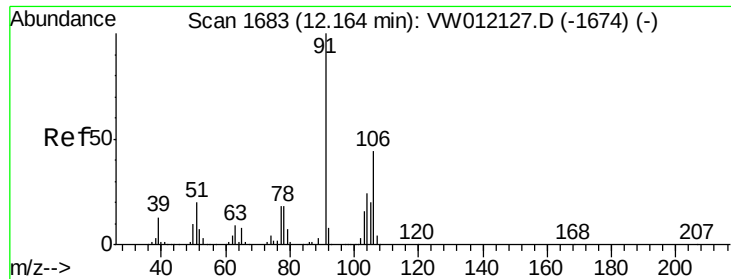
MMDadoda
8/31/2019 9:11:42 AM



#68
m/p-Xylenes
Concen: 111.105 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.5	169.5	254.3





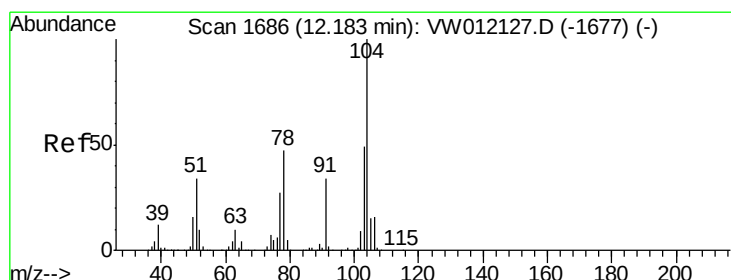
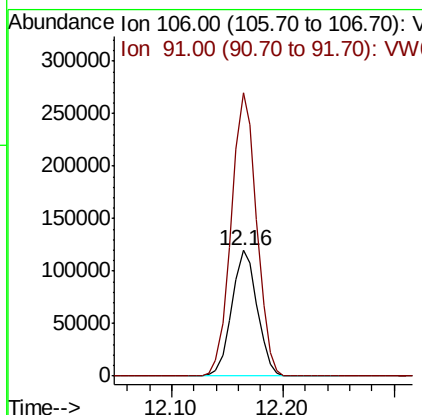
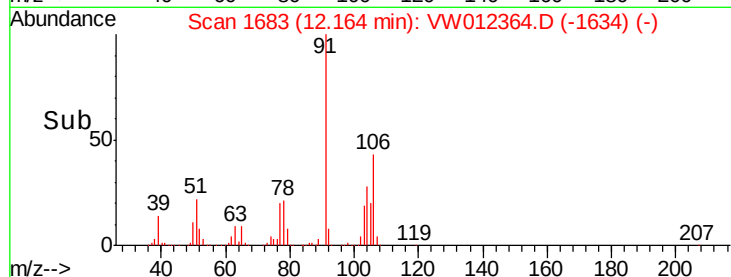
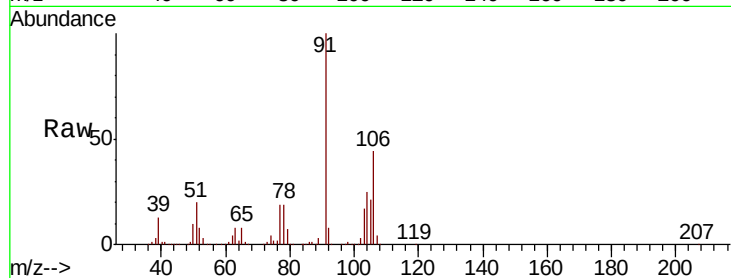
#69
o-Xylene
Concen: 56.170 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.2	111.6	334.6

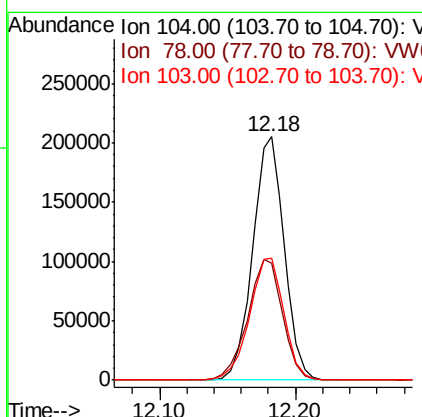
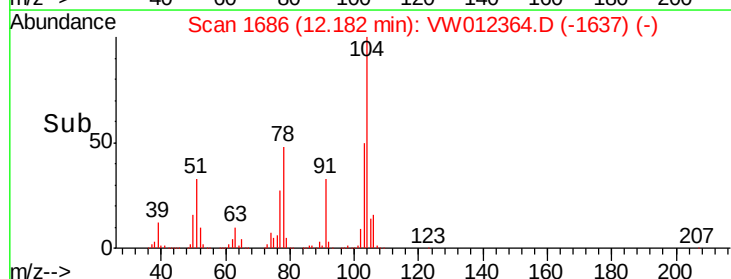
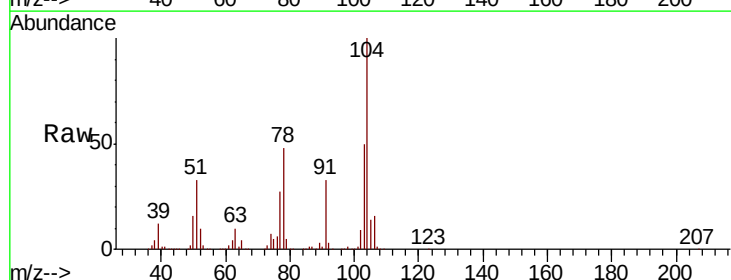
Manual Integrations
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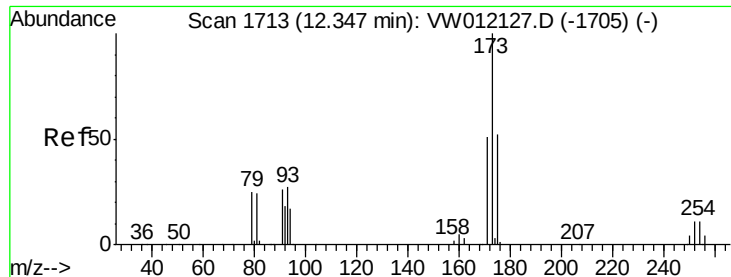
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#70
Styrene
Concen: 57.310 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.6	43.1	64.7
103	54.5	43.5	65.3





#71

Bromoform

Concen: 60.824 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 55461

Ion Ratio Lower Upper

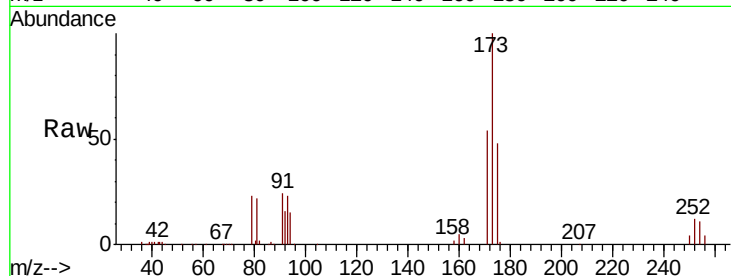
173 100

175 48.6 24.6 74.0

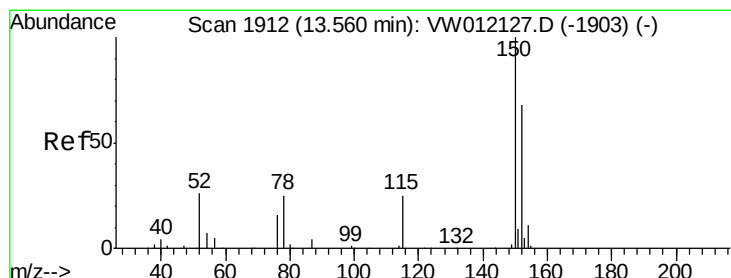
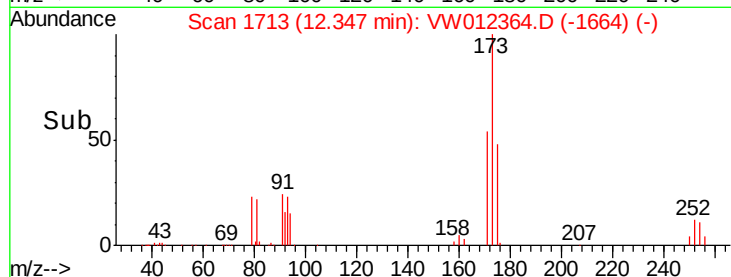
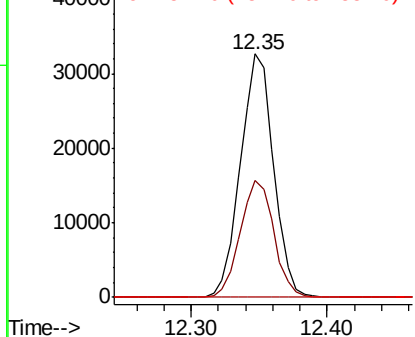
254 0.0 0.2 0.2#

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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: VW012364.D

Acq: 30 Aug 2019 22:10

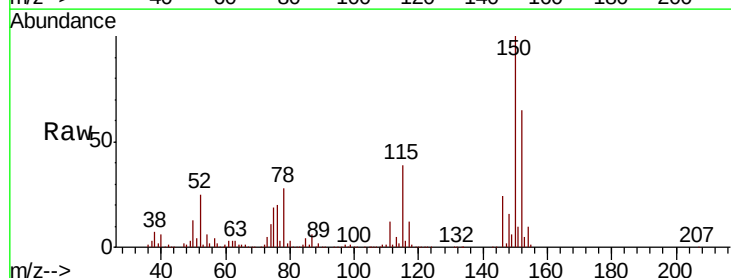
Tgt Ion:152 Resp: 127382

Ion Ratio Lower Upper

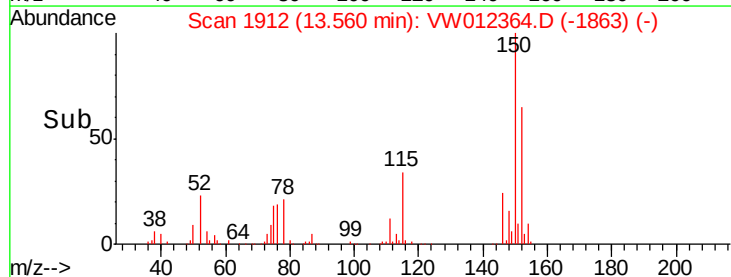
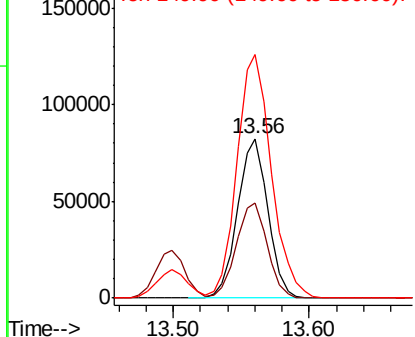
152 100

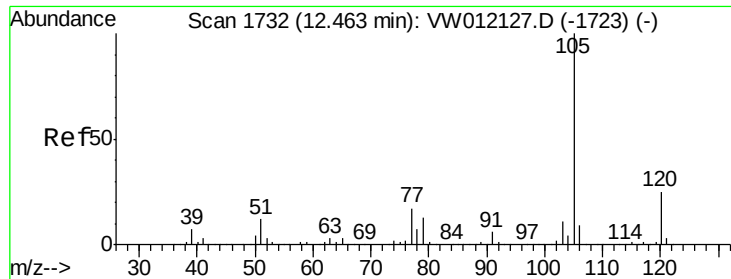
115 61.2 30.1 90.3

150 174.2 0.0 345.8



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





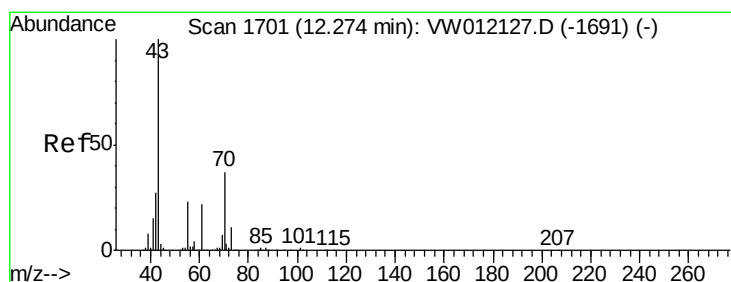
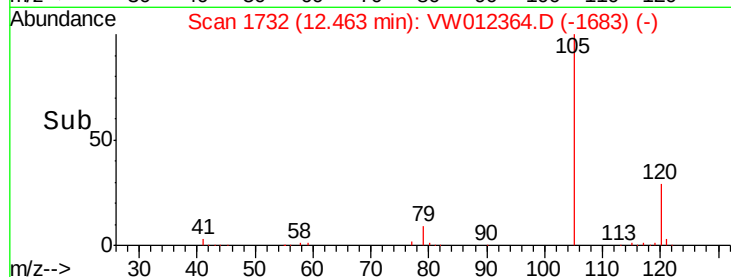
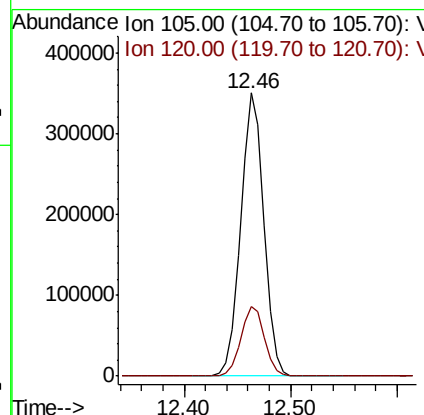
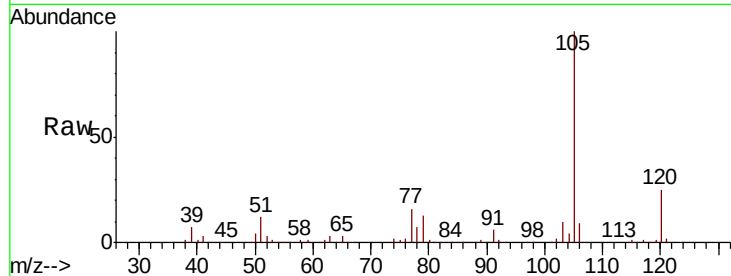
#73
Isopropylbenzene
Concen: 55.841 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.5	37.5

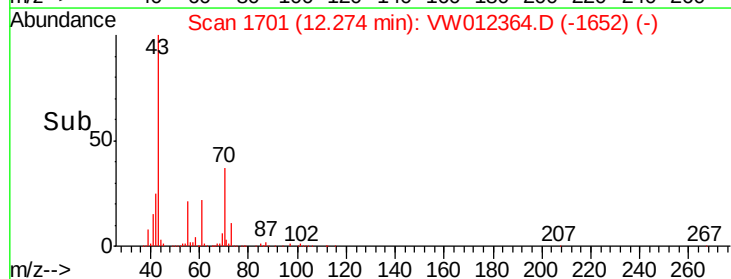
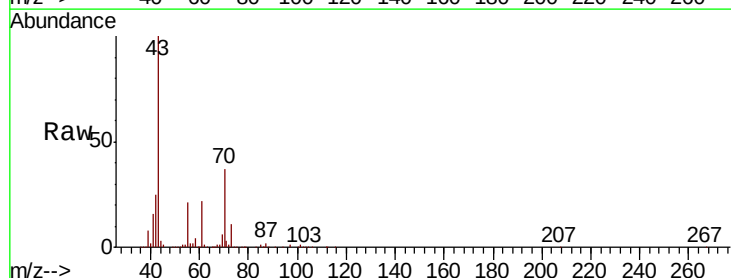
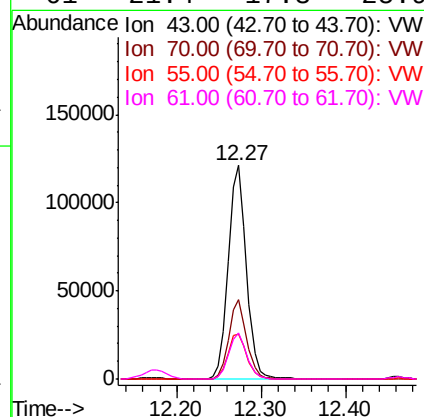
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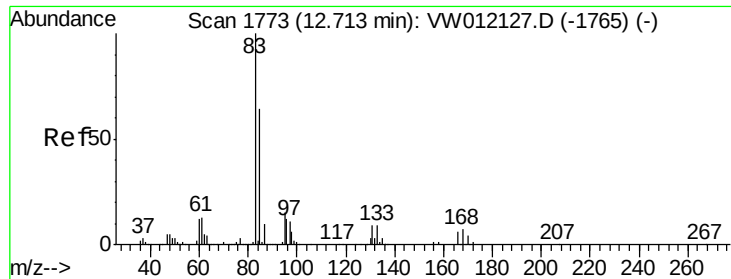
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#74
N-ethyl acetate
Concen: 61.725 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.2	28.6	43.0
55	22.2	17.8	26.6
61	21.4	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 58.827 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

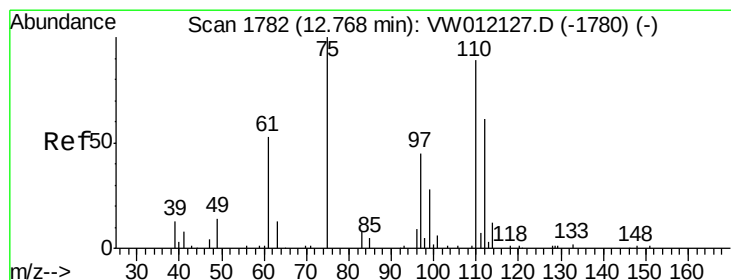
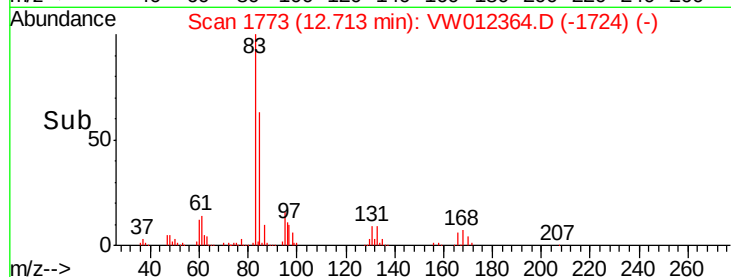
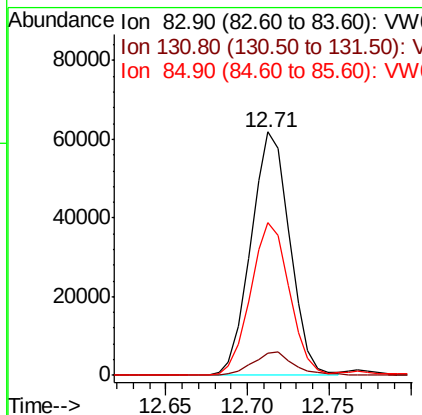
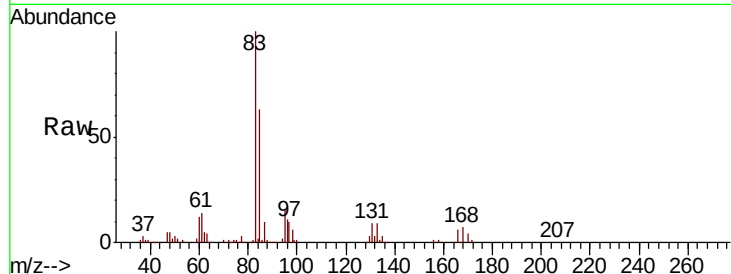
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	102940
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	62.9	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 57.339 ug/l m

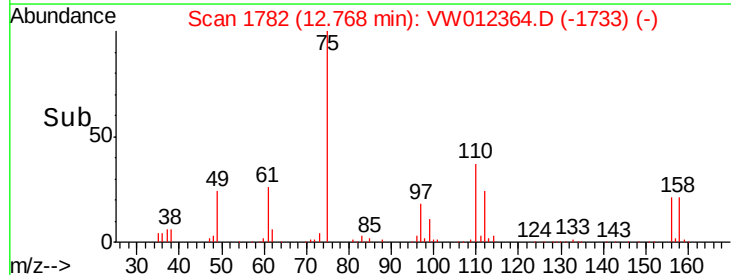
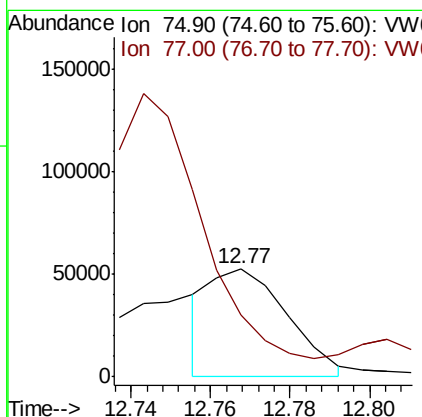
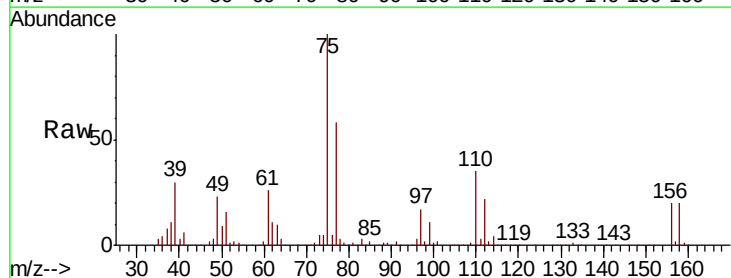
RT: 12.77 min Scan# 1782

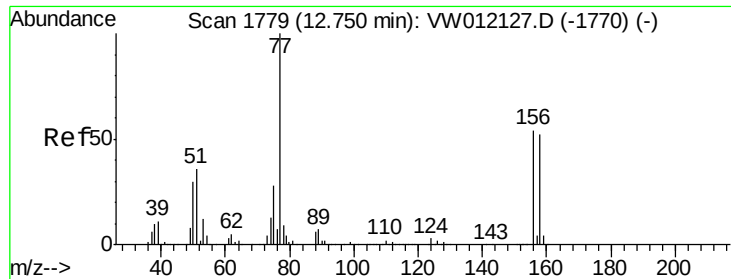
Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	75	Resp:	71135
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





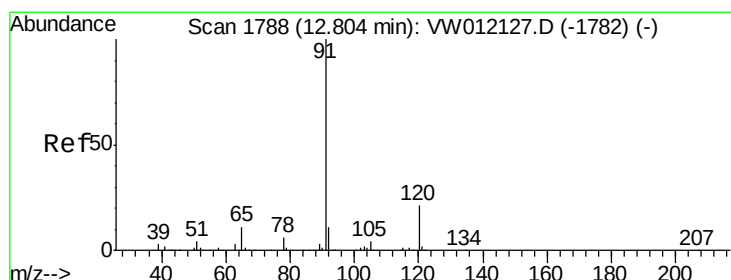
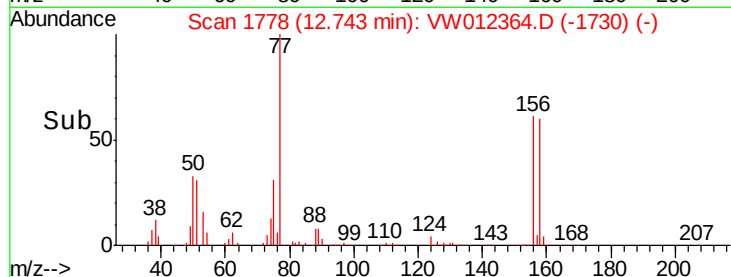
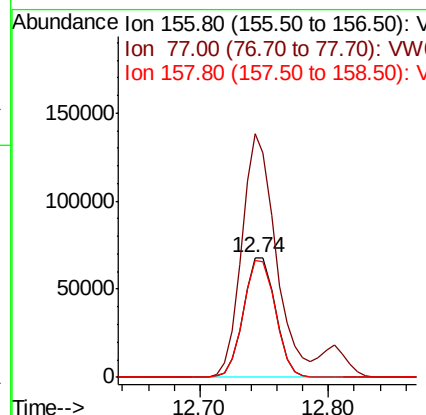
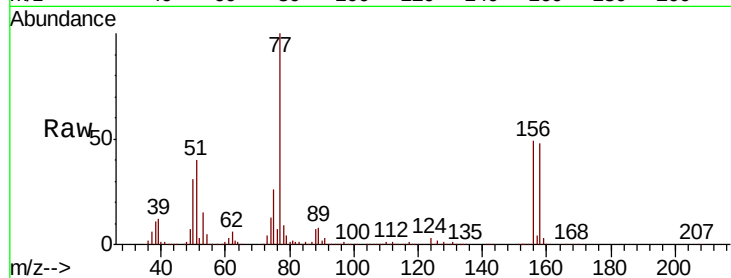
#77
Bromobenzene
Concen: 56.287 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.2	107.3	321.8
158	98.0	49.0	147.0

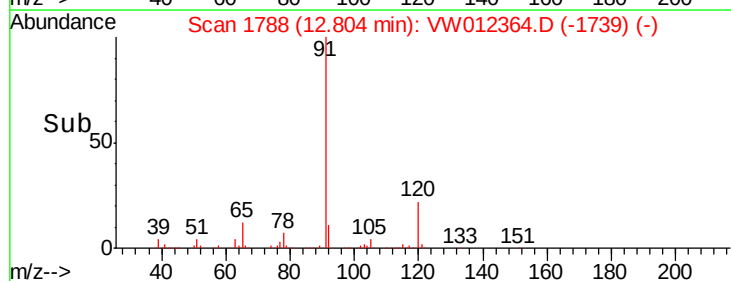
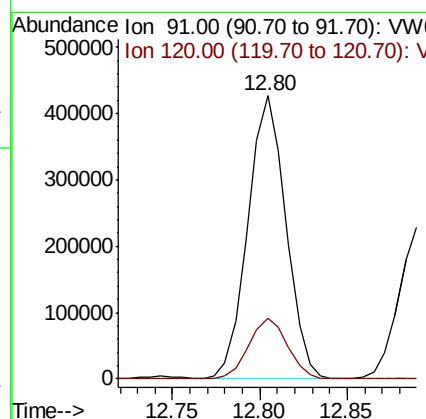
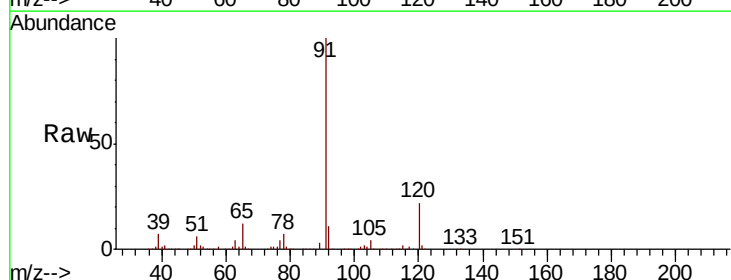
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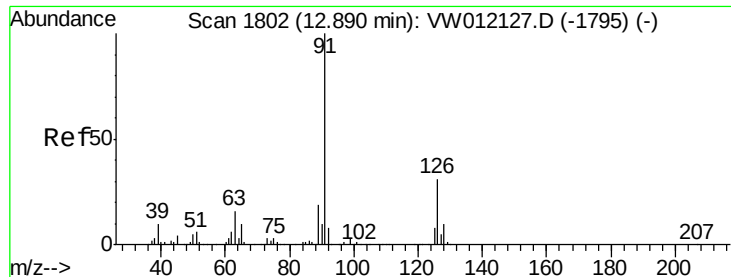
MMDadoda
8/31/2019 9:11:42 AM



#78
n-propylbenzene
Concen: 55.428 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.5	31.6





#79

2-Chlorotoluene

Concen: 55.601 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 367834

Ion Ratio Lower Upper

91 100

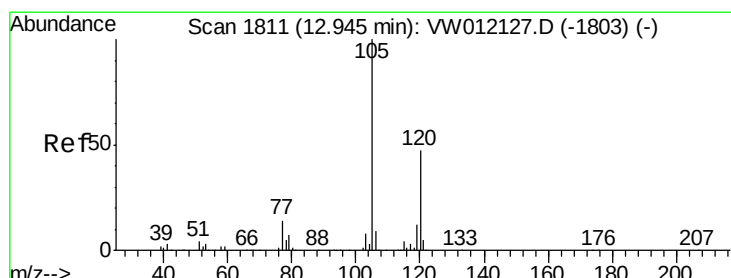
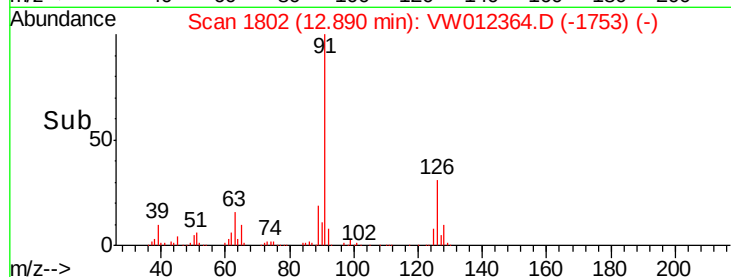
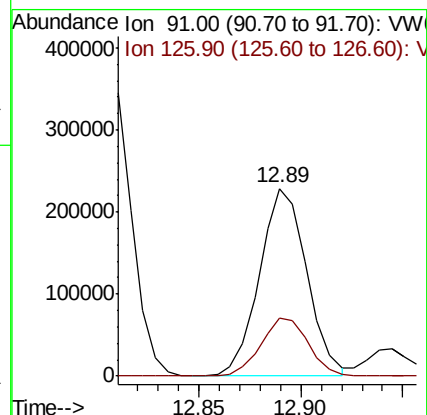
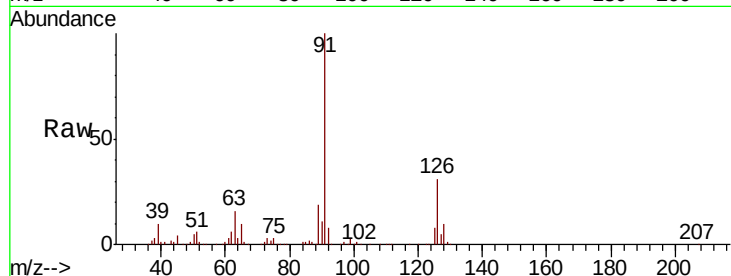
126 31.3 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 56.620 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012364.D

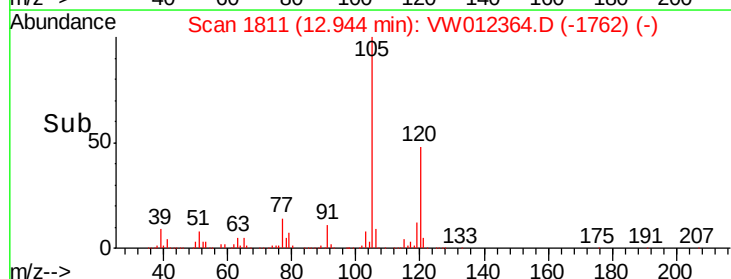
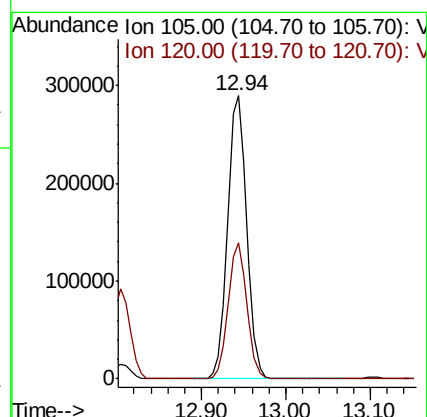
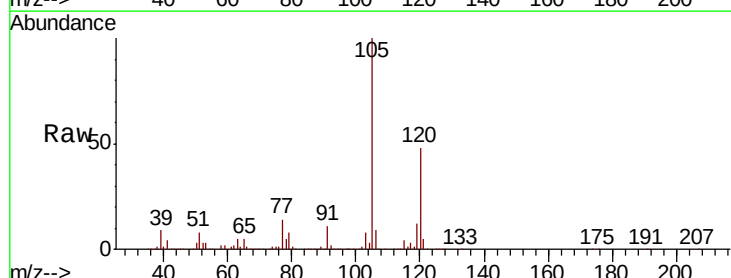
Acq: 30 Aug 2019 22:10

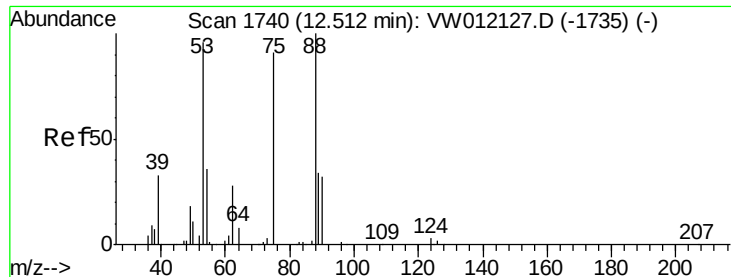
Tgt Ion:105 Resp: 451584

Ion Ratio Lower Upper

105 100

120 47.3 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.233 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Instrument :

MSVOA_W

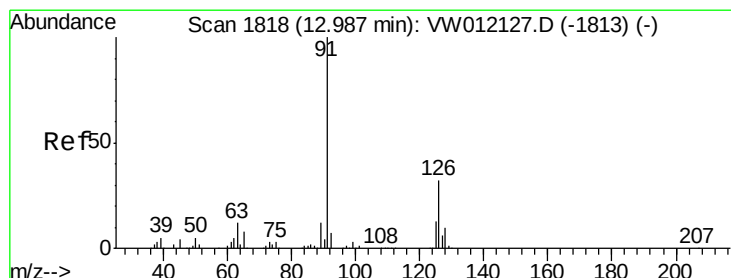
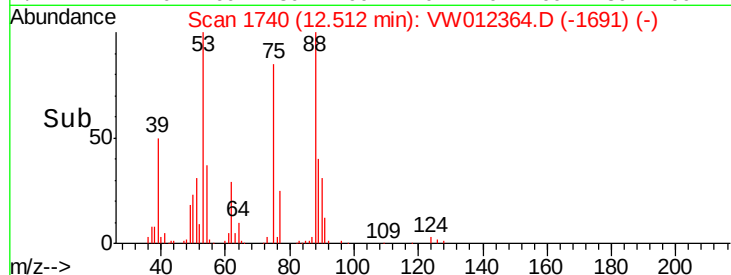
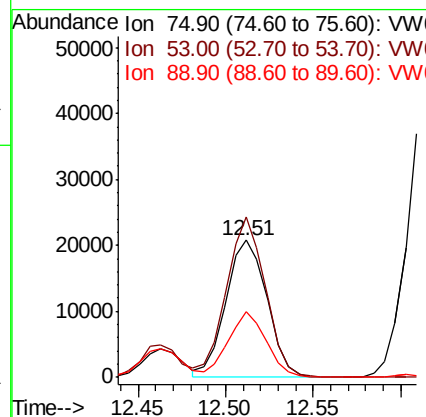
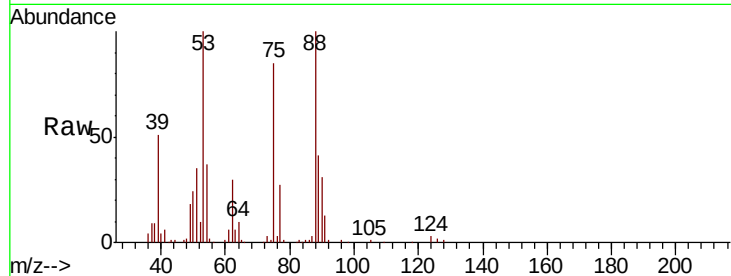
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	33516
Ion	Ratio	Lower	Upper
75	100		
53	112.7	89.4	134.0
89	44.5	34.5	51.7

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#82

4-Chlorotoluene

Concen: 55.396 ug/l

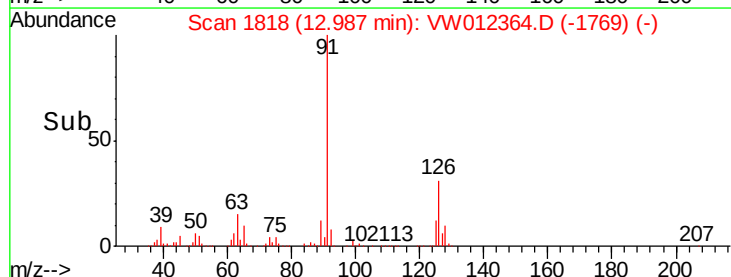
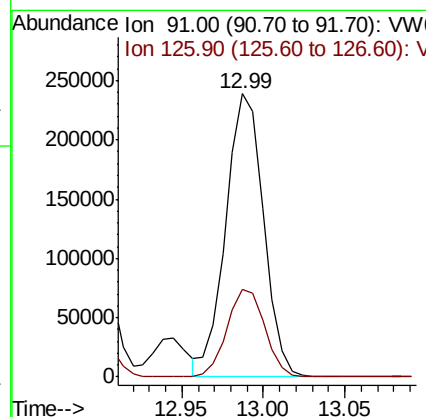
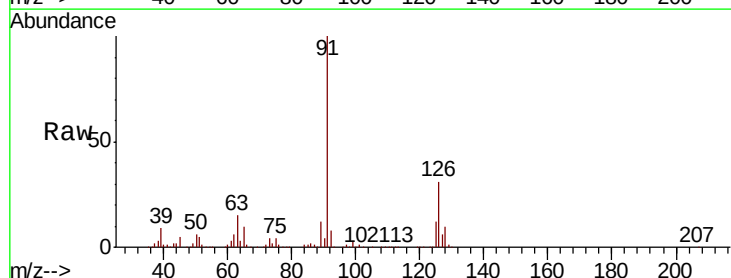
RT: 12.99 min Scan# 1818

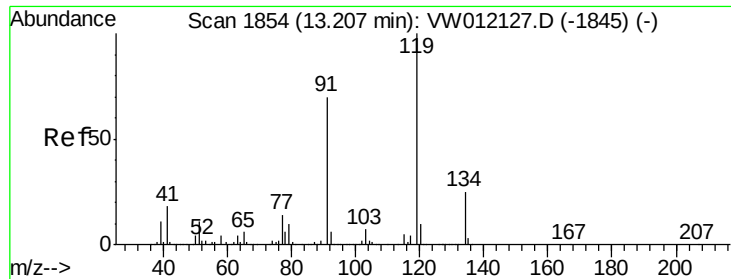
Delta R.T. -0.00 min

Lab File: VW012364.D

Acq: 30 Aug 2019 22:10

Tgt Ion:	91	Resp:	383726
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





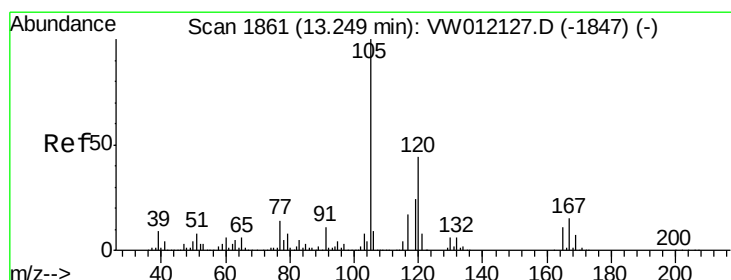
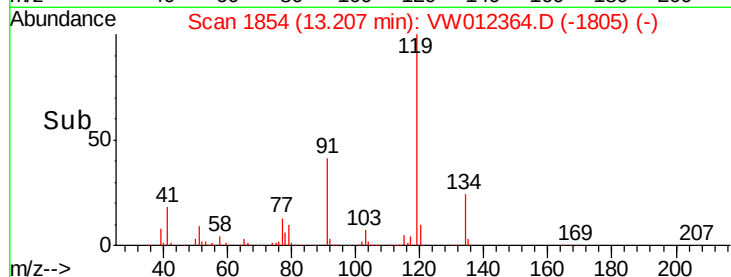
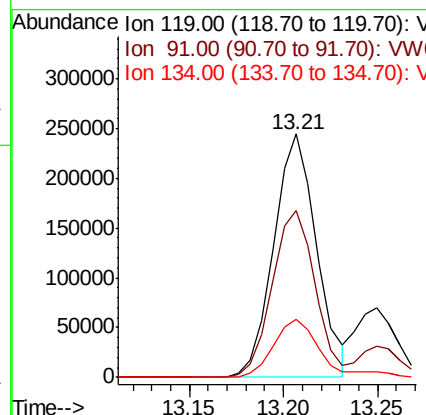
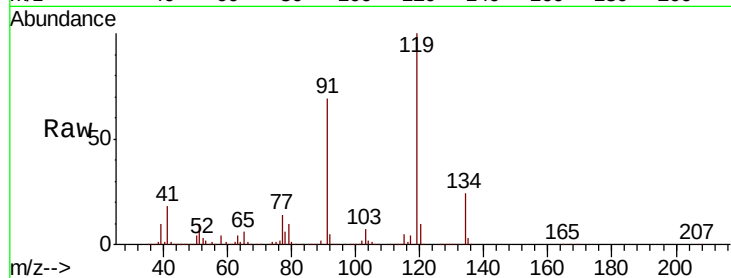
#83
tert-Butylbenzene
Concen: 56.941 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.8	104.3
134	26.2	13.3	39.8

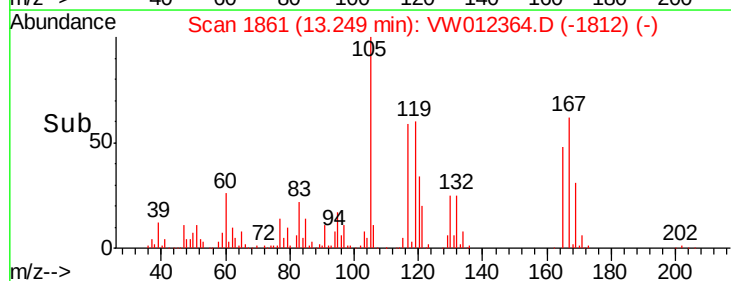
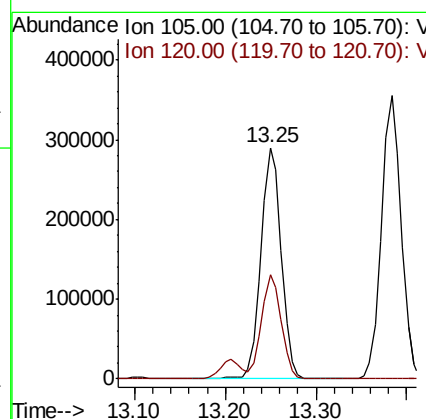
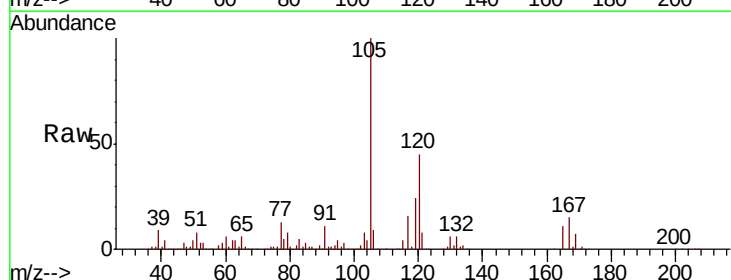
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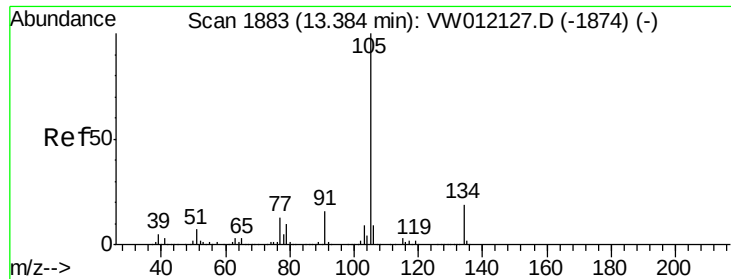
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#84
1,2,4-Trimethylbenzene
Concen: 56.117 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.7





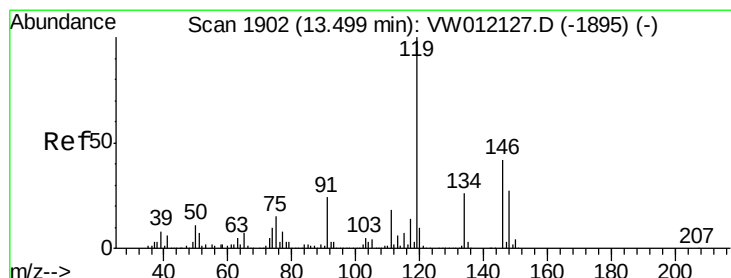
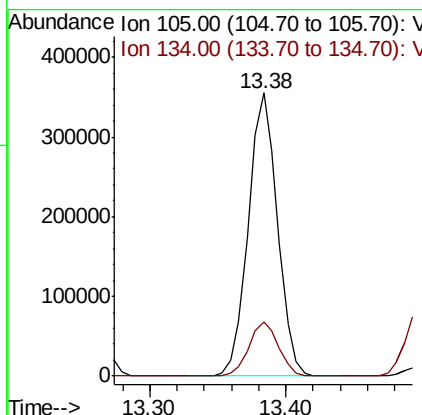
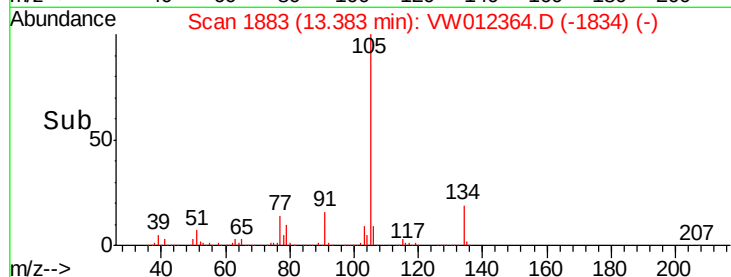
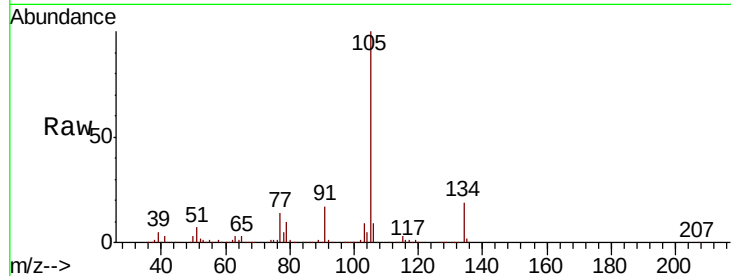
#85
 sec-Butylbenzene
 Concen: 55.071 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

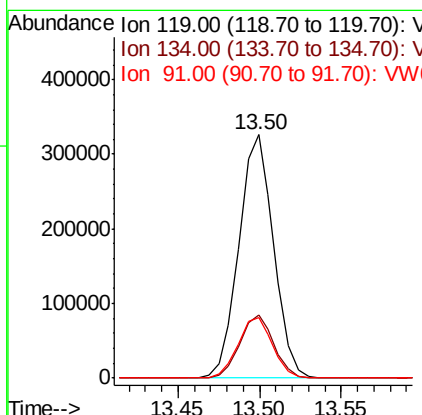
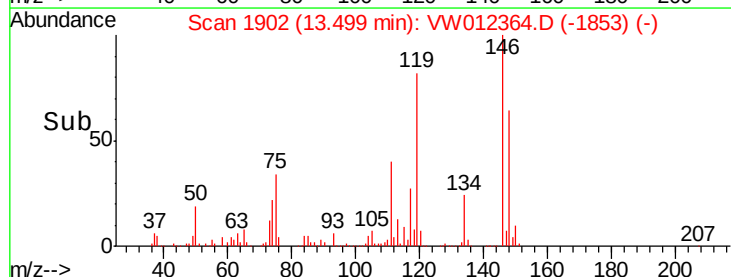
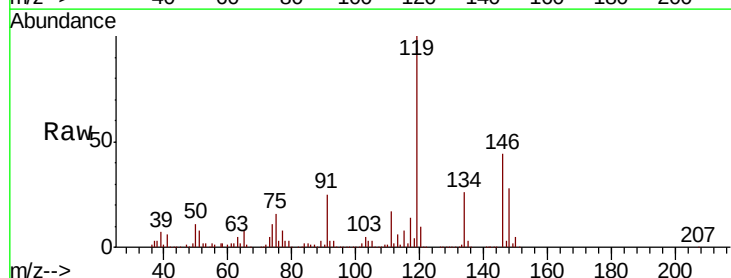
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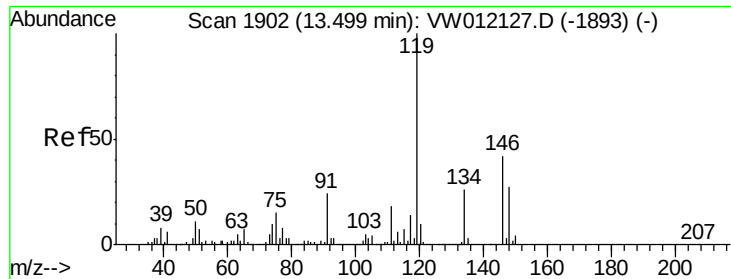
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#86
 p-Isopropyltoluene
 Concen: 55.603 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	24.9	12.3	36.9





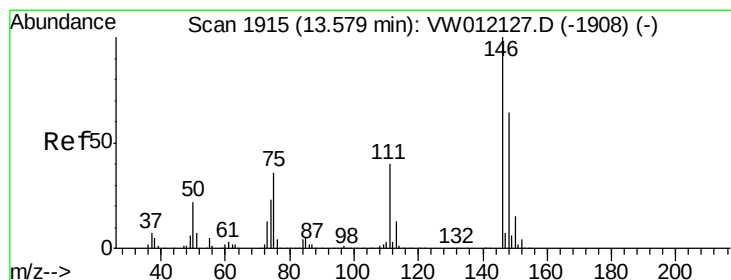
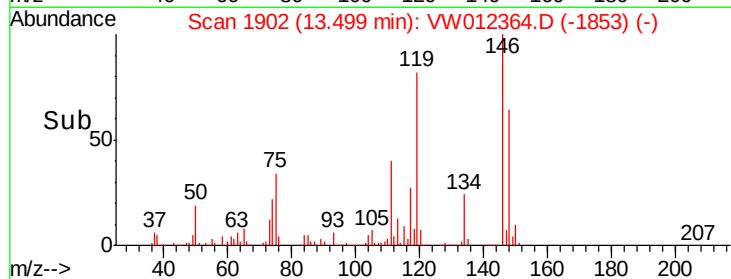
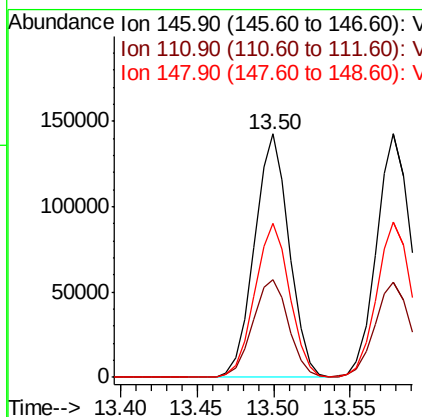
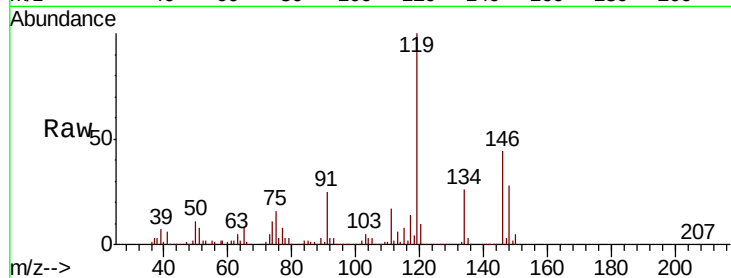
#87
 1,3-Dichlorobenzene
 Concen: 55.694 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	224944		
111	41.5	20.9	62.7	
148	63.7	32.2	96.6	

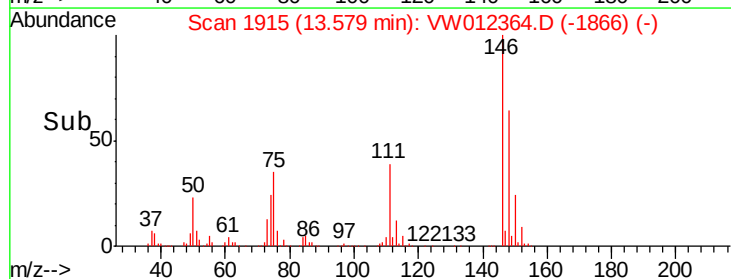
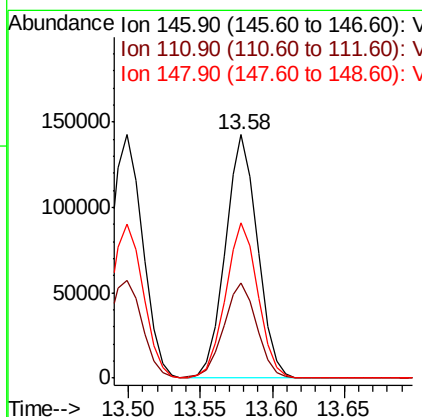
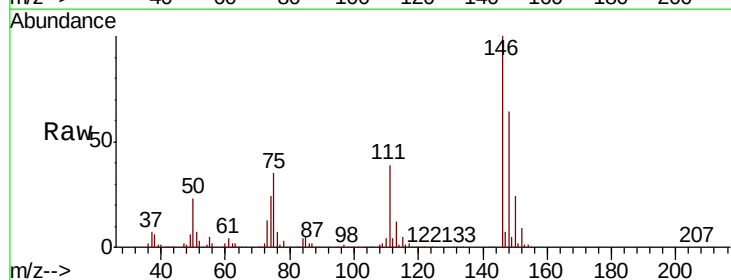
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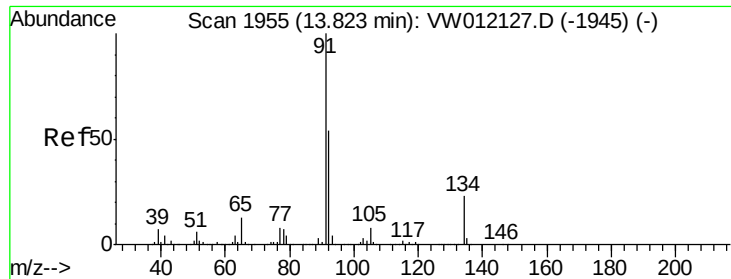
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#88
 1,4-Dichlorobenzene
 Concen: 55.671 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	223261		
111	39.9	20.0	60.0	
148	64.0	32.1	96.3	





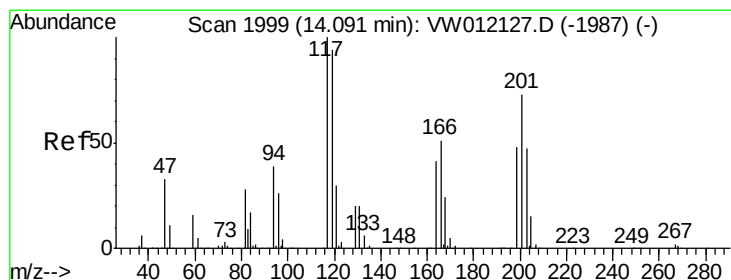
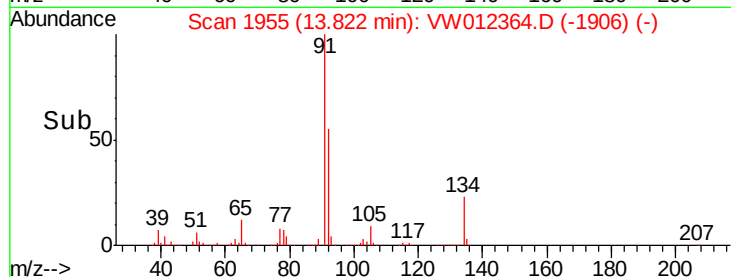
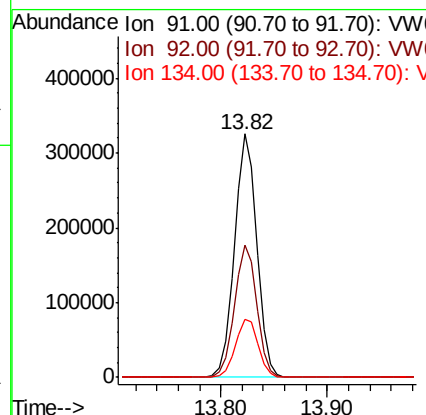
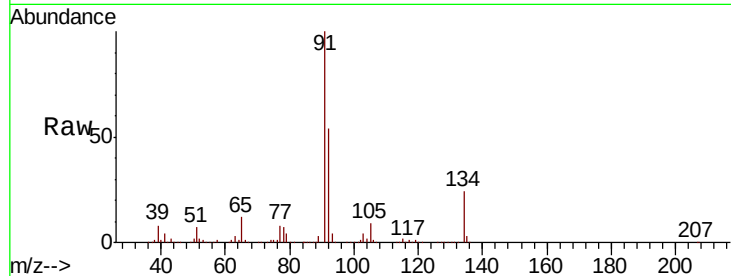
#89
n-Butylbenzene
Concen: 55.628 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	478181		
92	54.2		27.1	81.2
134	24.4		12.2	36.4

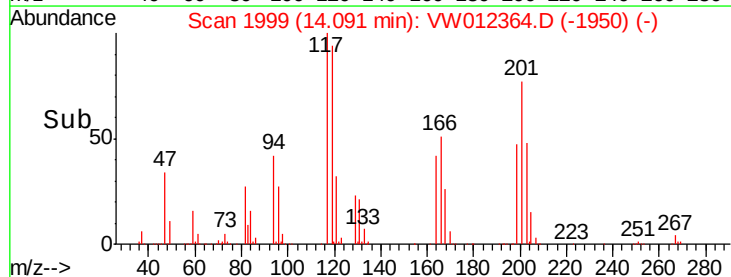
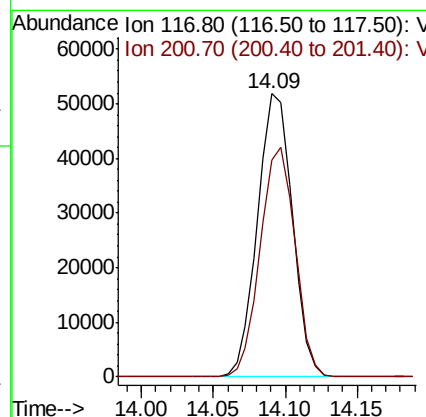
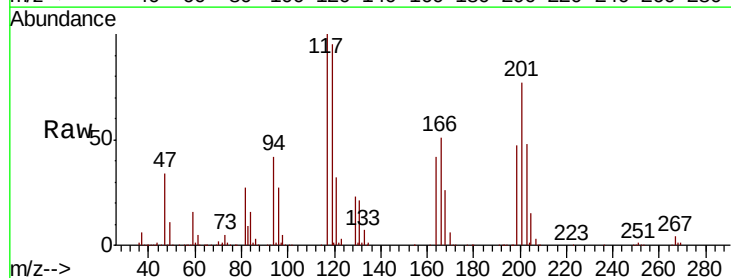
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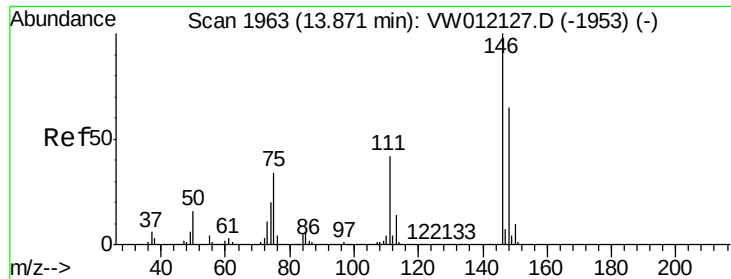
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#90
Hexachloroethane
Concen: 57.273 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	86860		
201	81.2		38.6	115.7





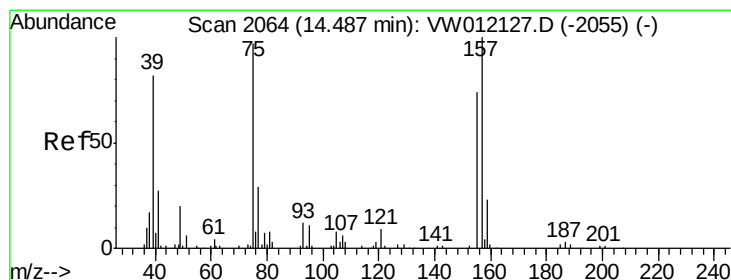
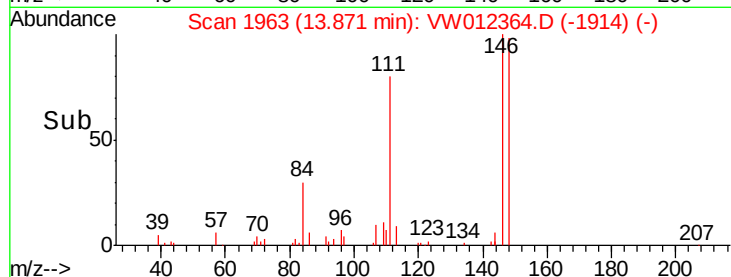
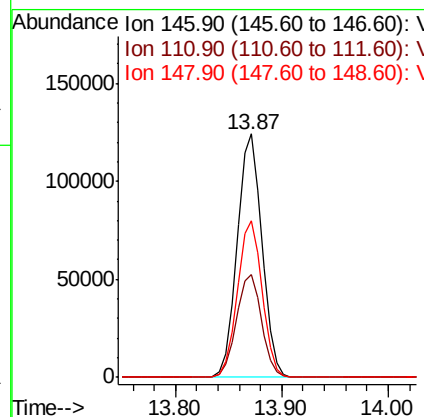
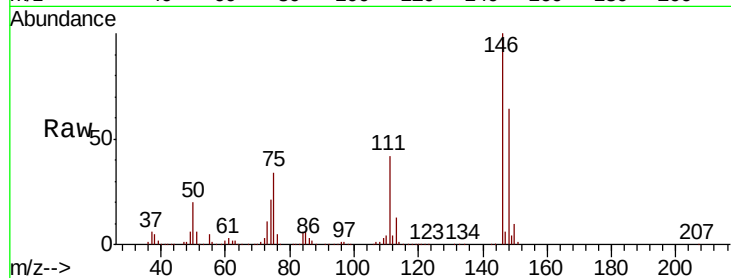
#91
 1,2-Dichlorobenzene
 Concen: 57.293 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	63.9	32.5	97.4

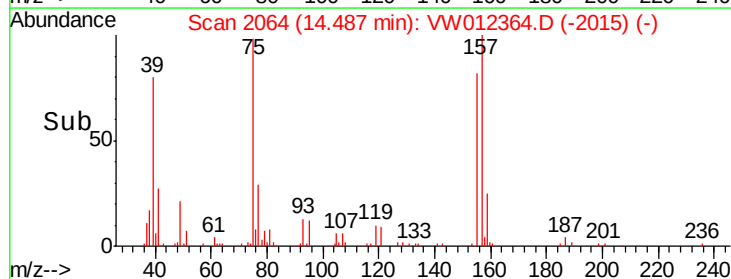
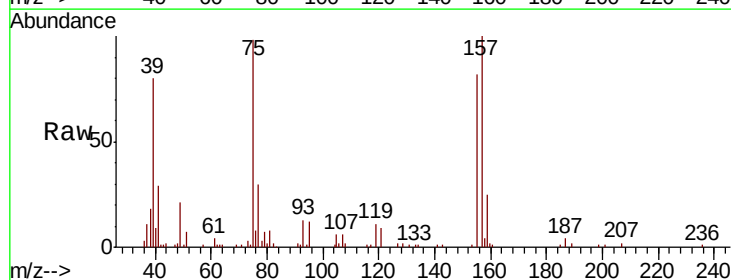
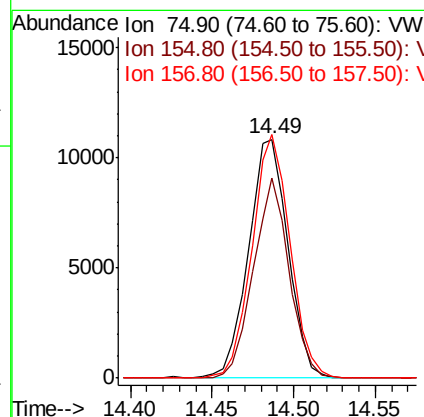
Manual Integrations
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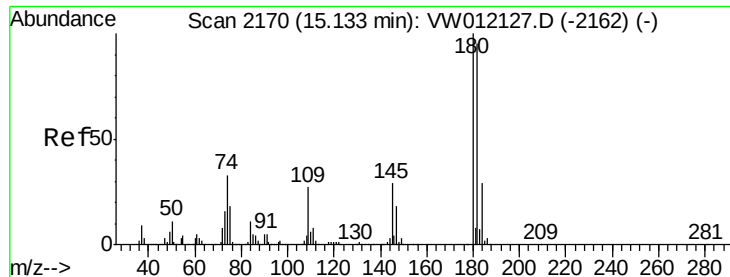
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.861 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	37.5	112.3
157	98.6	50.5	151.5





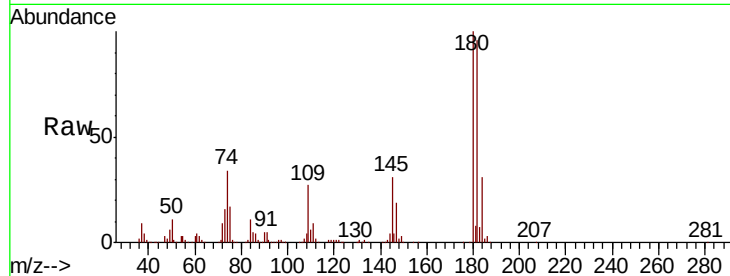
#93
 1,2,4-Trichlorobenzene
 Concen: 58.273 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

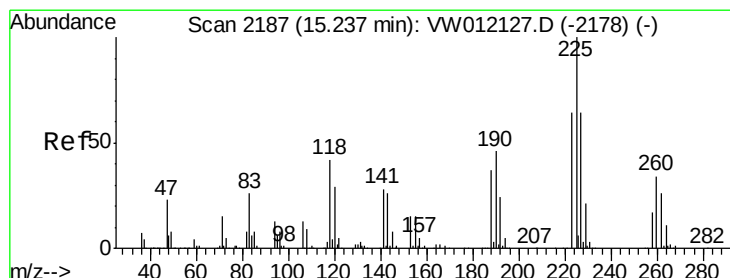
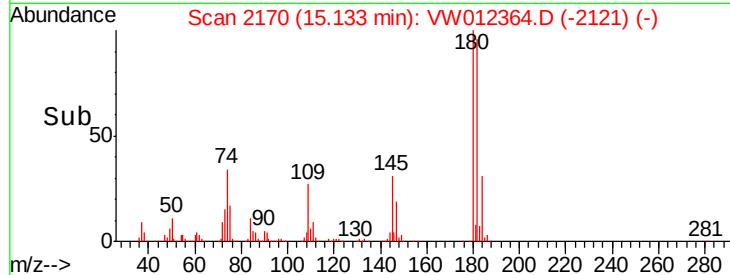
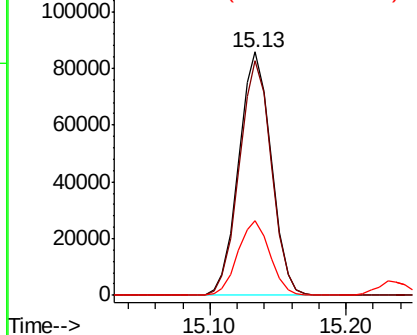
Tot Ion:	180	Resp:	142687
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.4
145	30.3	15.0	45.1

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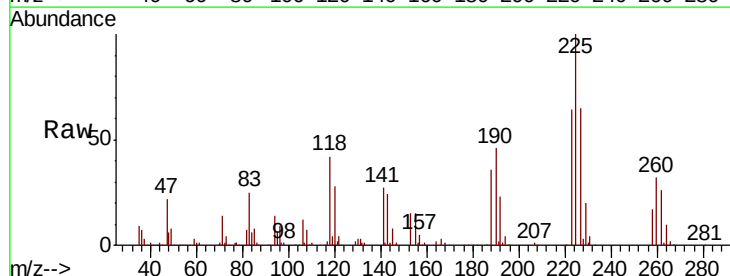


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

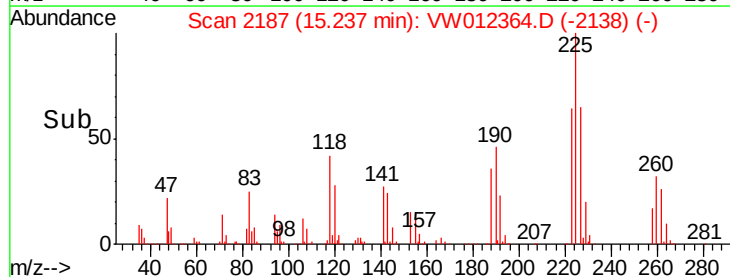
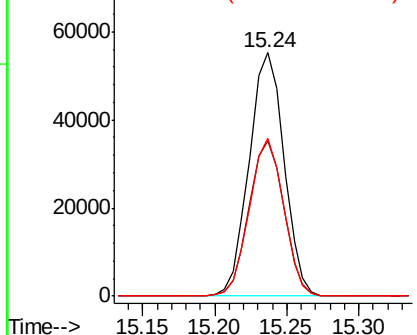


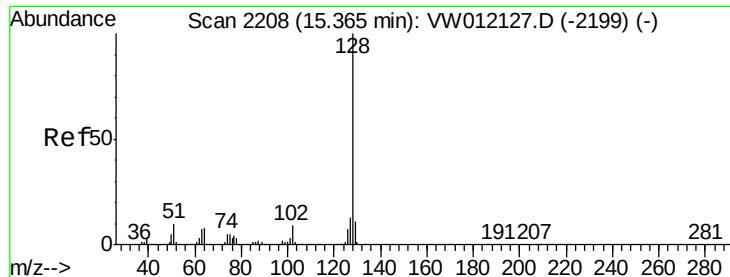
#94
 Hexachlorobutadiene
 Concen: 57.333 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012364.D
 Acq: 30 Aug 2019 22:10

Tgt Ion:	225	Resp:	92695
Ion Ratio	Lower	Upper	
225	100		
223	63.7	32.3	96.8
227	63.7	32.9	98.6



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





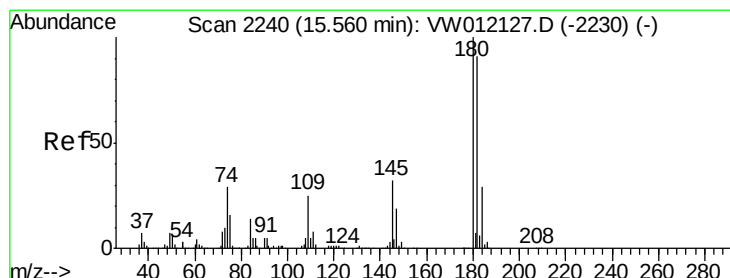
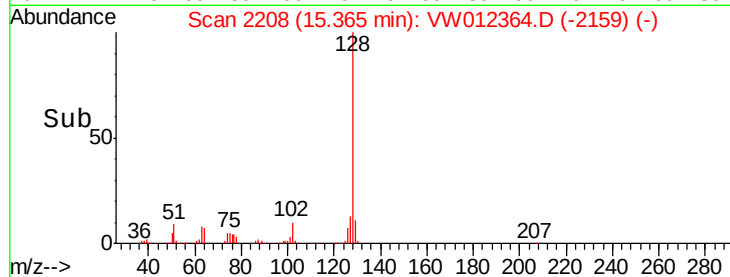
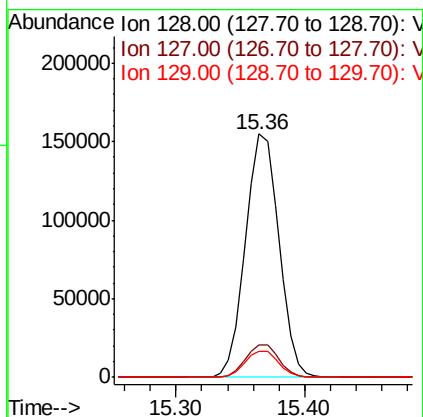
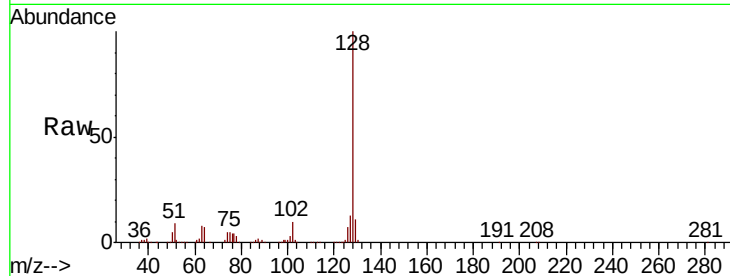
#95
Naphthalene
Concen: 57.208 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/31/2019 9:11:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 59.122 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012364.D
Acq: 30 Aug 2019 22:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	32.1	16.2	48.5

