

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012510.D
 Acq On : 02 Sep 2019 20:02
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:55:43 AM

Quant Time: Sep 03 08:30:59 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	199957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	279798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122865	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
35) Dibromofluoromethane	7.88	113	101415	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.32	98	404936	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	12.62	95	145634	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	57210	46.466	ug/l	97
3) Chloromethane	2.21	50	92061	48.263	ug/l	98
4) Vinyl Chloride	2.36	62	98495	42.187	ug/l	99
5) Bromomethane	2.76	94	55911	47.286	ug/l	97
6) Chloroethane	2.91	64	63875	48.499	ug/l	98
7) Trichlorofluoromethane	3.25	101	58673	50.048	ug/l	100
8) Diethyl Ether	3.68	74	56124	50.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	98526	49.443	ug/l	96
10) Methyl Iodide	4.26	142	148838	55.203	ug/l	99
11) Tert butyl alcohol	5.19	59	40836	285.473	ug/l	100
12) 1,1-Dichloroethene	4.04	96	101034	50.374	ug/l	94
13) Acrolein	3.89	56	8594	63.823	ug/l	97
14) Allyl chloride	4.66	41	225451	52.580	ug/l	99
15) Acrylonitrile	5.37	53	151807	275.237	ug/l	99
16) Acetone	4.12	43	129603	213.299	ug/l	98
17) Carbon Disulfide	4.38	76	283220	46.724	ug/l	99
18) Methyl Acetate	4.67	43	87327	58.027	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	199165	61.405	ug/l	95
20) Methylene Chloride	4.92	84	117097	50.978	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	114863	53.405	ug/l	96
22) Diisopropyl ether	6.31	45	447258	56.274	ug/l	95
23) Vinyl Acetate	6.25	43	1350279	276.061	ug/l	99
24) 1,1-Dichloroethane	6.21	63	237734	54.936	ug/l	100
25) 2-Butanone	7.17	43	216652	262.394	ug/l	99
26) 2,2-Dichloropropane	7.17	77	128754	52.566	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	131538	57.243	ug/l	98
28) Bromochloromethane	7.51	49	95064	50.402	ug/l	94
29) Tetrahydrofuran	7.53	42	141125	284.889	ug/l	98
30) Chloroform	7.67	83	222383	56.169	ug/l	100
31) Cyclohexane	7.95	56	202562	47.311	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	175373	55.993	ug/l	98
36) 1,1-Dichloropropene	8.08	75	174464	52.217	ug/l	99
37) Ethyl Acetate	7.25	43	100617	54.955	ug/l	99
38) Carbon Tetrachloride	8.07	117	152526	52.744	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	194372	51.784	ug/l	97
40) Benzene	8.32	78	493651	54.110	ug/l	98
41) Methacrylonitrile	7.48	41	66971	62.236	ug/l	96
42) 1,2-Dichloroethane	8.40	62	158825	55.547	ug/l	98
43) Isopropyl Acetate	8.42	43	195399	57.616	ug/l	100
44) Trichloroethene	9.09	130	122981	55.452	ug/l	95
45) 1,2-Dichloropropane	9.37	63	132549	53.984	ug/l	98
46) Dibromomethane	9.46	93	60380	55.271	ug/l	96
47) Bromodichloromethane	9.64	83	163749	56.320	ug/l	97
48) Methyl methacrylate	9.43	41	94456	58.519	ug/l	97
49) 1,4-Dioxane	9.46	88	18491	1105.653	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	496611	287.898	ug/l	99
52) Toluene	10.38	92	303852	55.440	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	167885	56.687	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	201232	56.273	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	88755	57.422	ug/l	97
56) Ethyl methacrylate	10.65	69	137705	61.214	ug/l	99
57) 1,3-Dichloropropane	10.93	76	165151	56.541	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	310640	269.061	ug/l	99
59) 2-Hexanone	10.97	43	337782	276.753	ug/l	99
60) Dibromochloromethane	11.13	129	99492	57.790	ug/l	98
61) 1,2-Dibromoethane	11.23	107	83219	57.792	ug/l	100
64) Tetrachloroethene	10.86	164	104029	57.347	ug/l	99
65) Chlorobenzene	11.66	112	307148	55.749	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	112748	58.661	ug/l	99
67) Ethyl Benzene	11.73	91	595943	56.152	ug/l	100
68) m/p-Xylenes	11.84	106	425534	111.311	ug/l	100
69) o-Xylene	12.16	106	204666	57.844	ug/l	99
70) Styrene	12.18	104	359143	58.642	ug/l	100
71) Bromoform	12.35	173	57146	59.676	ug/l #	100
73) Isopropylbenzene	12.46	105	572465	55.977	ug/l	99
74) N-amyl acetate	12.27	43	178316	57.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	103510	55.209	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	69381m	52.196	ug/l	
77) Bromobenzene	12.74	156	125522	56.734	ug/l	97
78) n-propylbenzene	12.80	91	678099	54.313	ug/l	98
79) 2-Chlorotoluene	12.89	91	389643	54.970	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	476764	55.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	32907	54.279	ug/l	99
82) 4-Chlorotoluene	12.99	91	407187	54.863	ug/l	99
83) tert-Butylbenzene	13.21	119	414498	57.261	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	479939	55.909	ug/l	100
85) sec-Butylbenzene	13.38	105	569795	54.942	ug/l	100
86) p-Isopropyltoluene	13.50	119	519167	56.055	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	239838	55.422	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	236181	54.965	ug/l	100
89) n-Butylbenzene	13.82	91	501812	54.484	ug/l	99
90) Hexachloroethane	14.09	117	87869	54.075	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	213768	56.309	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17868	56.531	ug/l	98

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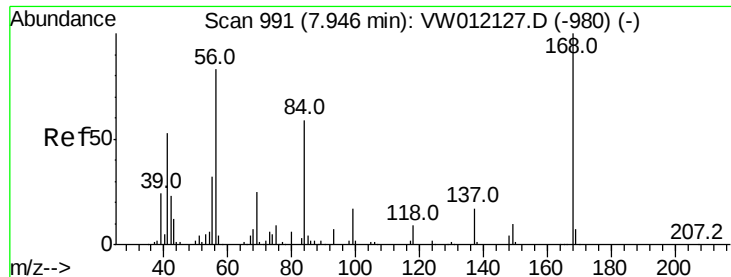
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	155564	59.296	ug/l	100
94) Hexachlorobutadiene	15.24	225	96702	55.823	ug/l	99
95) Naphthalene	15.36	128	290498	55.873	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	136171	59.491	ug/l	99

(#) = 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: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 199957

Ion Ratio Lower Upper

168 100

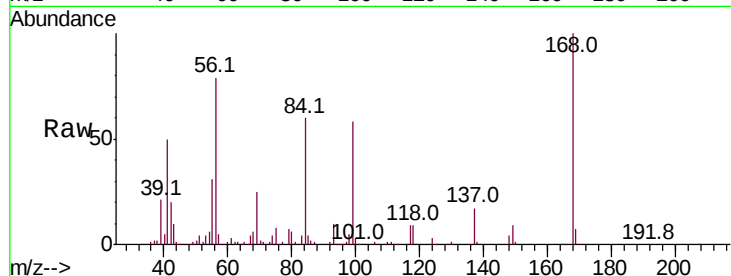
99 57.8 49.2 73.8

Manual Integrations

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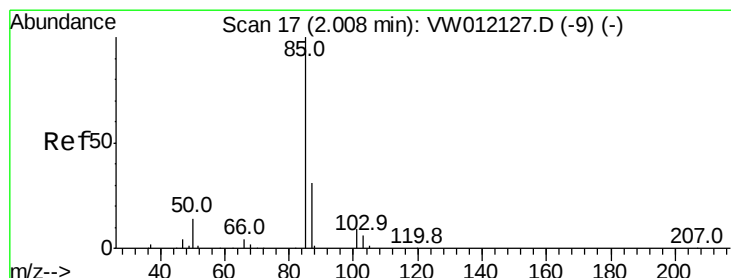
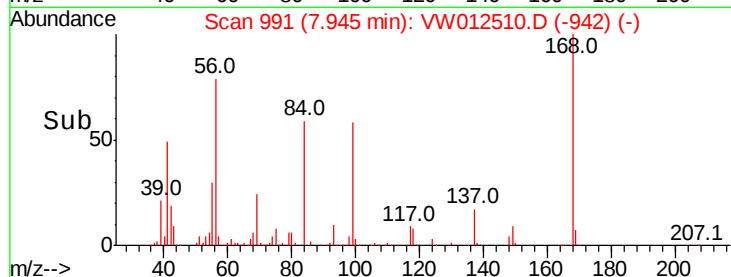
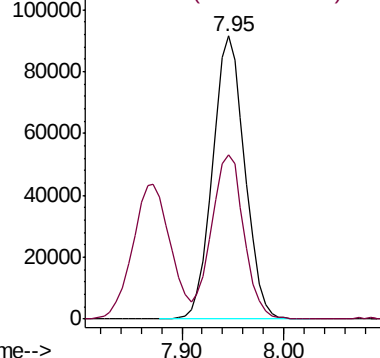
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.466 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012510.D

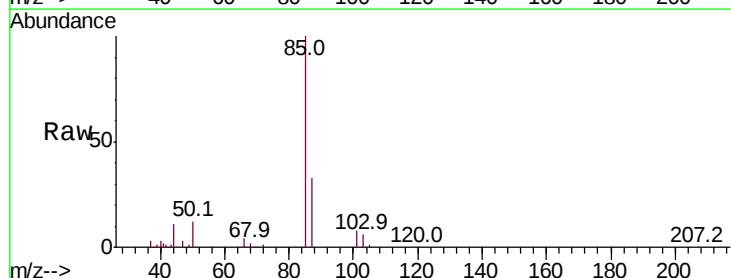
Acq: 02 Sep 2019 20:02

Tgt Ion: 85 Resp: 57210

Ion Ratio Lower Upper

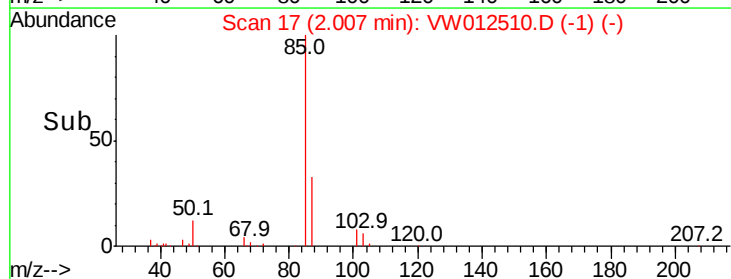
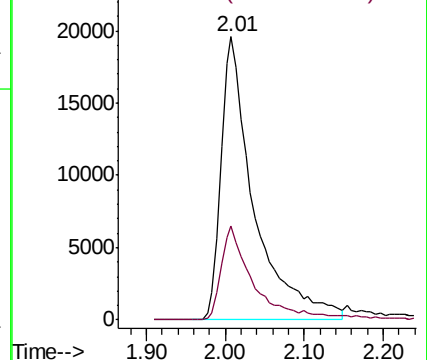
85 100

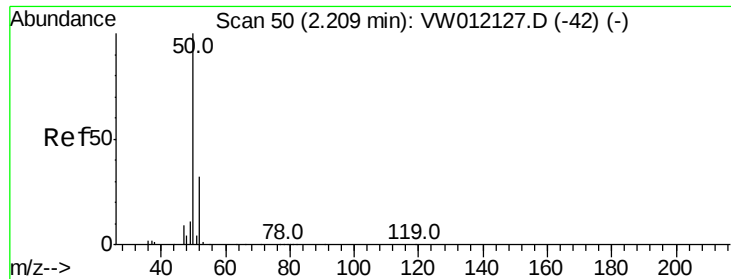
87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.263 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92061

Ion Ratio Lower Upper

50 100

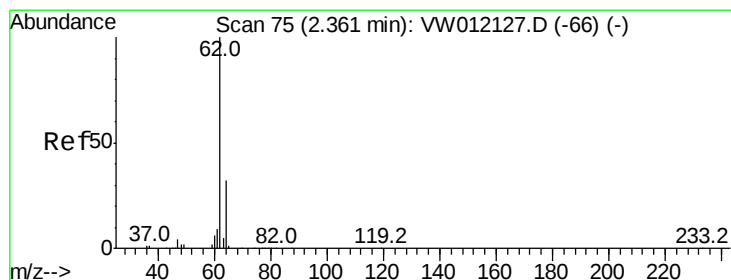
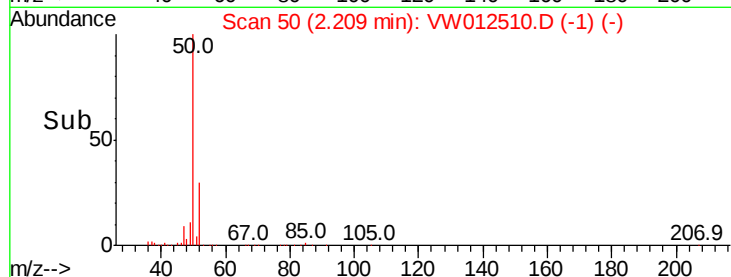
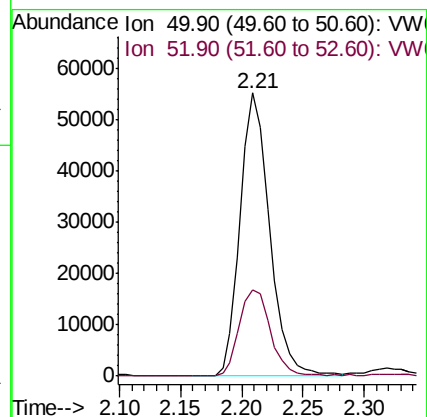
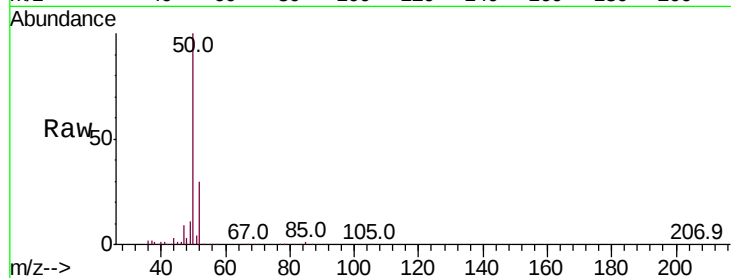
52 30.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.187 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012510.D

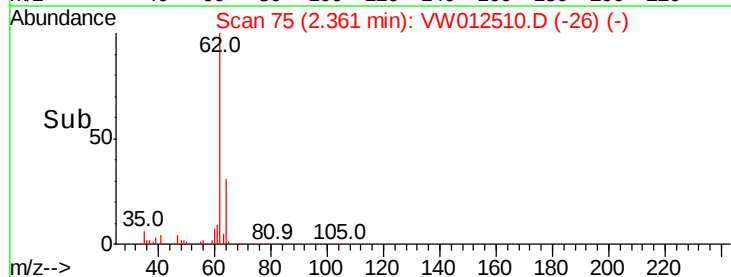
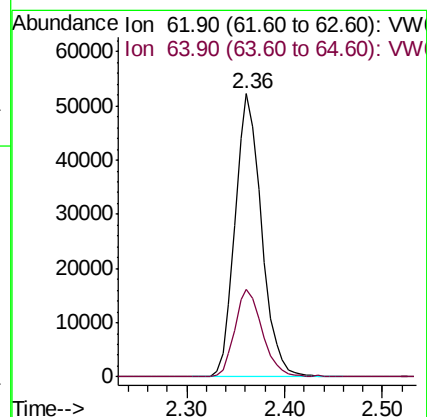
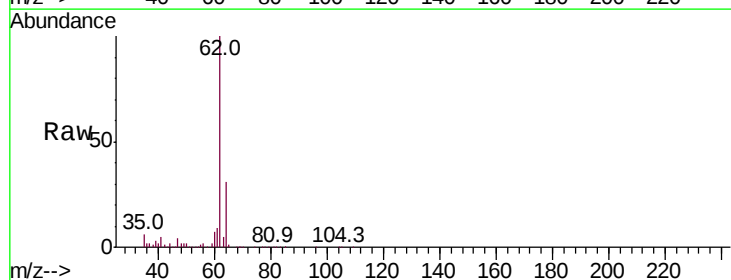
Acq: 02 Sep 2019 20:02

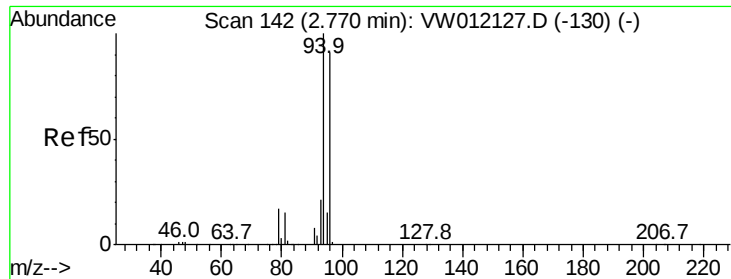
Tgt Ion: 62 Resp: 98495

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 47.286 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

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VSTDCCC050EC

Tot Ion: 94 Resp: 55911

Ion Ratio Lower Upper

94 100

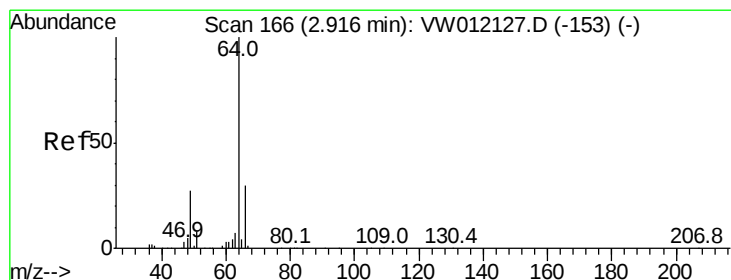
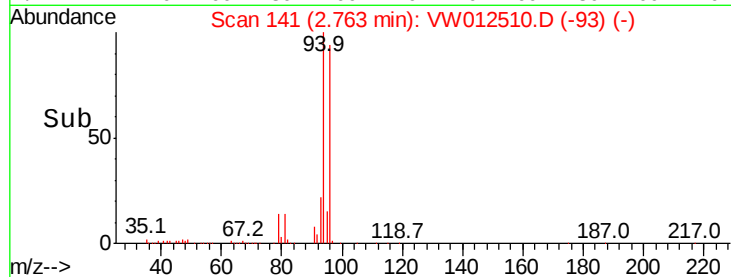
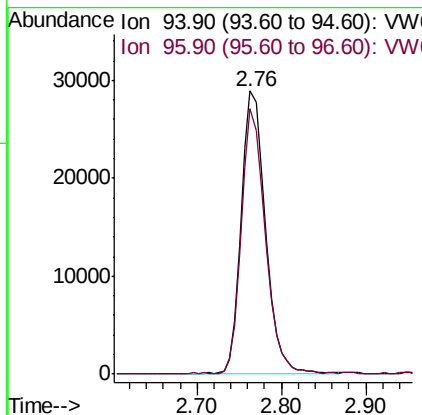
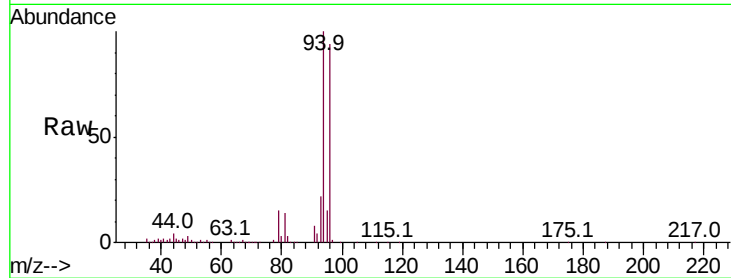
96 93.7 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 48.499 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012510.D

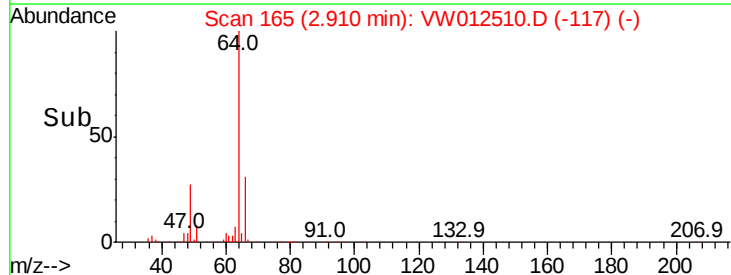
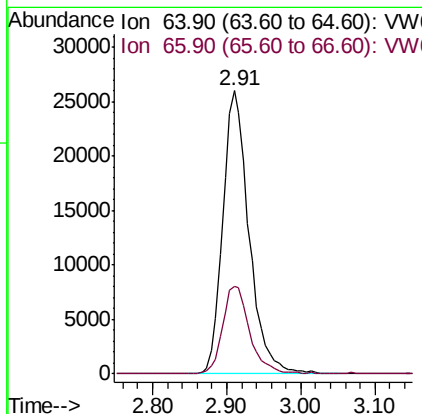
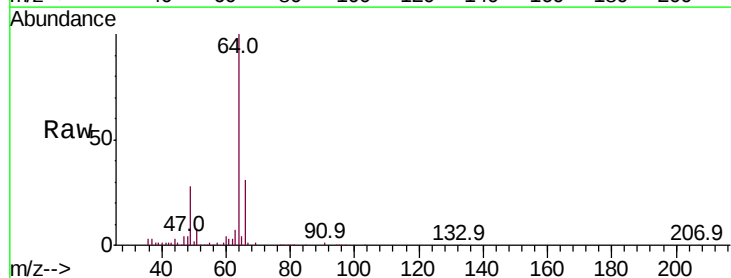
Acq: 02 Sep 2019 20:02

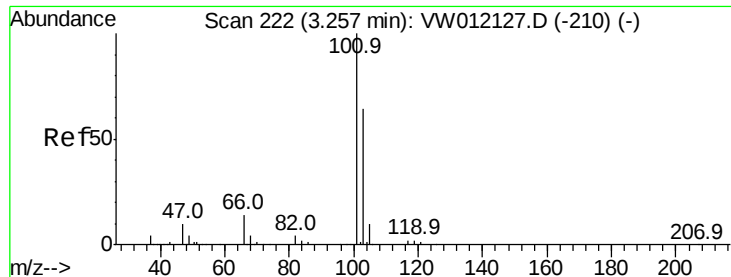
Tgt Ion: 64 Resp: 63875

Ion Ratio Lower Upper

64 100

66 30.7 23.8 35.8





#7

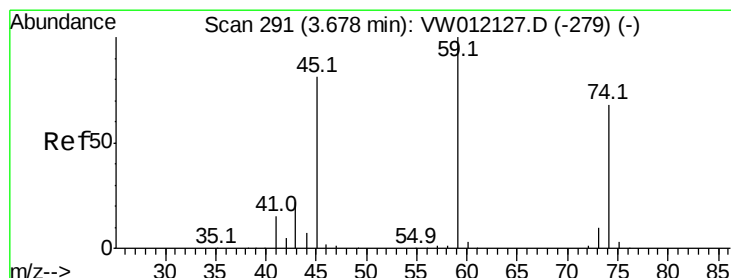
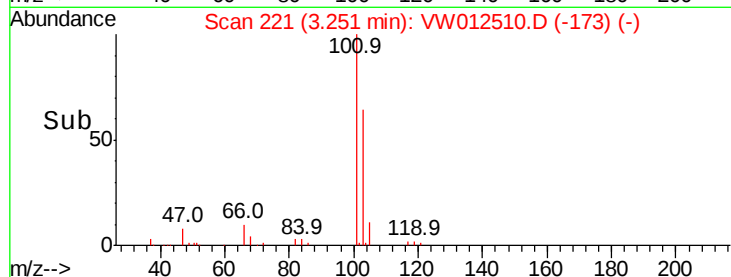
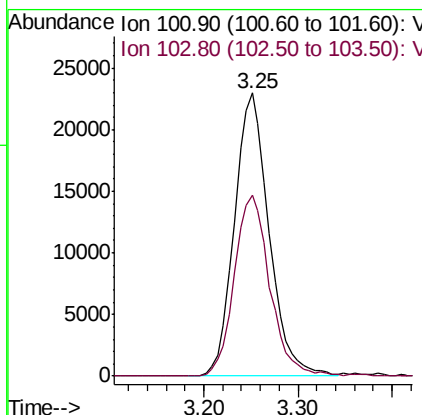
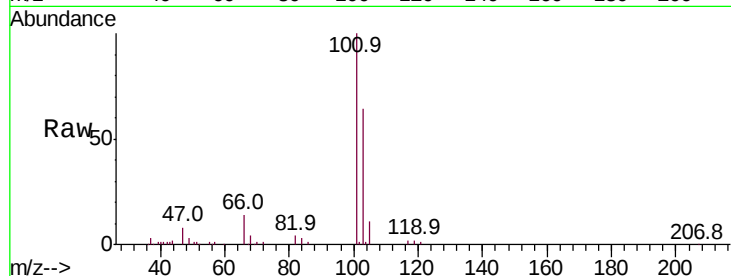
Trichlorofluoromethane
Concen: 50.048 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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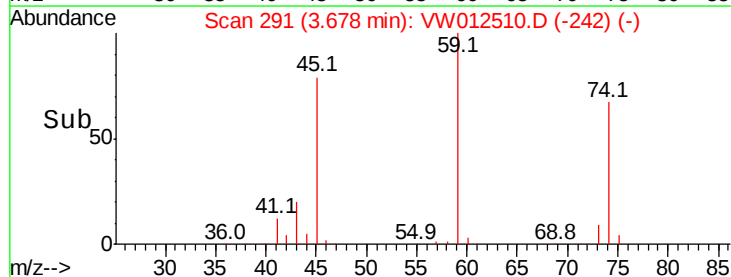
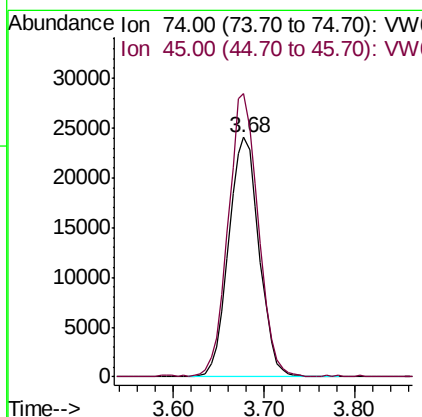
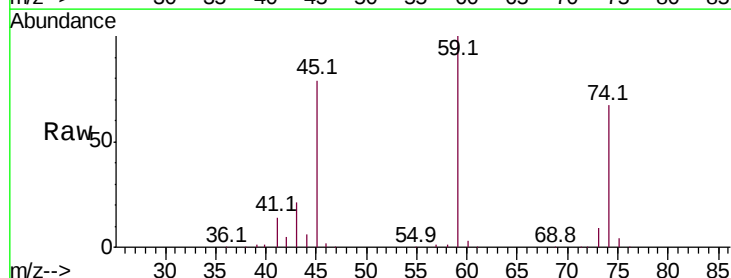
MMDadoda
9/3/2019 10:55:43 AM

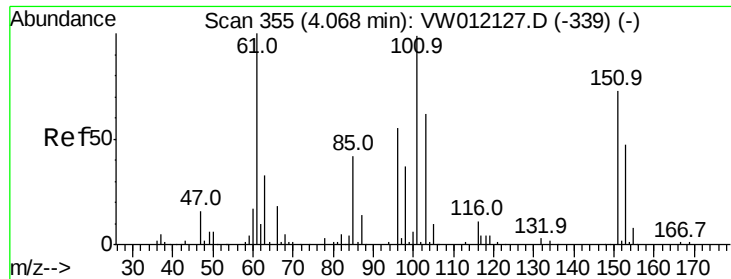


#8

Diethyl Ether
Concen: 50.437 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.4	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.443 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

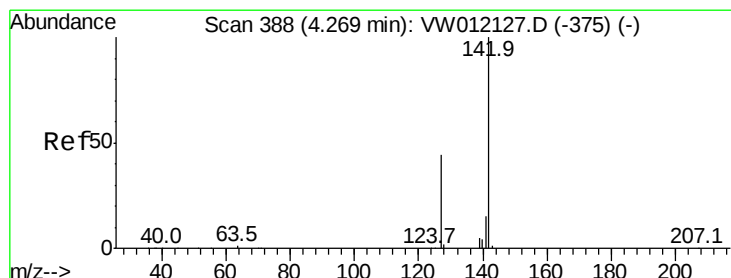
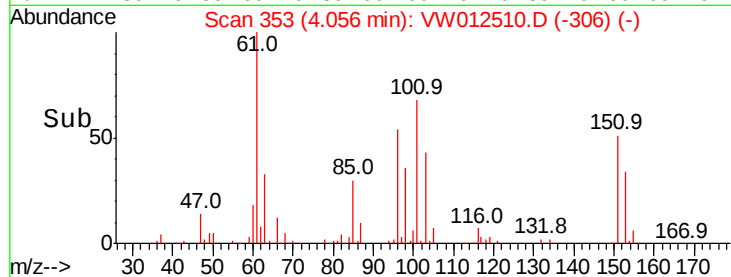
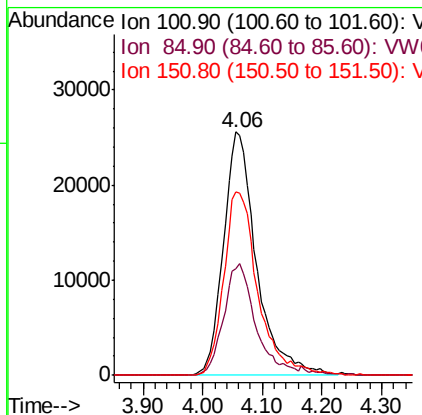
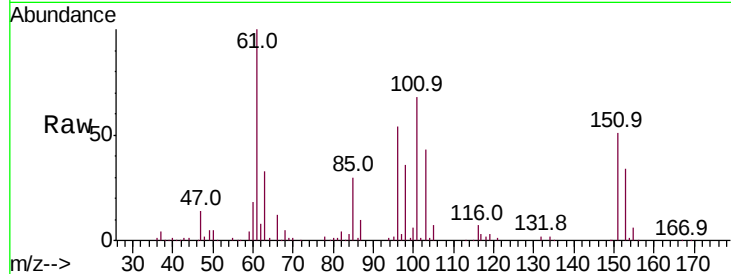
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98526
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.8	53.6
151	78.4	58.6	87.8

Manual Integrations
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9/3/2019 10:55:43 AM



#10

Methyl Iodide

Concen: 55.203 ug/l

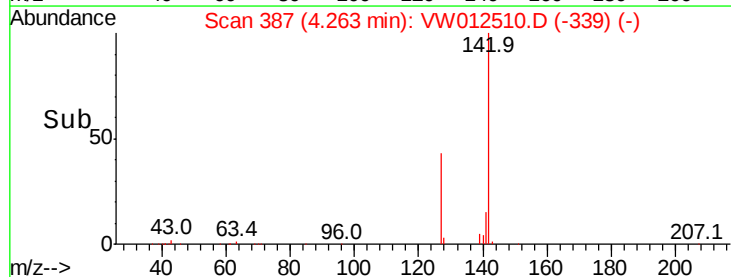
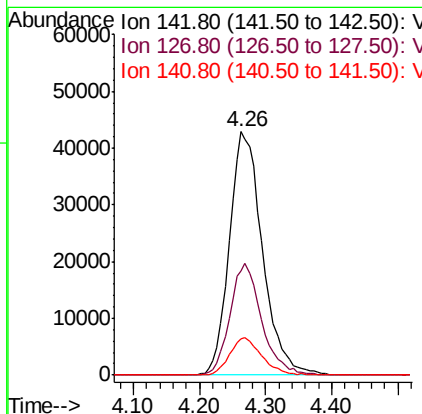
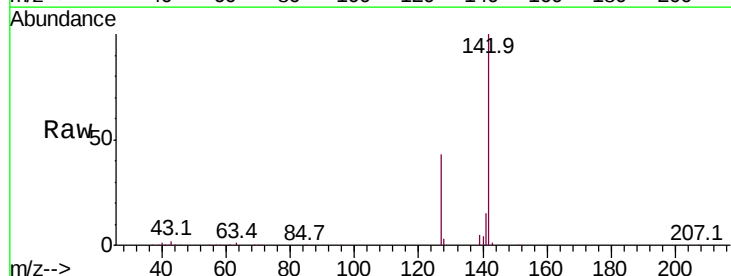
RT: 4.26 min Scan# 387

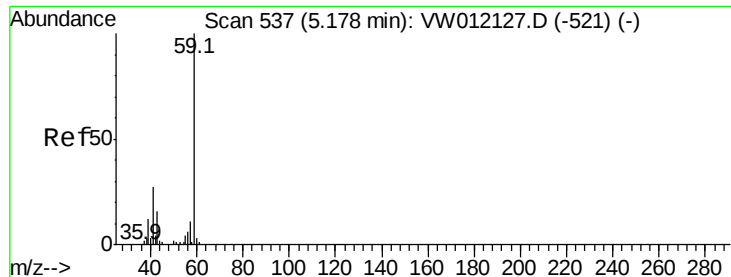
Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	142	Resp:	148838
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.5	53.3
141	15.0	11.8	17.8





#11

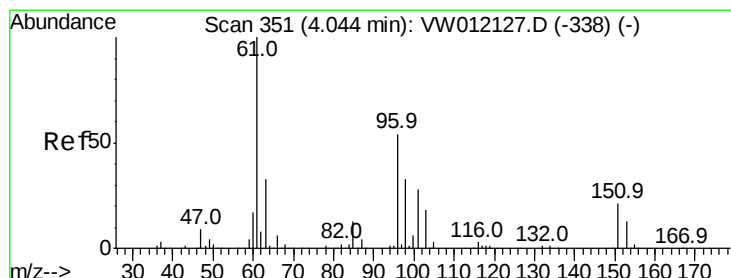
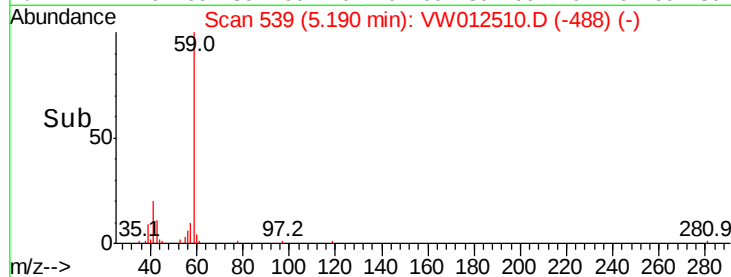
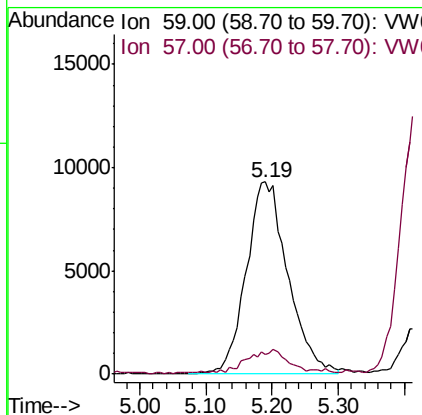
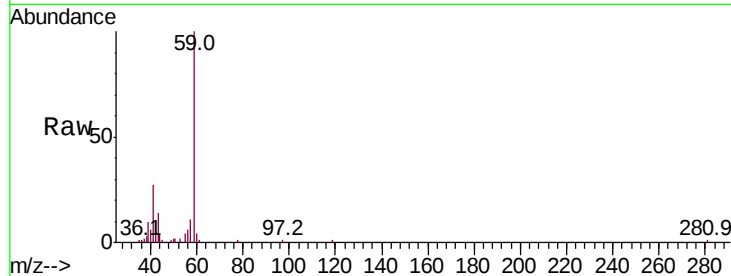
Tert butyl alcohol
Concen: 285.473 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	40836		
57	57	11.3		9.0	13.4

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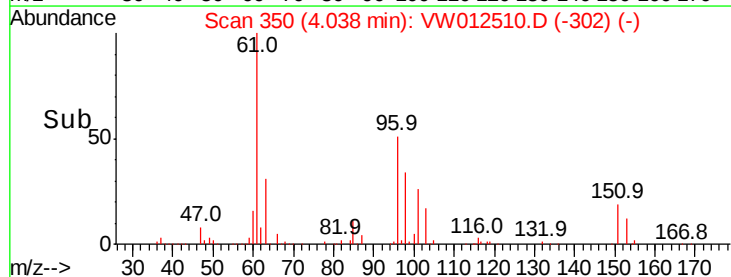
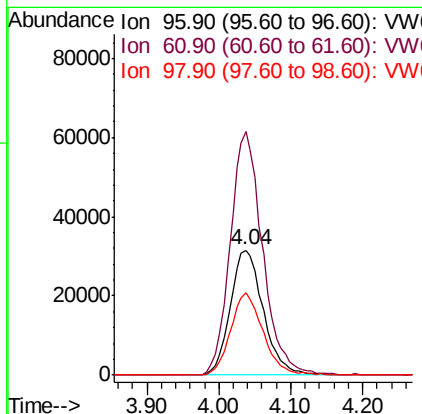
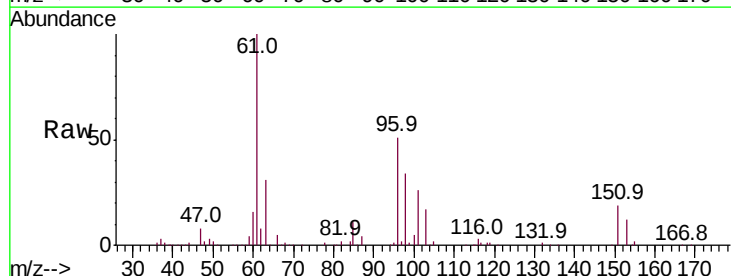
MMDadoda
9/3/2019 10:55:43 AM

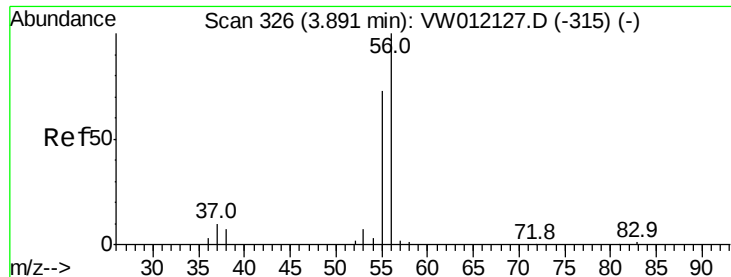


#12

1,1-Dichloroethene
Concen: 50.374 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	101034		
61	61	195.1		149.1	223.7
98	98	66.2		49.4	74.2





#13

Acrolein

Concen: 63.823 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 8594

Ion Ratio Lower Upper

56 100

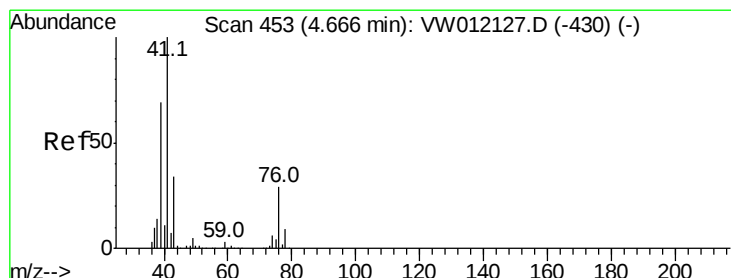
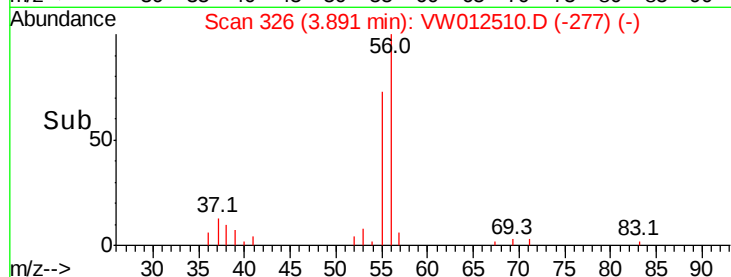
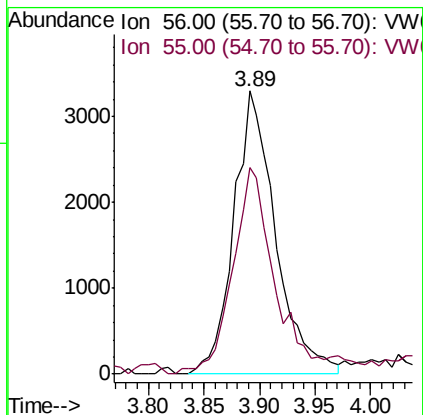
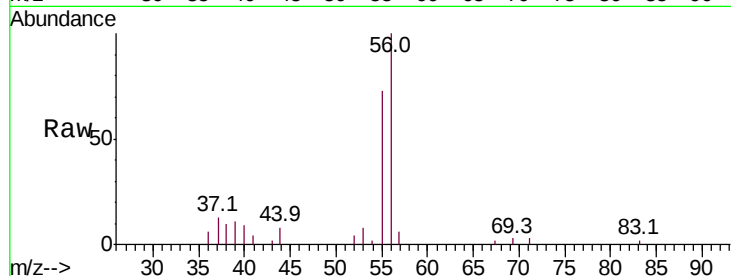
55 72.6 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:55:43 AM



#14

Allyl chloride

Concen: 52.580 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

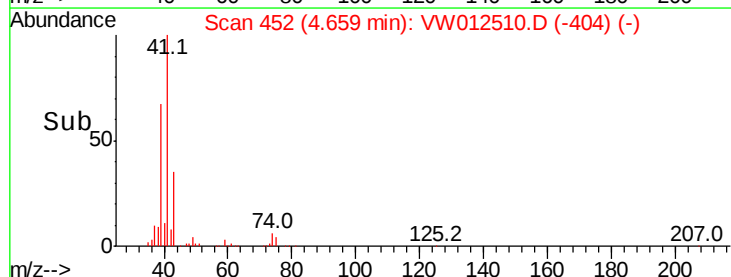
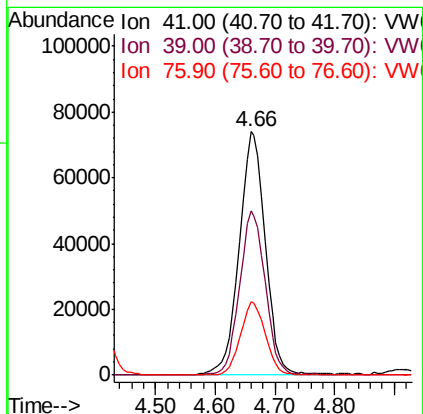
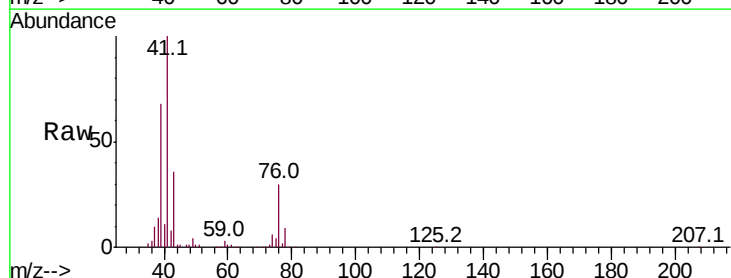
Tgt Ion: 41 Resp: 225451

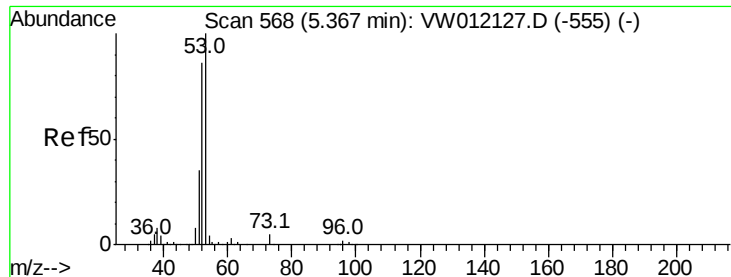
Ion Ratio Lower Upper

41 100

39 66.2 53.4 80.2

76 28.9 22.1 33.1





#15

Acrylonitrile

Concen: 275.237 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

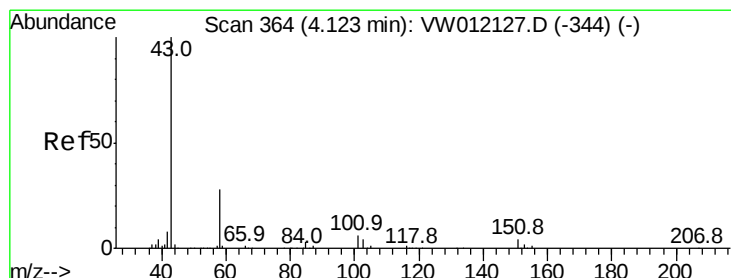
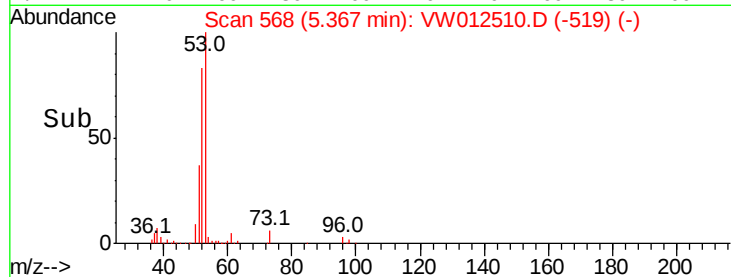
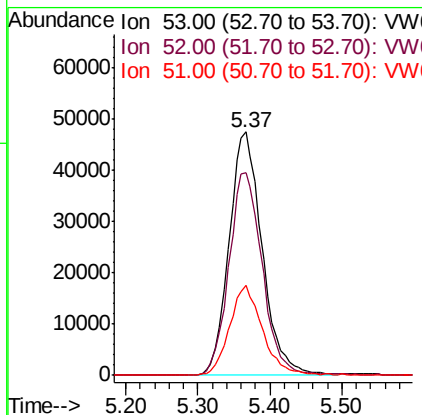
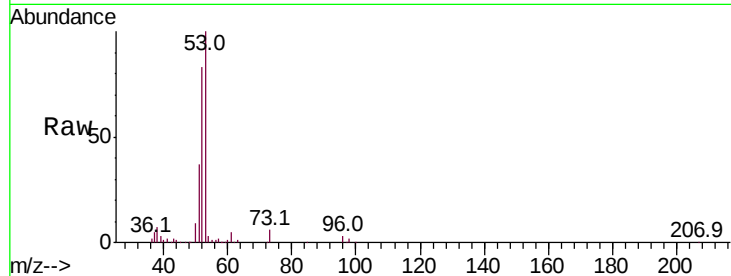
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	151807
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.7	100.1
51	37.1	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 213.299 ug/l

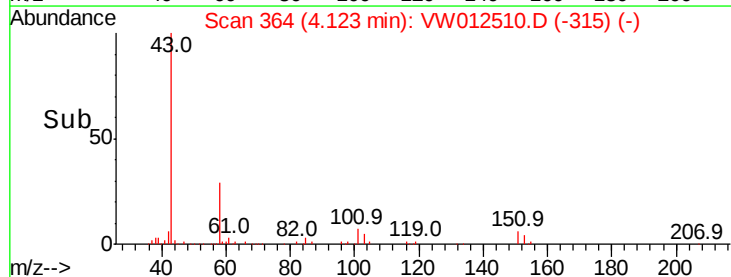
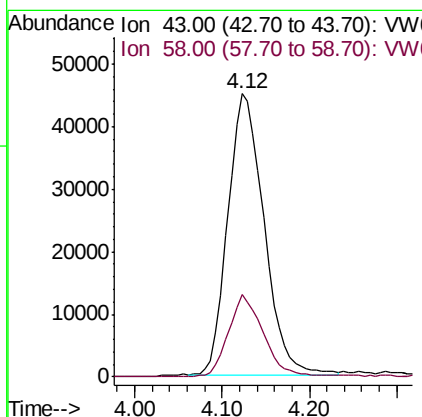
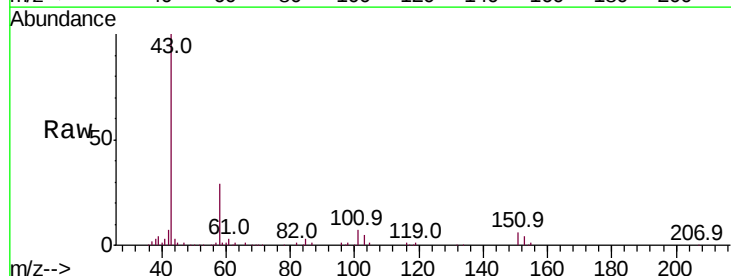
RT: 4.12 min Scan# 364

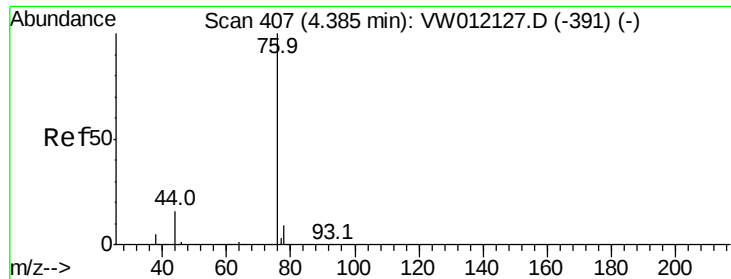
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	43	Resp:	129603
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.4	33.6





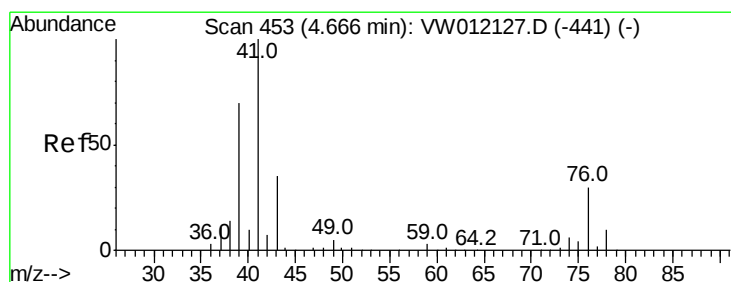
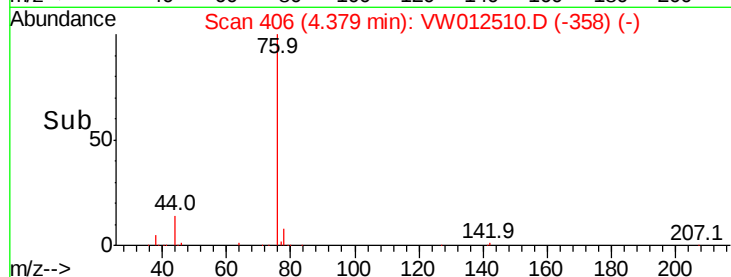
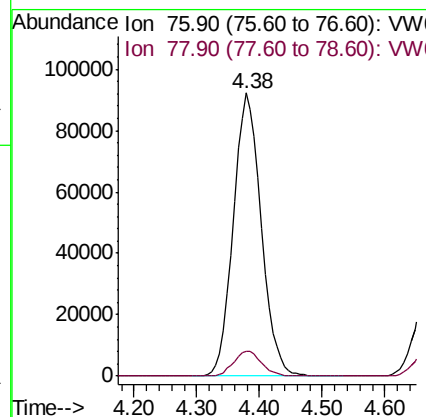
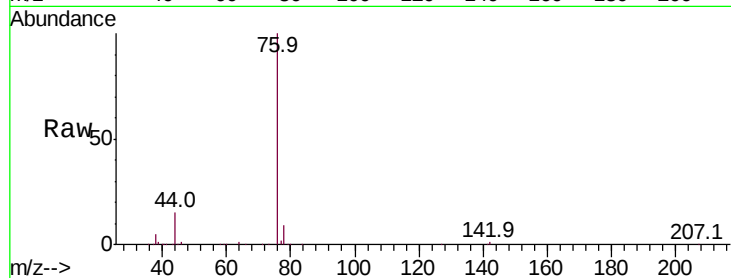
#17
Carbon Disulfide
Concen: 46.724 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

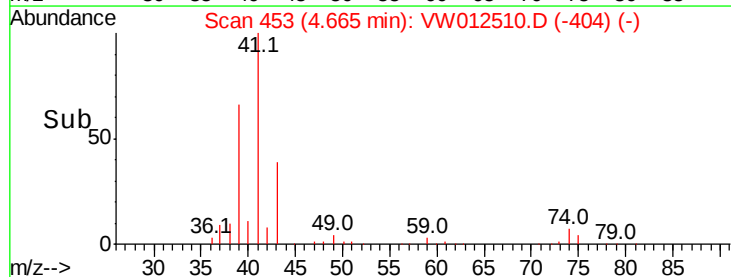
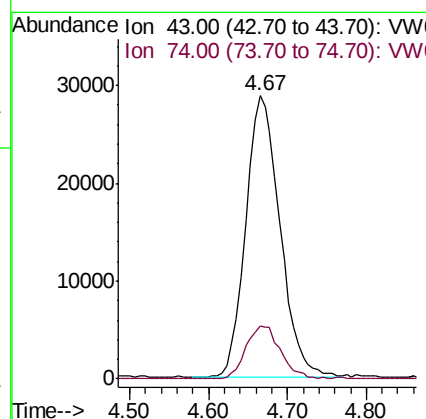
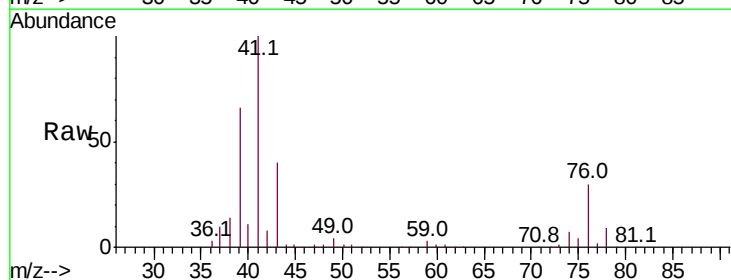
Manual Integrations
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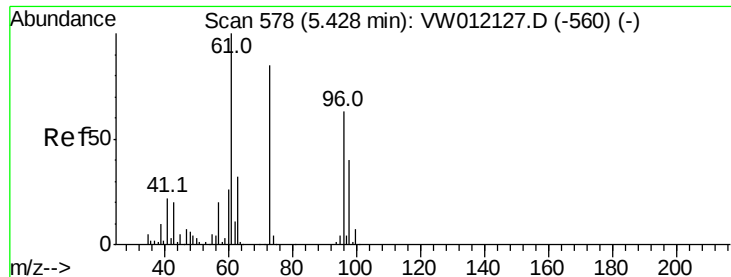
MMDadoda
9/3/2019 10:55:43 AM



#18
Methyl Acetate
Concen: 58.027 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.1	15.7	23.5





#19

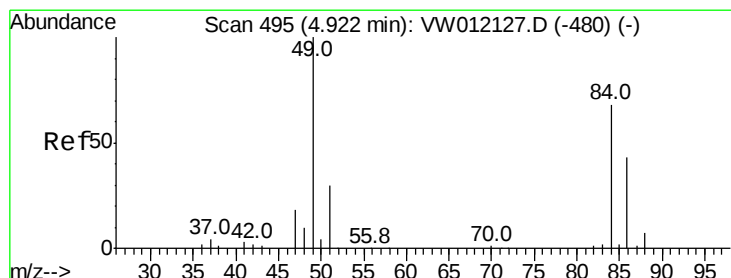
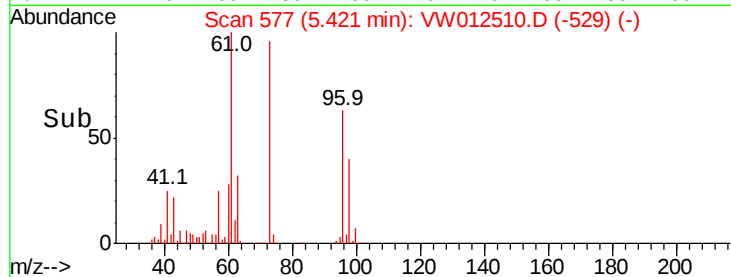
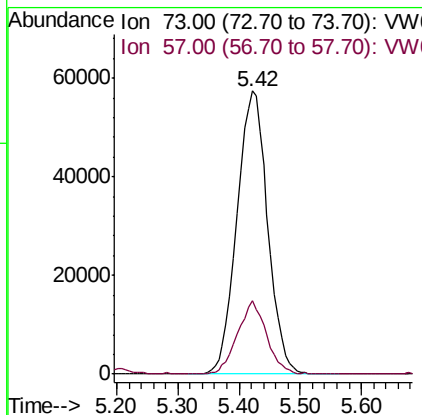
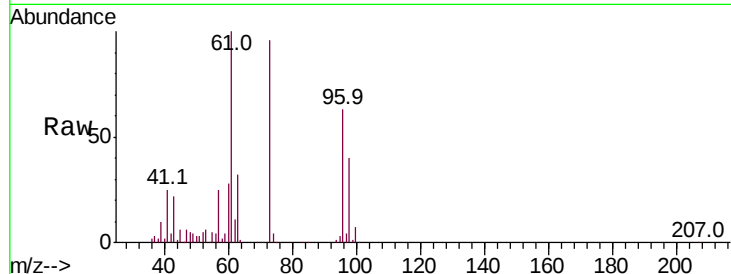
Methyl tert-butyl Ether
 Concen: 61.405 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.9	18.9	28.3

Manual Integrations
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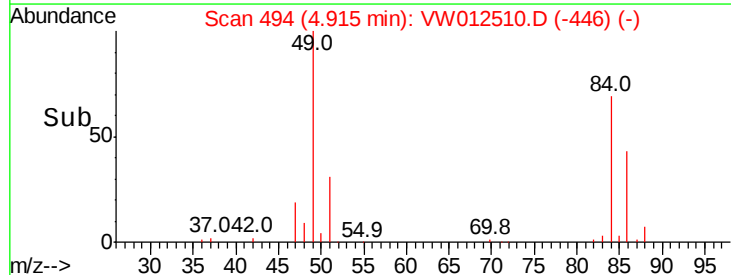
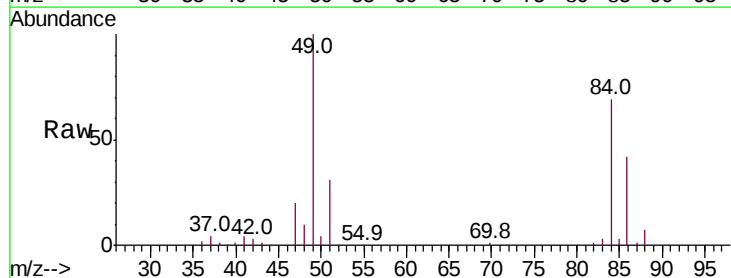
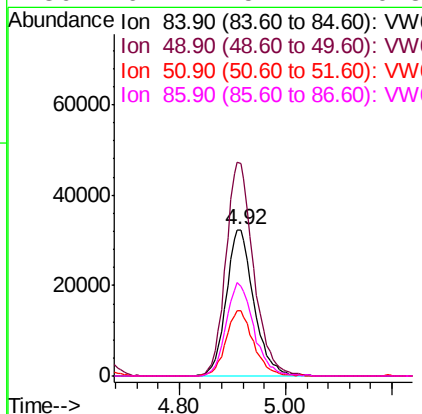
MMDadoda
 9/3/2019 10:55:43 AM

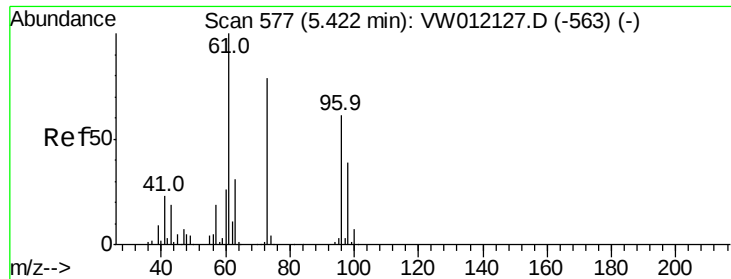


#20

Methylene Chloride
 Concen: 50.978 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.9	117.8	176.8
51	45.0	35.6	53.4
86	61.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 53.405 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 114863

Ion Ratio Lower Upper

96 100

61 158.0 131.4 197.0

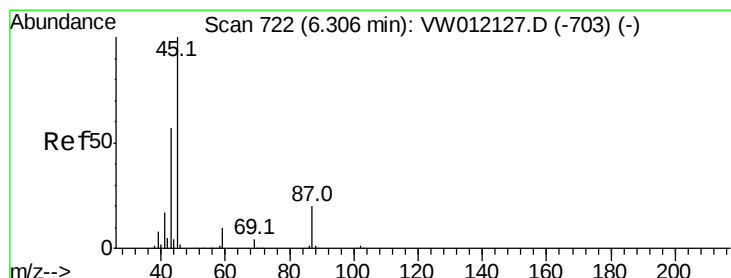
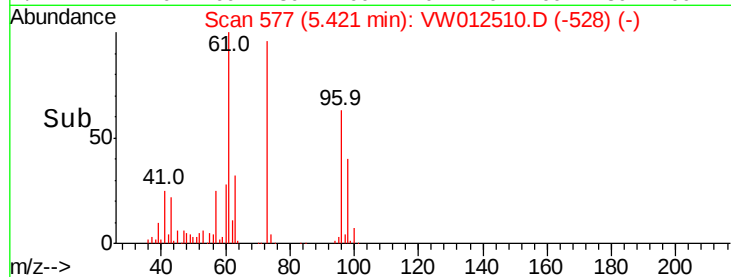
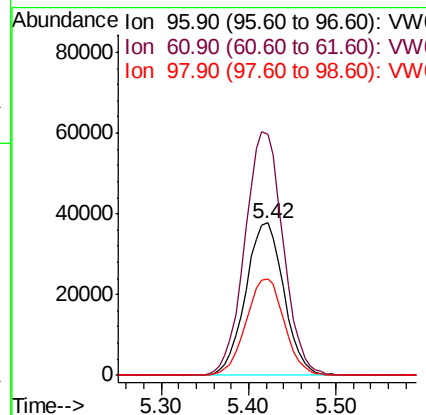
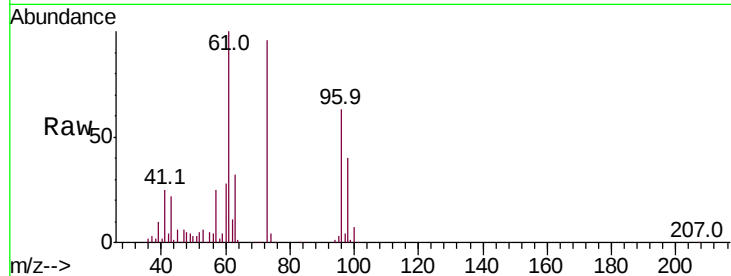
98 63.4 51.4 77.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.274 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion: 45 Resp: 447258

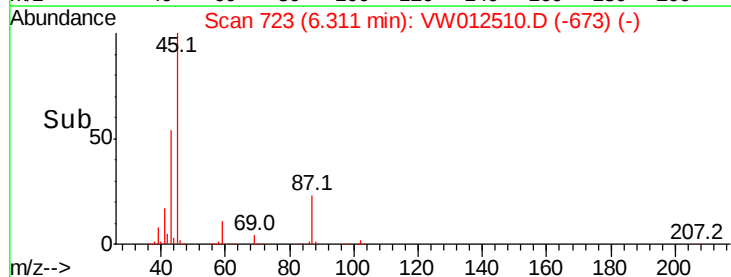
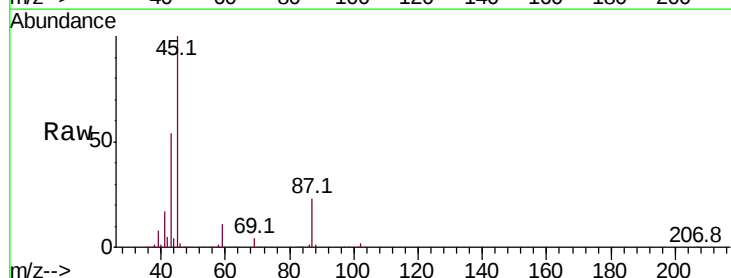
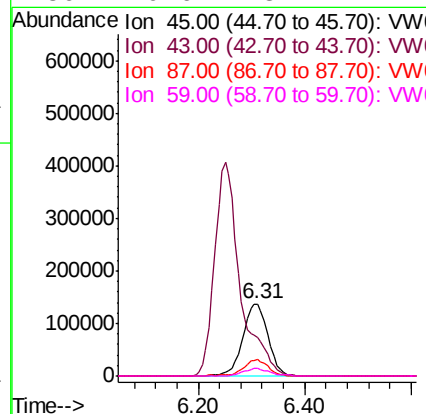
Ion Ratio Lower Upper

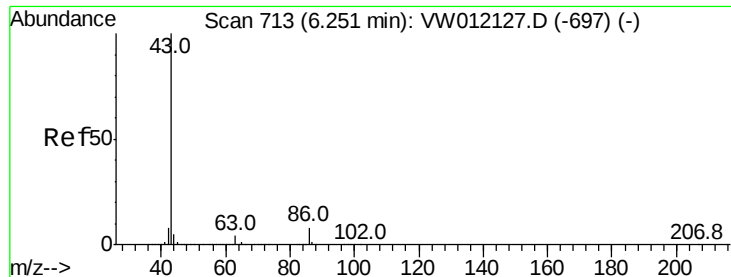
45 100

43 53.5 45.5 68.3

87 22.8 16.1 24.1

59 10.6 8.2 12.2





#23

Vinyl Acetate

Concen: 276.061 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1350279

Ion Ratio Lower Upper

43 100

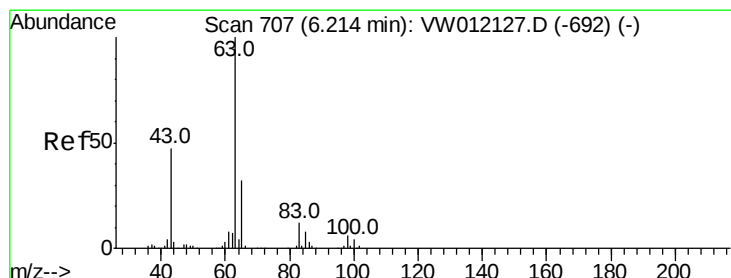
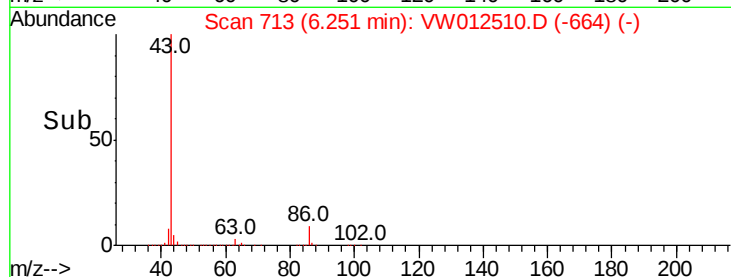
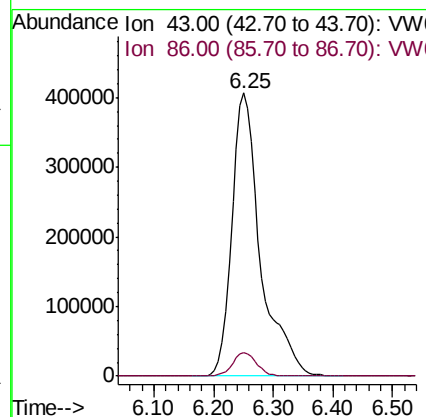
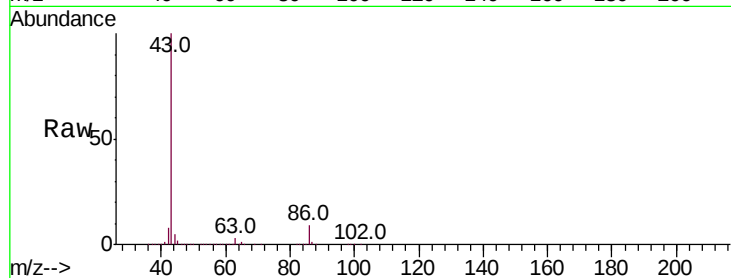
86 8.5 6.5 9.7

Manual Integrations

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MMDadoda

9/3/2019 10:55:43 AM



#24

1,1-Dichloroethane

Concen: 54.936 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

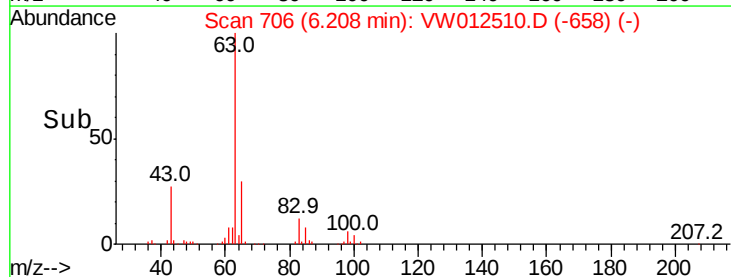
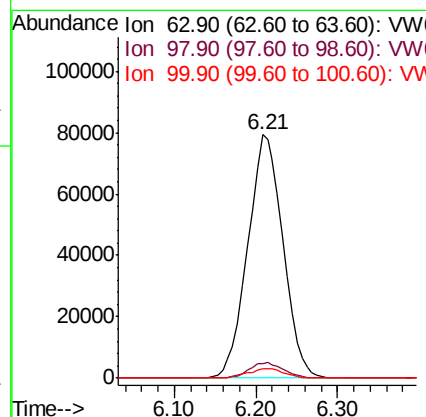
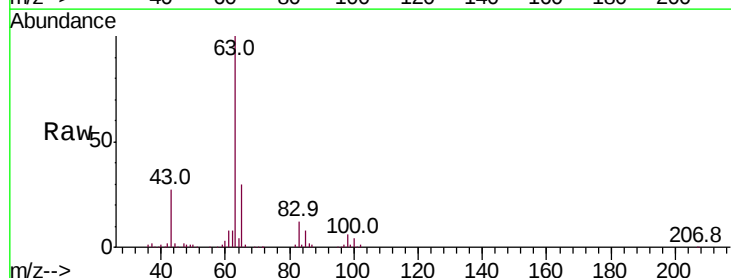
Tgt Ion: 63 Resp: 237734

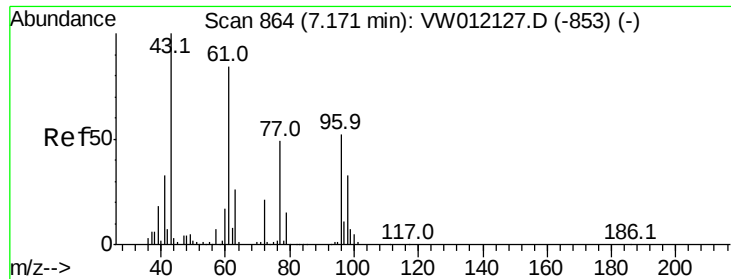
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 262.394 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 216652

Ion Ratio Lower Upper

43 100

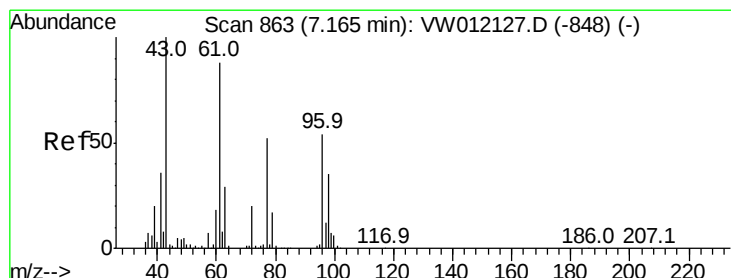
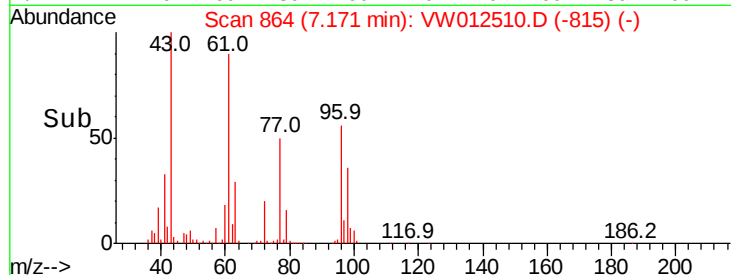
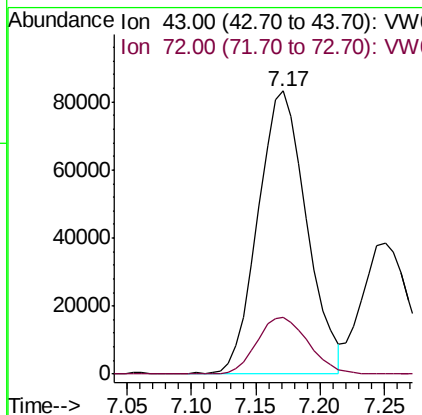
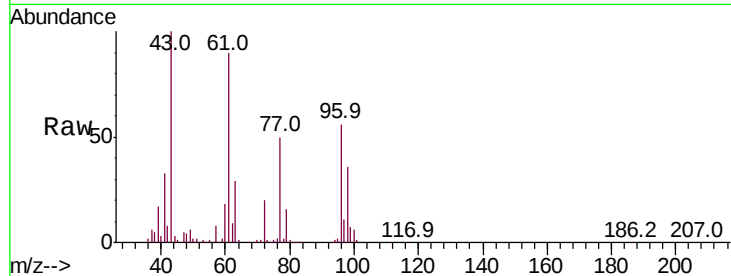
72 20.4 16.6 24.8

Manual Integrations

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MMDadoda

9/3/2019 10:55:43 AM



#26

2,2-Dichloropropane

Concen: 52.566 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012510.D

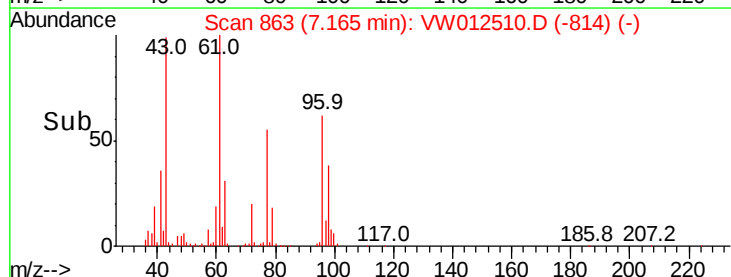
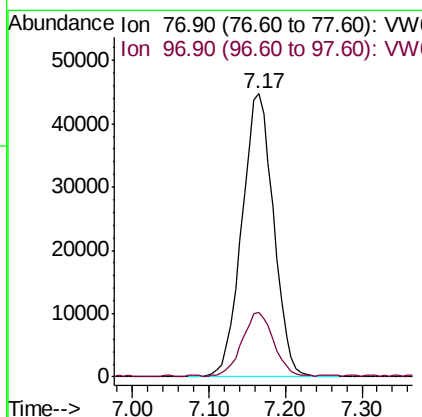
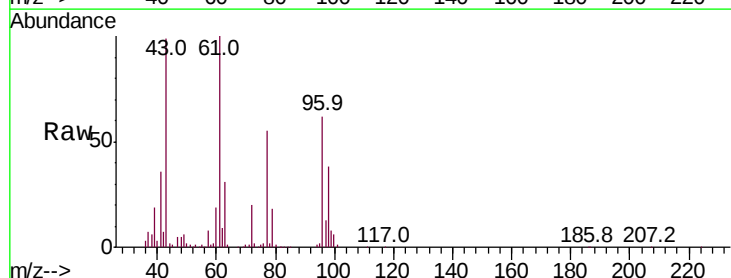
Acq: 02 Sep 2019 20:02

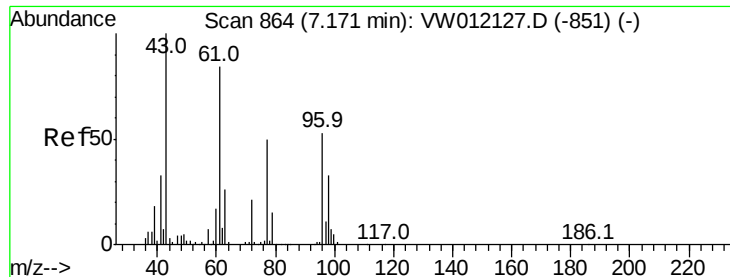
Tgt Ion: 77 Resp: 128754

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.1





#27

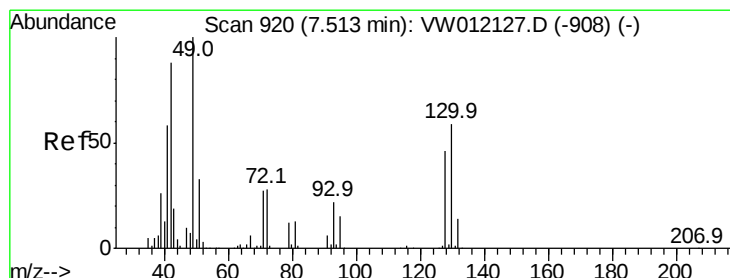
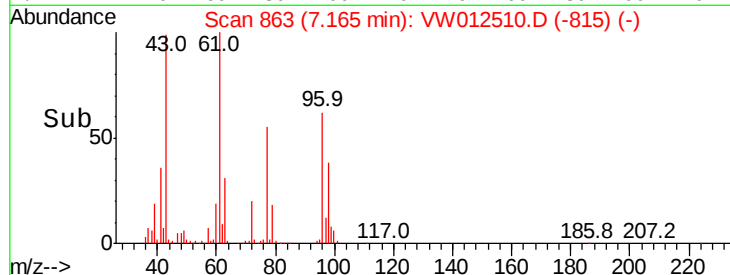
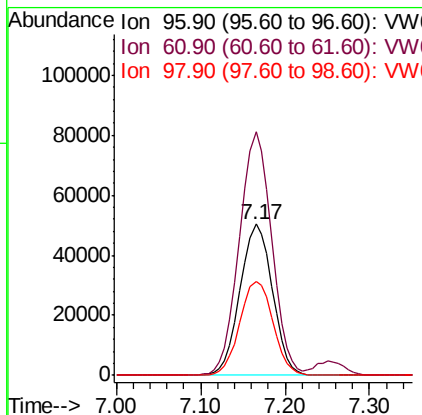
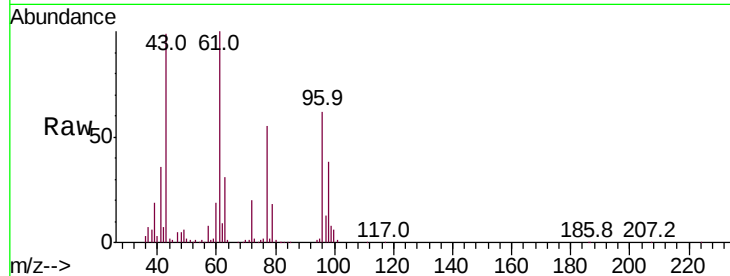
cis-1,2-Dichloroethene
Concen: 57.243 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.5	0.0	326.6	
98	63.5	0.0	127.4	

Manual Integrations
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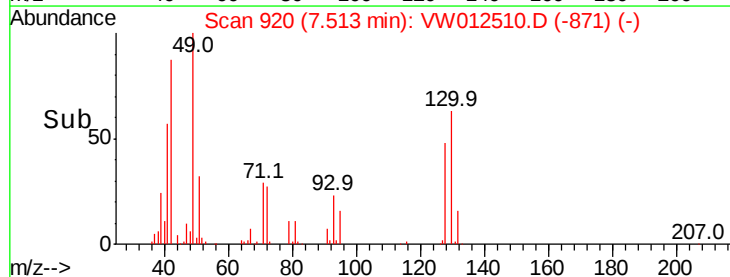
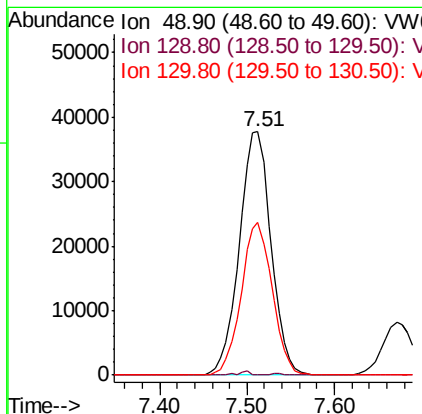
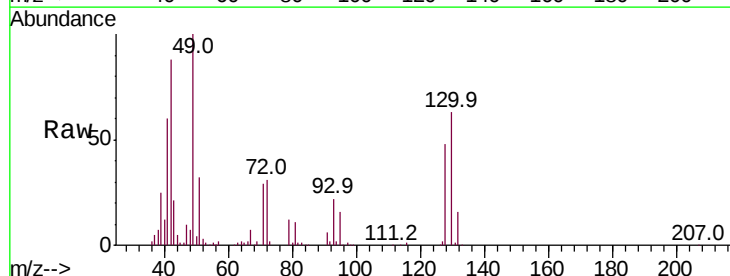
MMDadoda
9/3/2019 10:55:43 AM

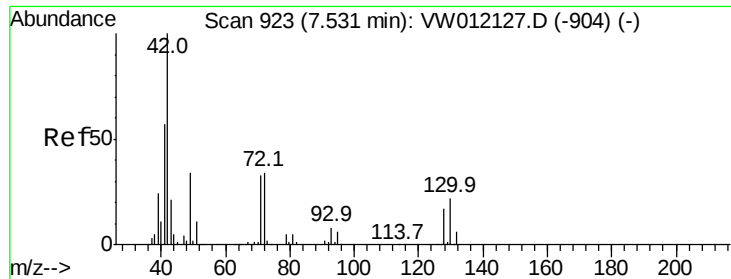


#28

Bromochloromethane
Concen: 50.402 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.5	0.0	1.4	
130	61.4	45.5	68.3	





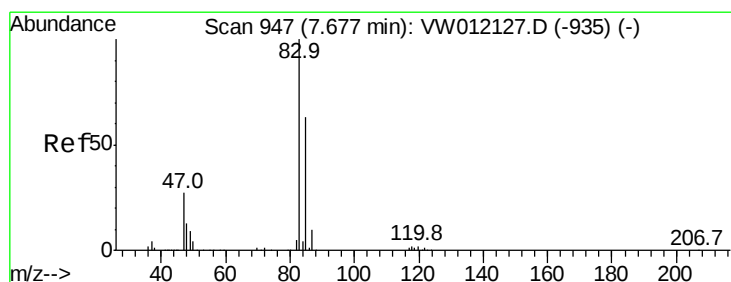
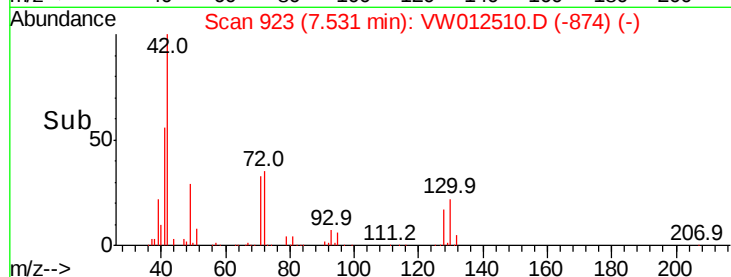
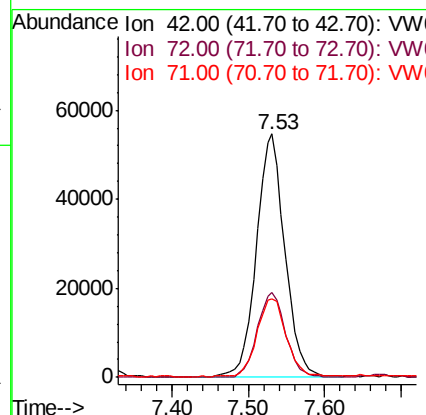
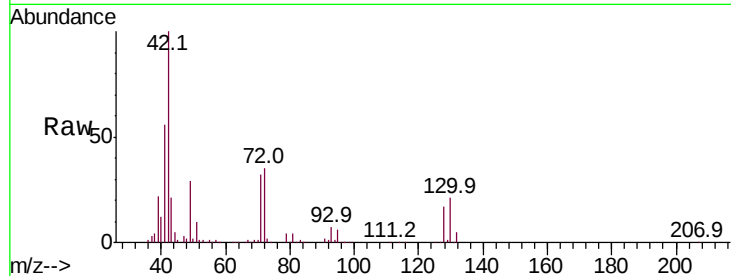
#29
Tetrahydrofuran
Concen: 284.889 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.3	40.9
71	33.4	25.5	38.3

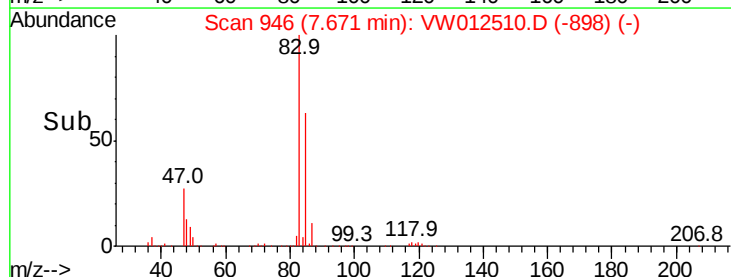
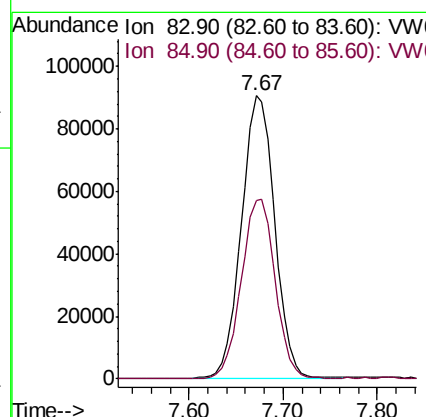
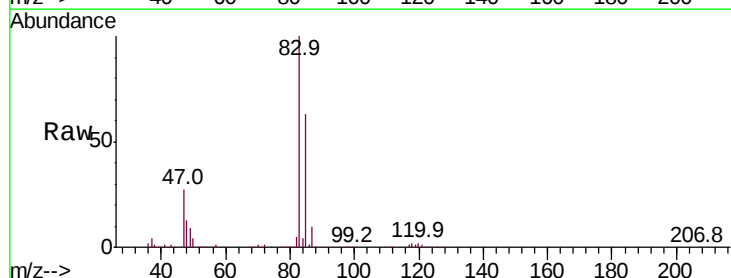
Manual Integrations
APPROVED

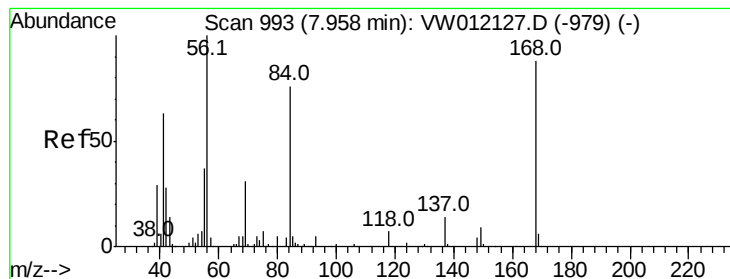
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#30
Chloroform
Concen: 56.169 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.6	76.0





#31

Cyclohexane

Concen: 47.311 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

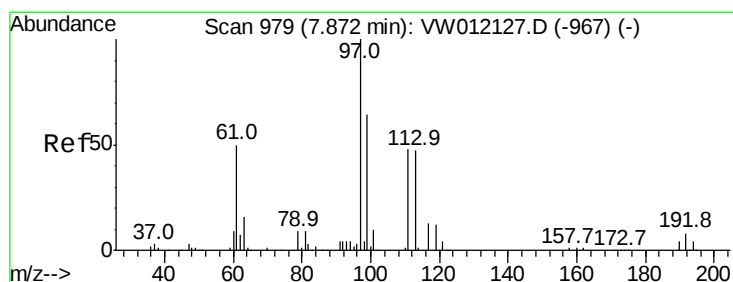
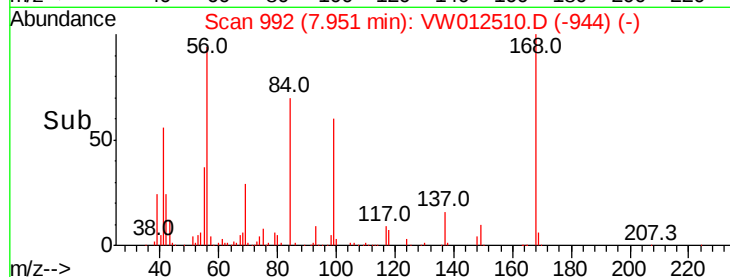
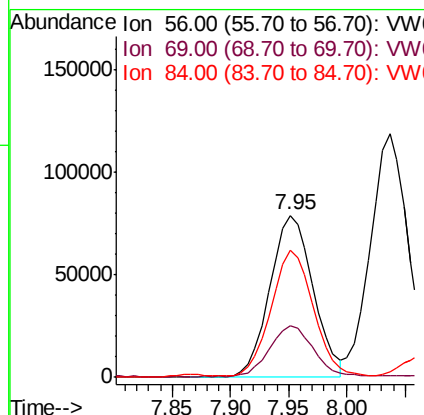
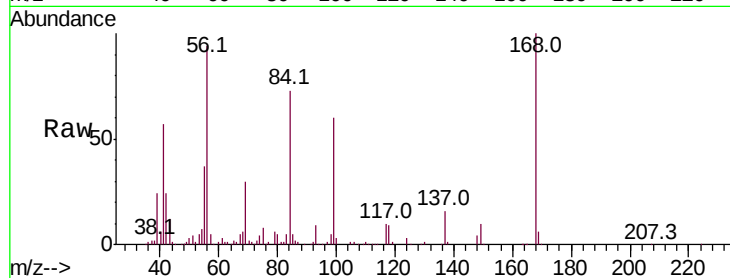
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	202562
Ion Ratio	Lower	Upper	
56	100		
69	31.1	24.9	37.3
84	76.3	60.6	90.8

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#32

1,1,1-Trichloroethane

Concen: 55.993 ug/l

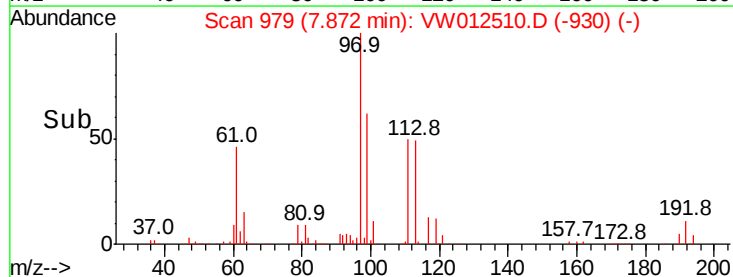
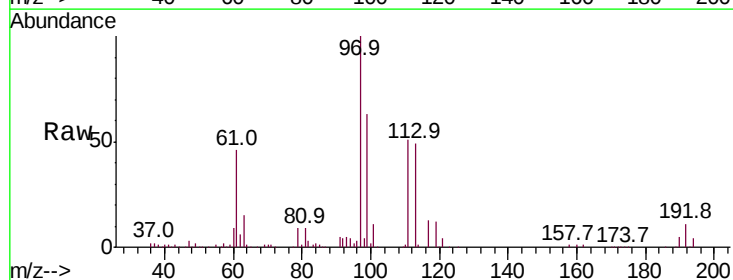
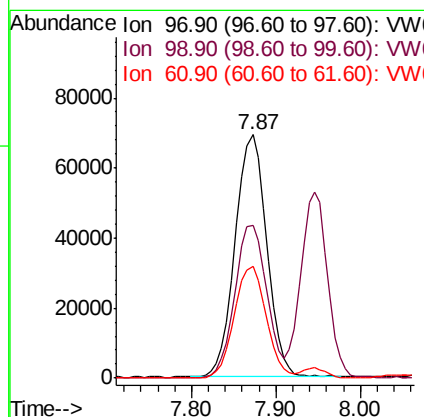
RT: 7.87 min Scan# 979

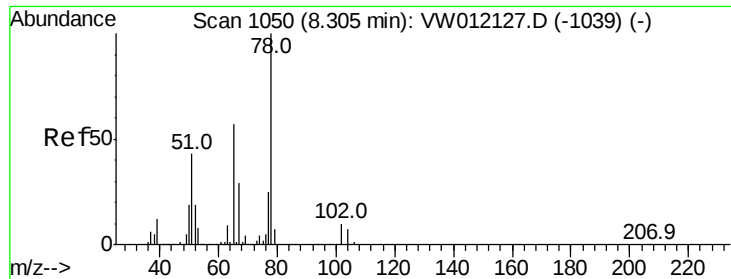
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	97	Resp:	175373
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.4	77.0
61	46.7	39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 51.689 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 122865

Ion Ratio Lower Upper

65 100

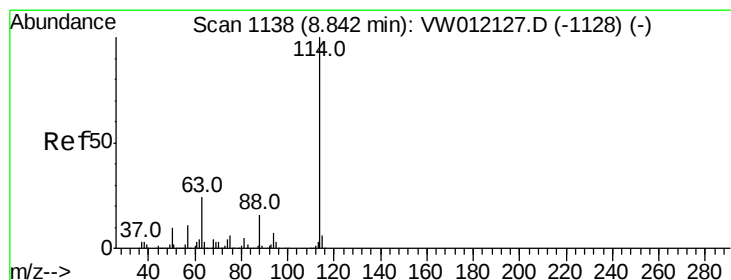
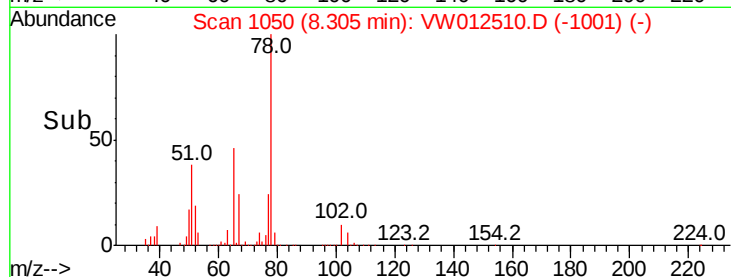
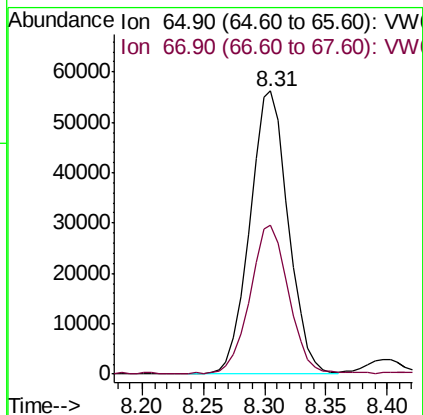
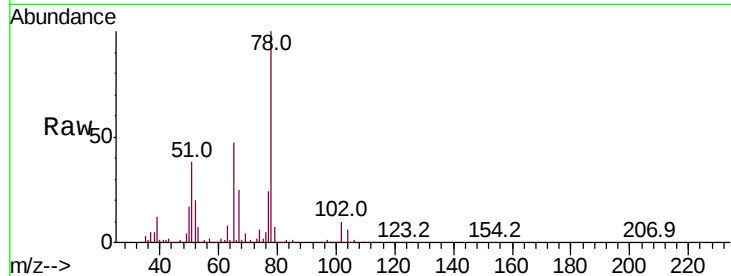
67 52.3 0.0 102.6

Manual Integrations

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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: VW012510.D

Acq: 02 Sep 2019 20:02

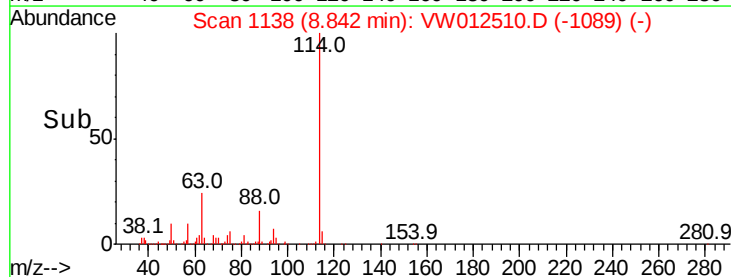
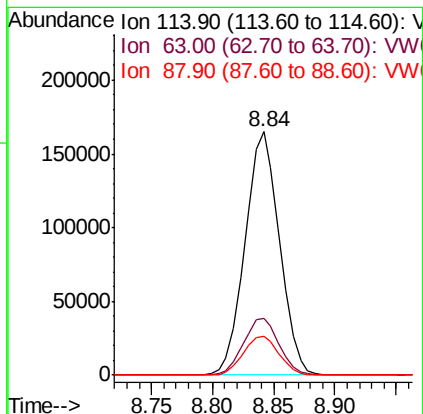
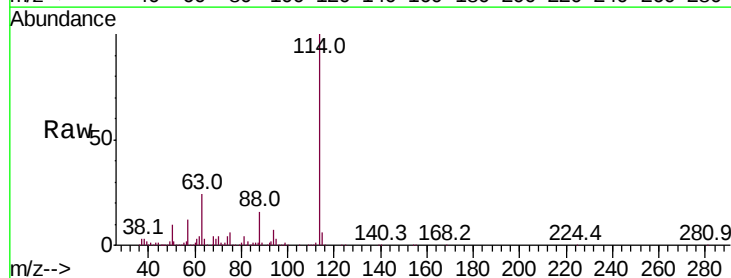
Tgt Ion: 114 Resp: 323318

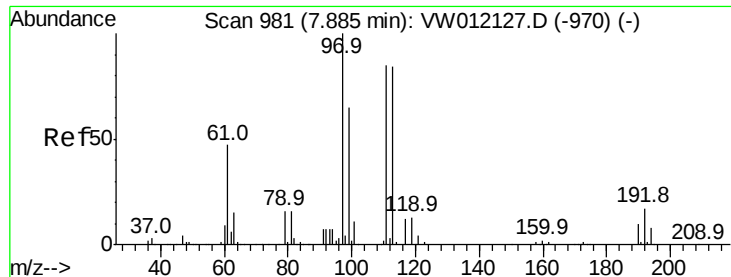
Ion Ratio Lower Upper

114 100

63 23.5 0.0 48.6

88 16.1 0.0 32.2





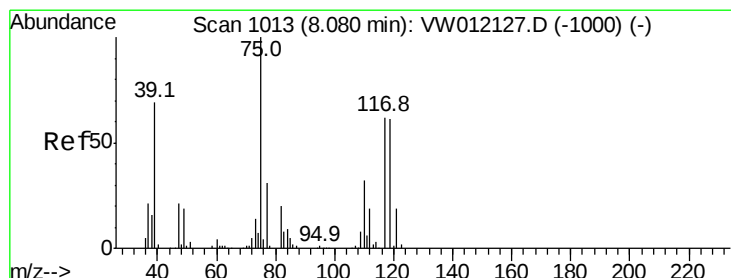
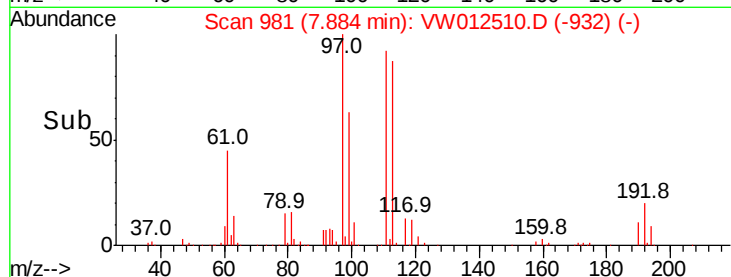
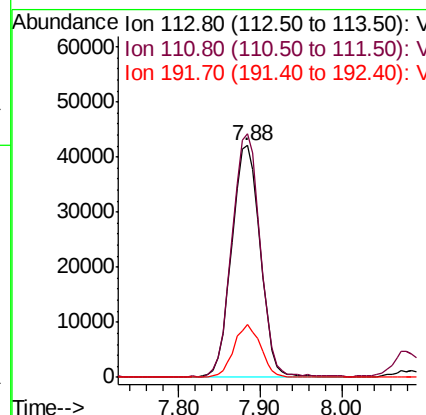
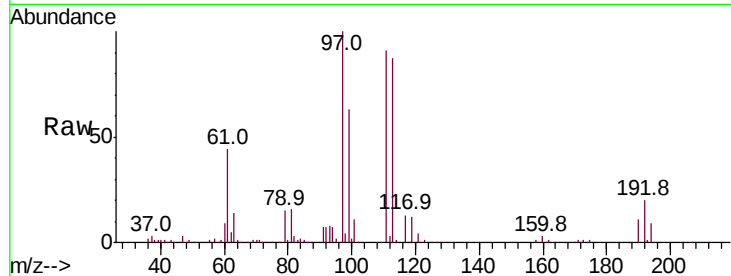
#35
 Dibromofluoromethane
 Concen: 52.549 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101415		
111	103.7	82.7	124.1	
192	21.5	16.2	24.2	

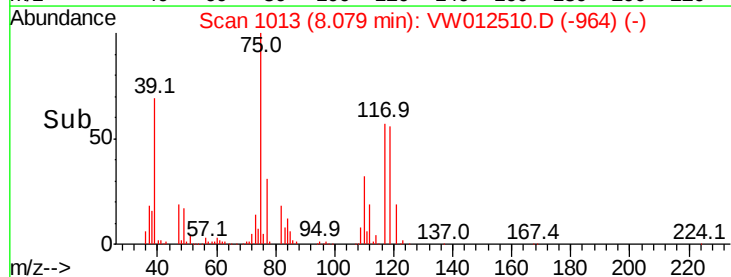
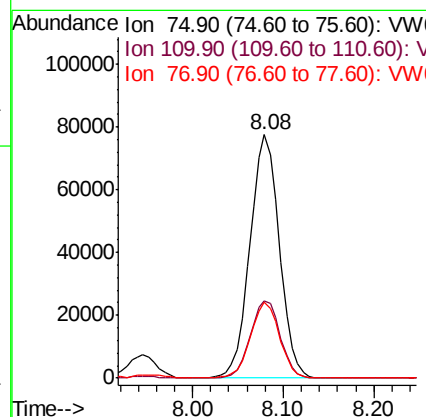
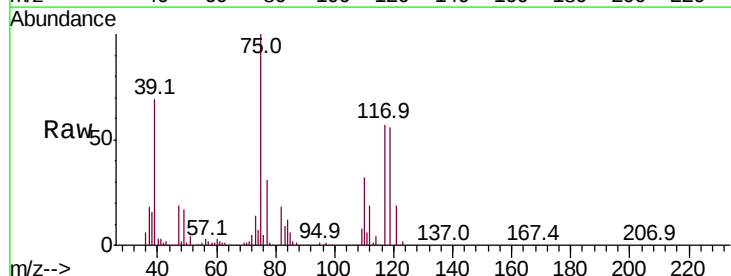
Manual Integrations
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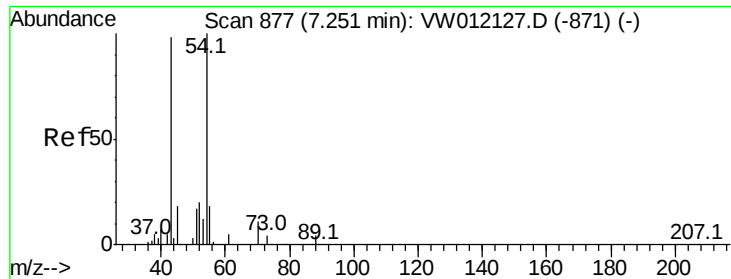
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#36
 1,1-Dichloropropene
 Concen: 52.217 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174464		
110	32.5	15.6	46.8	
77	30.8	24.6	36.8	





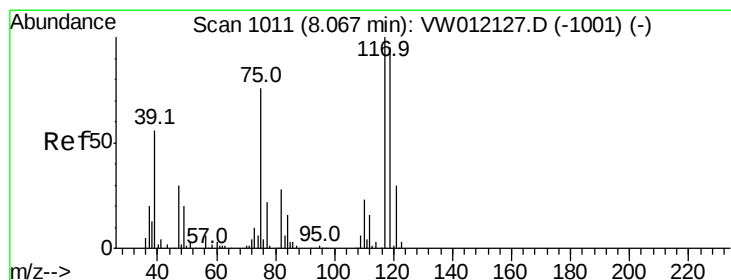
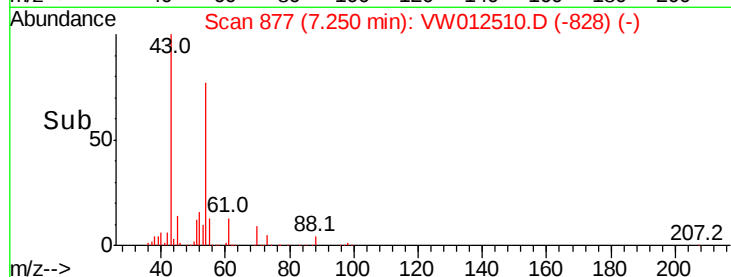
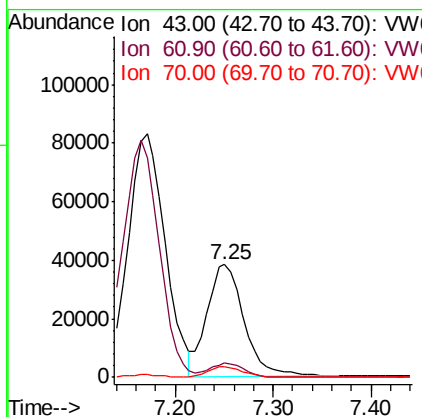
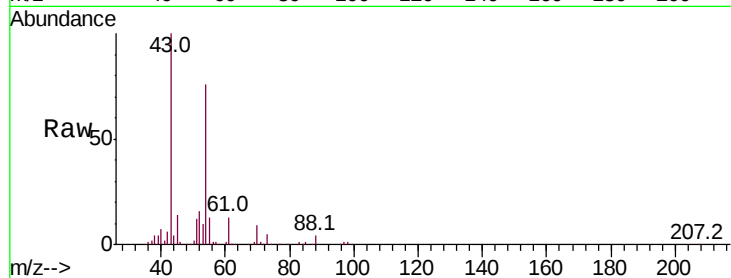
#37
Ethyl Acetate
Concen: 54.955 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.0	9.2	13.8	
70	9.2	6.9	10.3	

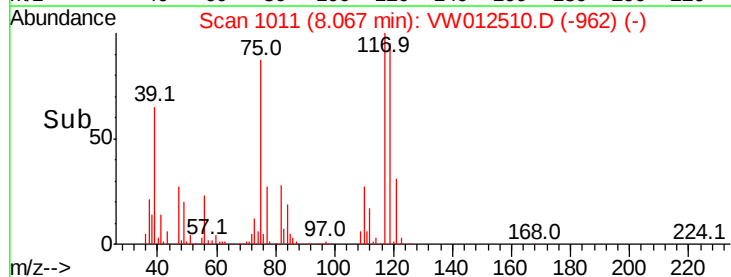
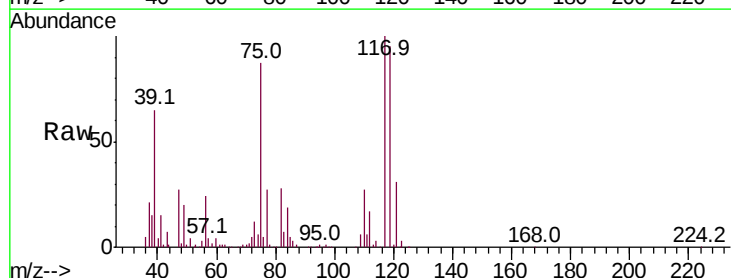
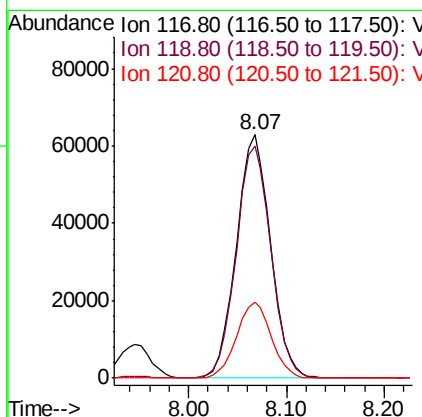
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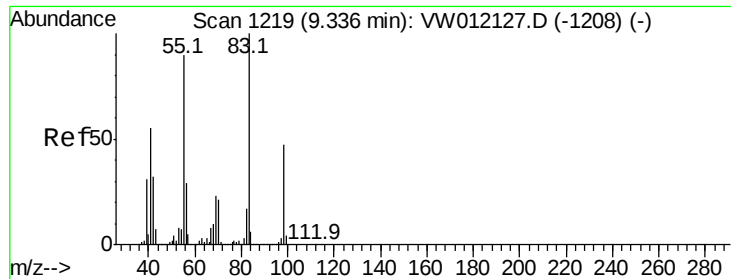
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#38
Carbon Tetrachloride
Concen: 52.744 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	76.2	114.2	
121	31.2	23.8	35.8	





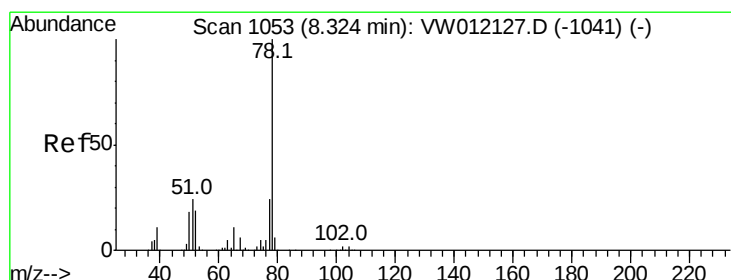
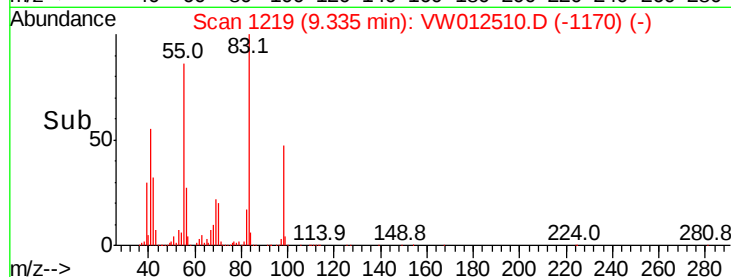
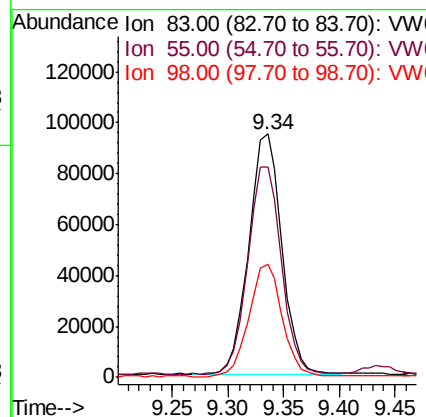
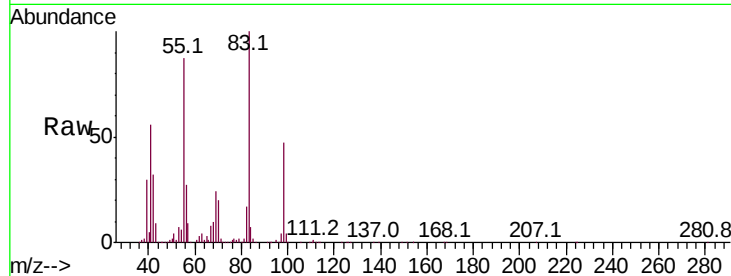
#39
Methvlcvclohexane
Concen: 51.784 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	194372
Ion Ratio	Lower	Upper	
83	100		
55	86.3	71.8	107.8
98	46.8	37.8	56.8

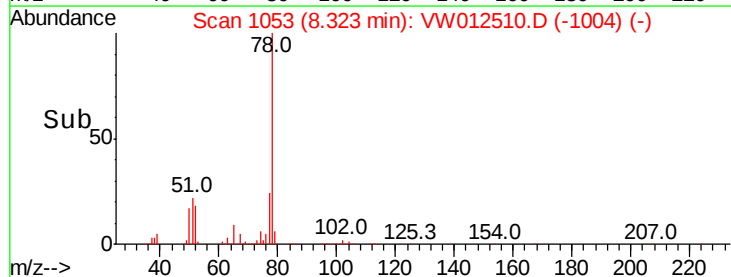
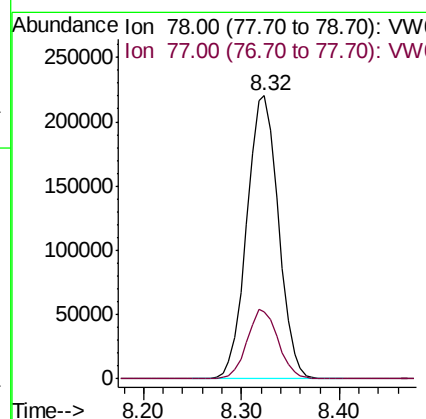
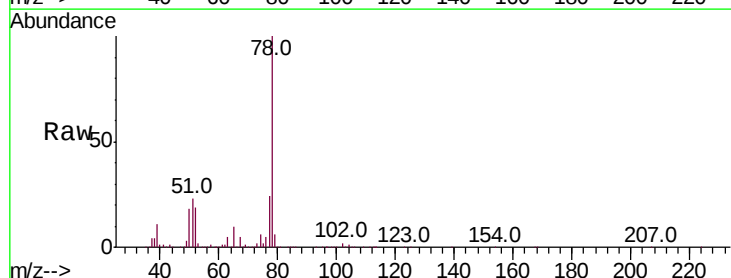
Manual Integrations
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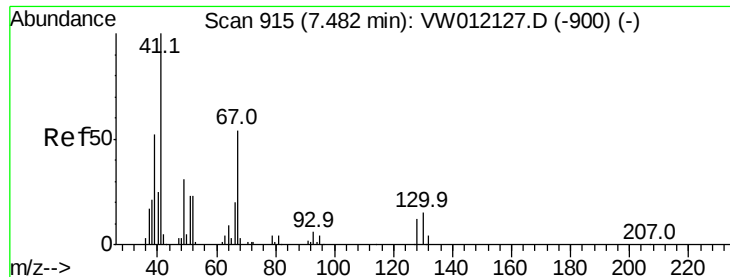
MMDadoda
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#40
Benzene
Concen: 54.110 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	78	Resp	493651
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.5	29.3





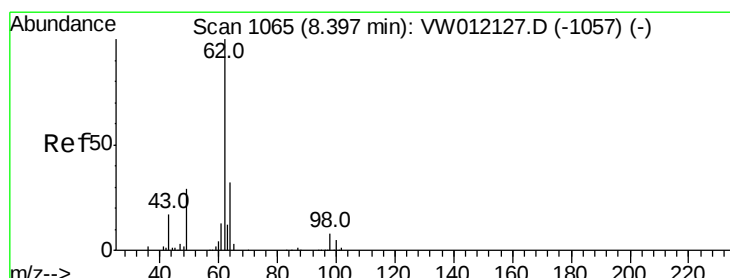
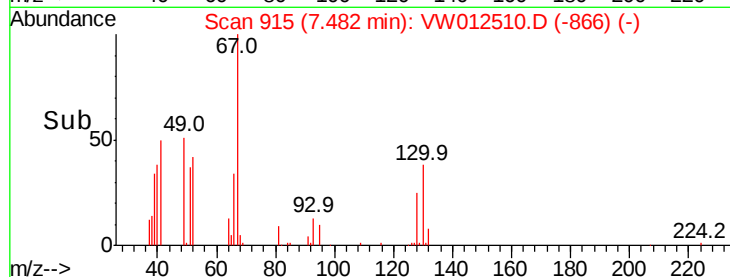
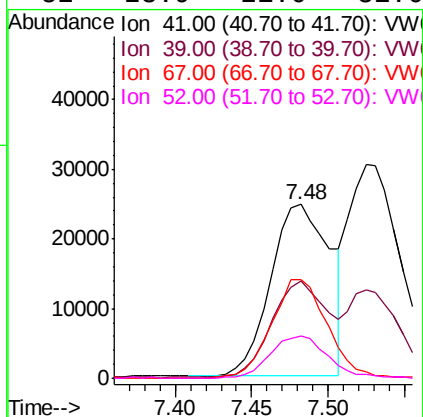
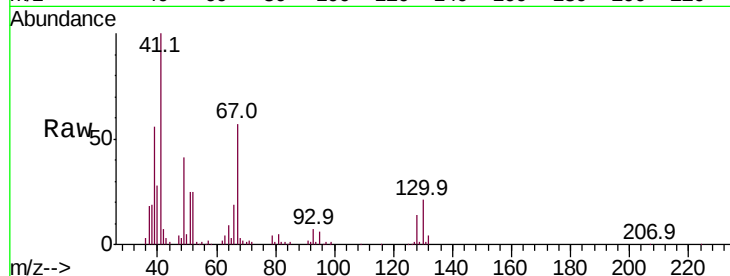
#41
Methacrylonitrile
Concen: 62.236 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	66971
Ion	Ratio	Lower	Upper
41	100		
39	54.5	45.8	68.8
67	54.2	46.2	69.4
52	23.9	21.0	31.6

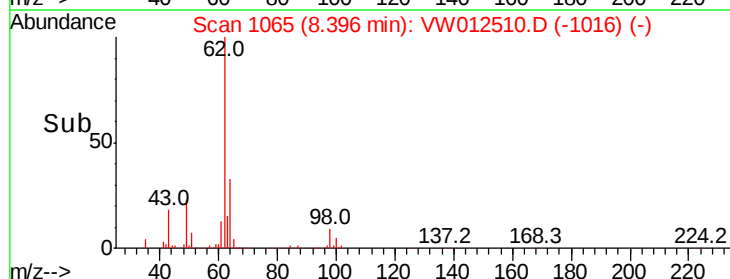
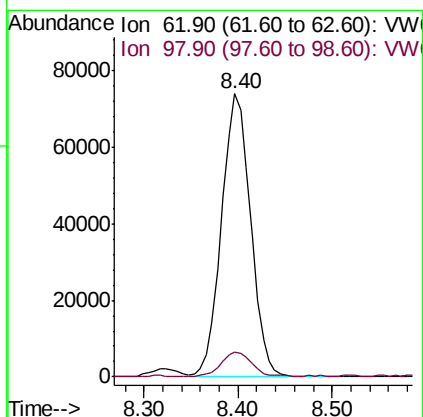
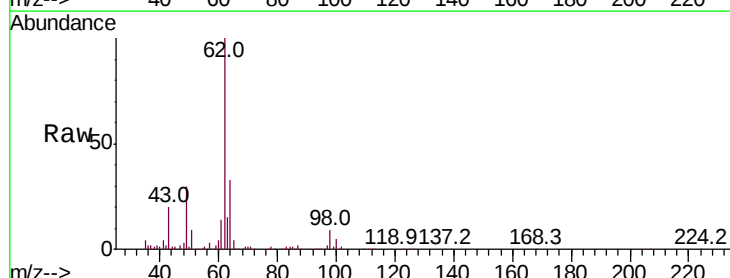
Manual Integrations
APPROVED

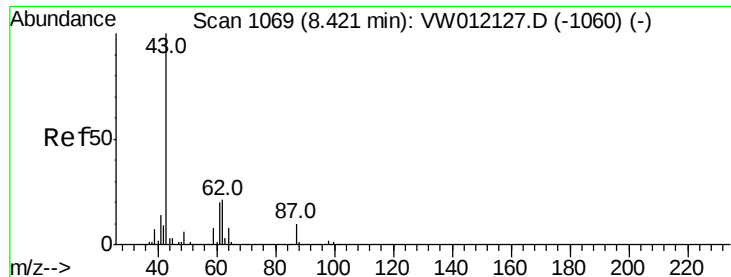
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.547 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	62	Resp	158825
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 57.616 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

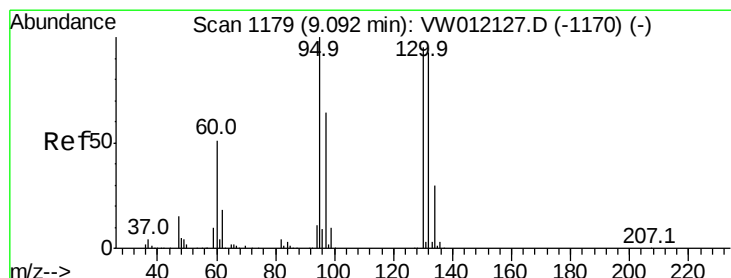
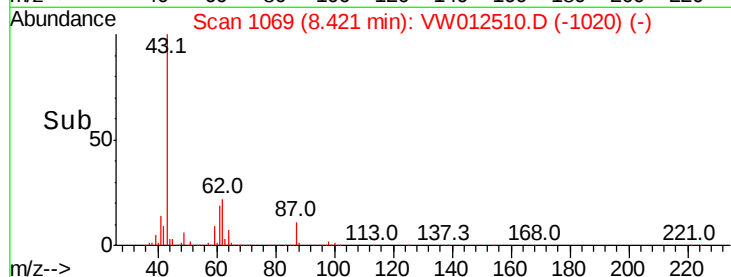
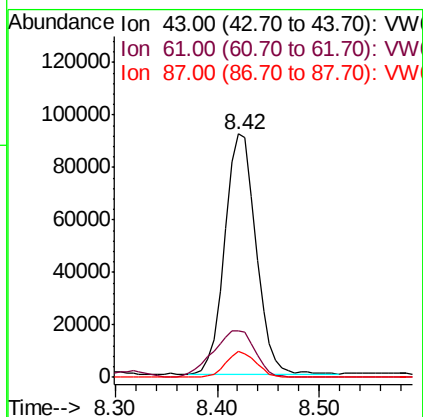
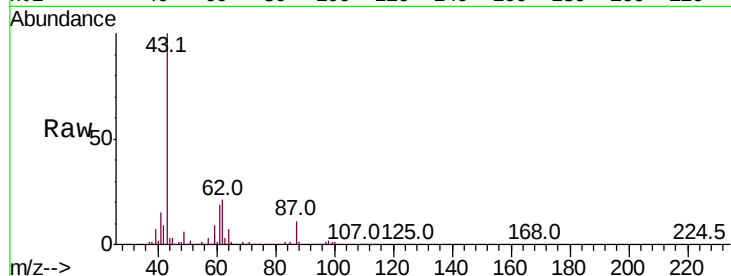
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	195399
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.1	31.7
87	10.4	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 55.452 ug/l

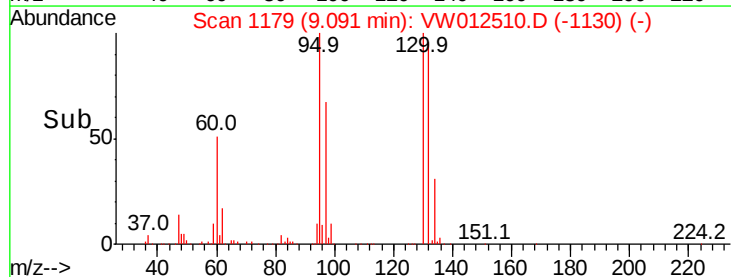
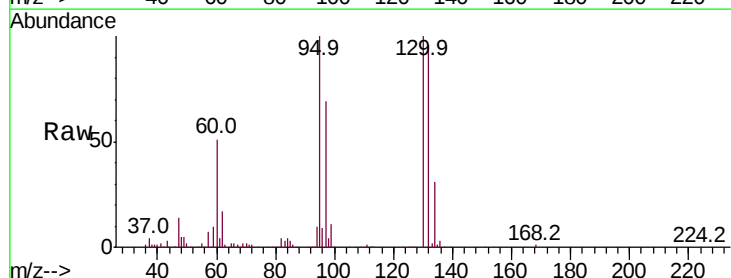
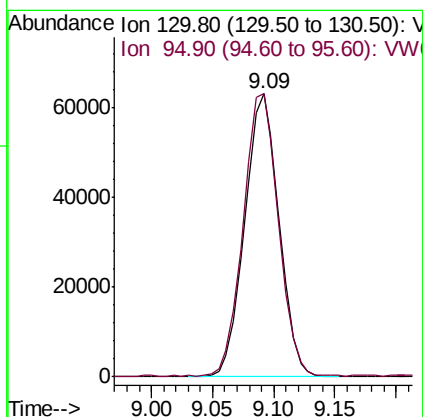
RT: 9.09 min Scan# 1179

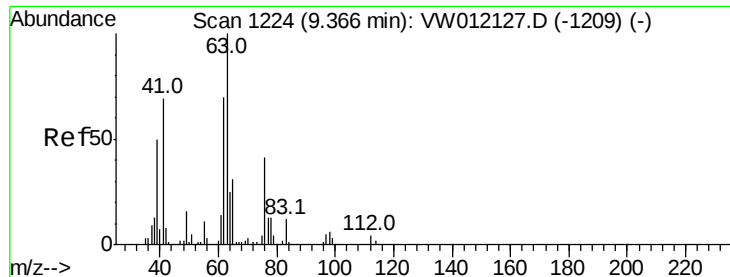
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	130	Resp:	122981
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	210.6





#45

1,2-Dichloropropane

Concen: 53.984 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 132549

Ion Ratio Lower Upper

63 100

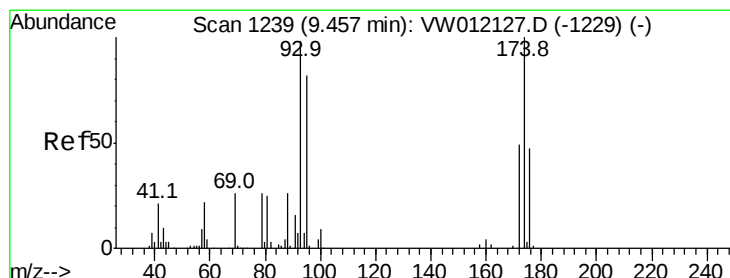
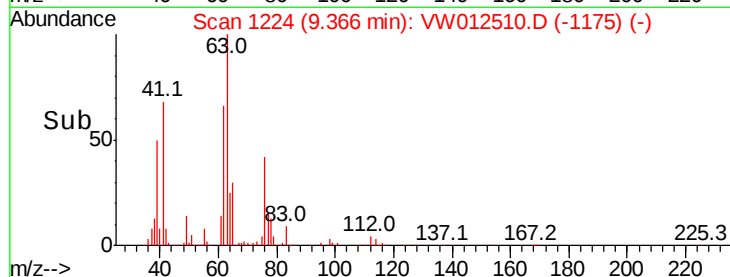
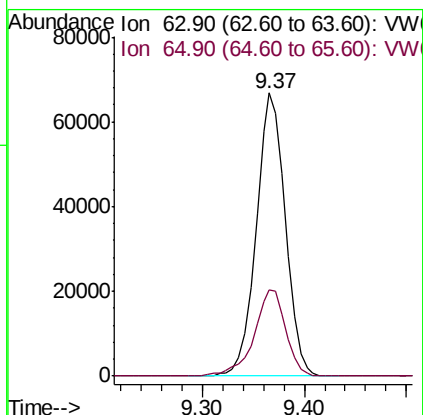
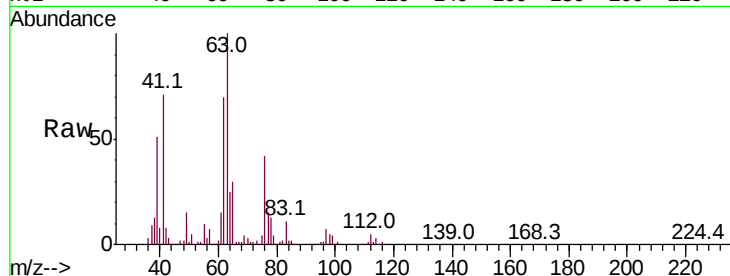
65 30.2 25.0 37.4

Manual Integrations

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MMDadoda

9/3/2019 10:55:43 AM



#46

Dibromomethane

Concen: 55.271 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

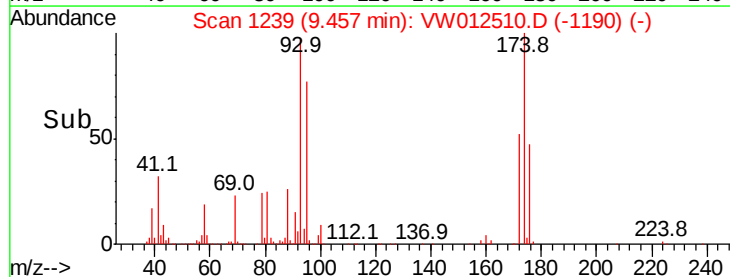
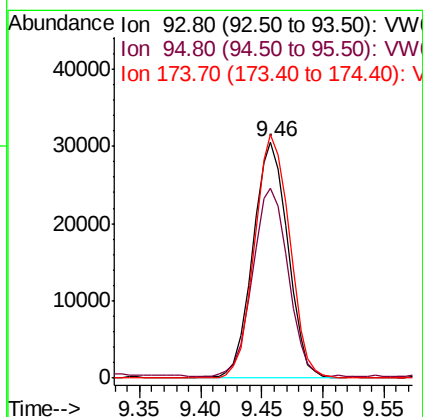
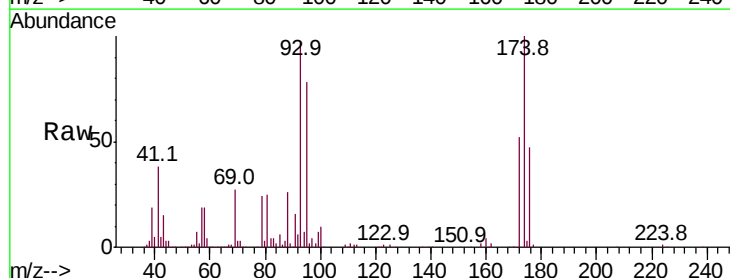
Tgt Ion: 93 Resp: 60380

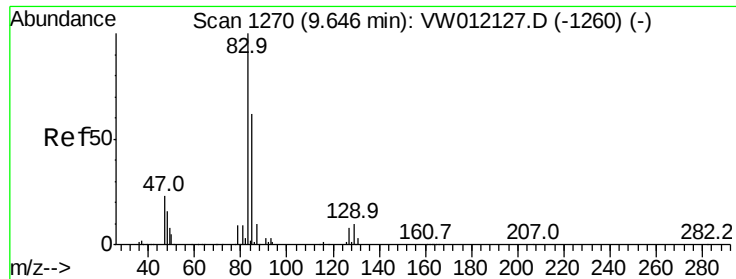
Ion Ratio Lower Upper

93 100

95 81.5 67.2 100.8

174 104.1 79.0 118.6





#47

Bromodichloromethane

Concen: 56.320 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

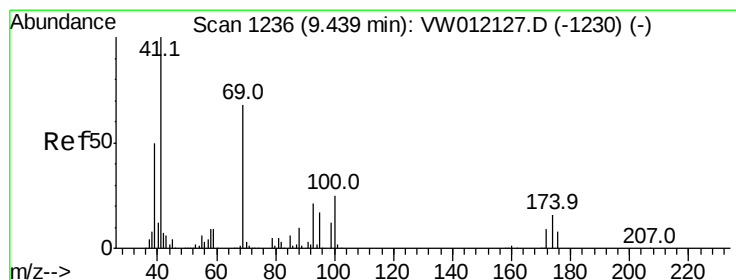
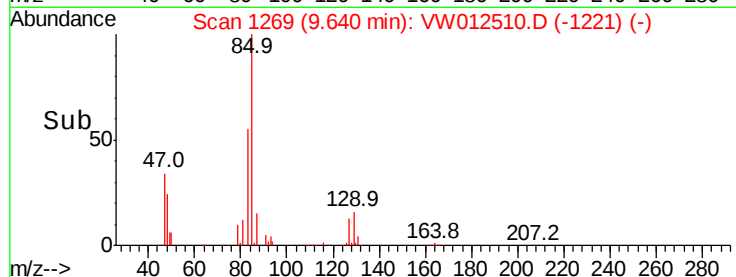
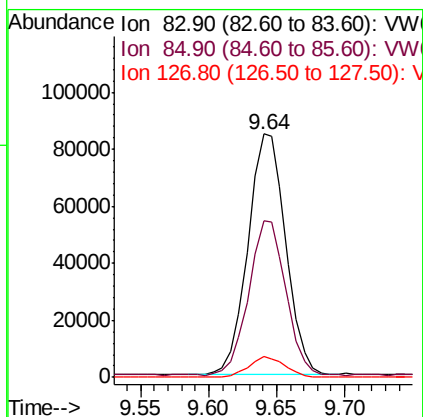
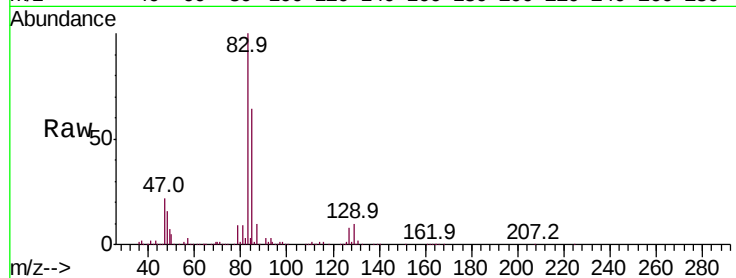
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	163749
Ion Ratio	Lower	Upper	
83	100		
85	64.1	49.4	74.2
127	8.6	6.1	9.1

Manual Integrations
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9/3/2019 10:55:43 AM



#48

Methyl methacrylate

Concen: 58.519 ug/l

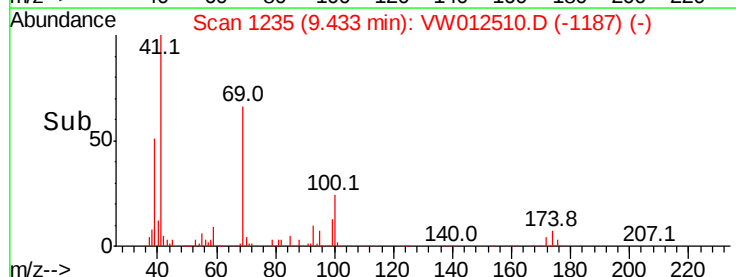
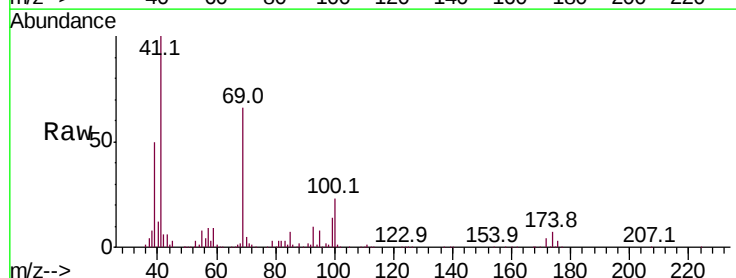
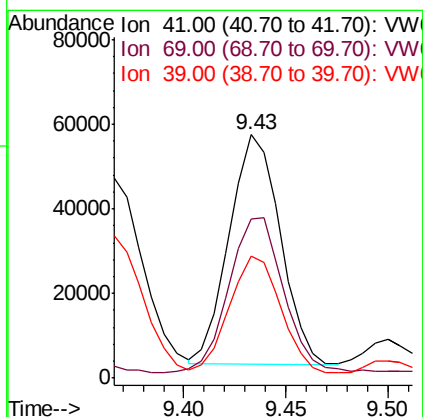
RT: 9.43 min Scan# 1235

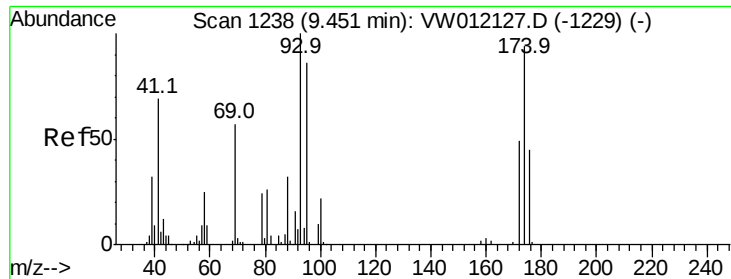
Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	41	Resp:	94456
Ion Ratio	Lower	Upper	
41	100		
69	72.6	56.7	85.1
39	55.1	42.0	63.0





#49

1,4-Dioxane

Concen: 1105.653 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 18491

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

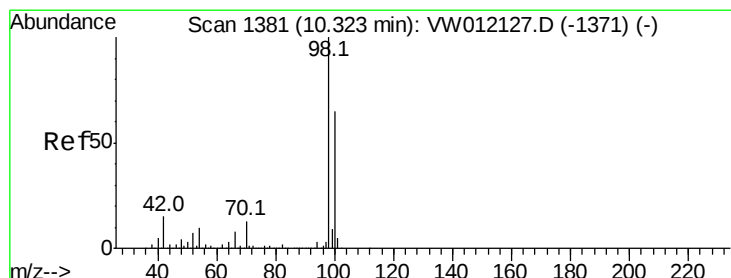
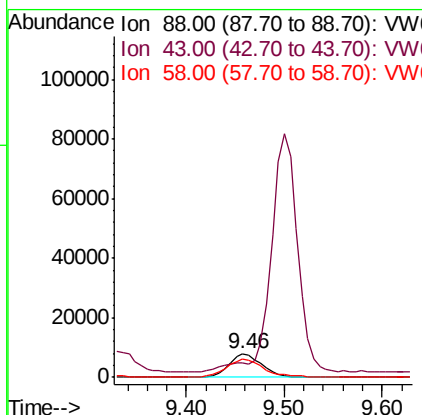
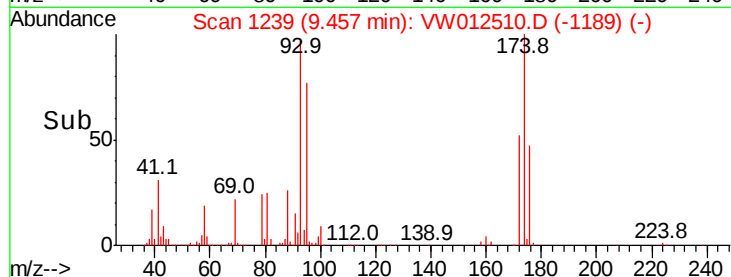
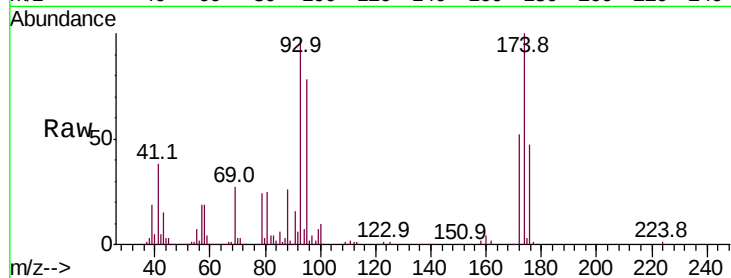
58 84.0 71.0 106.4

Manual Integrations

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#50

Toluene-d8

Concen: 51.748 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012510.D

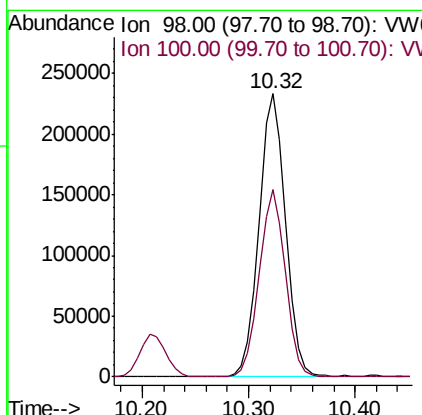
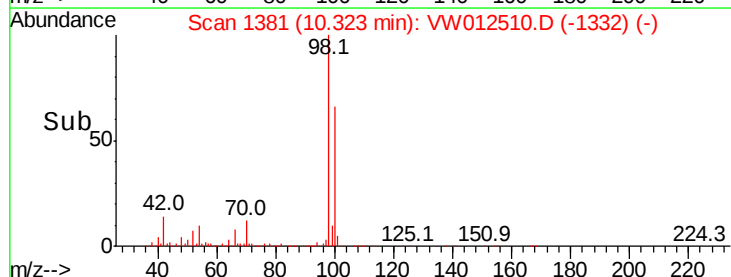
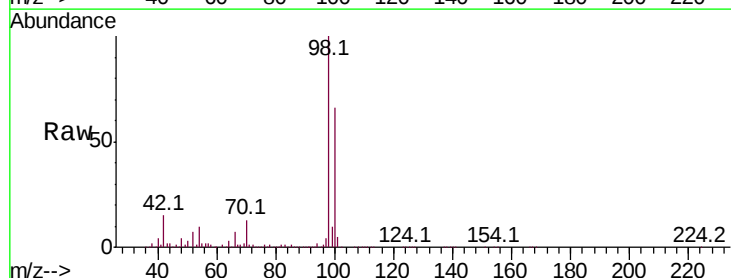
Acq: 02 Sep 2019 20:02

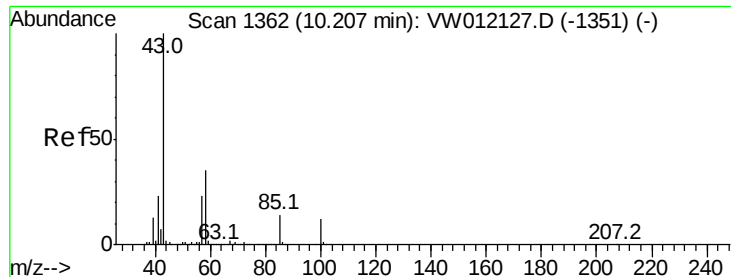
Tgt Ion: 98 Resp: 404936

Ion Ratio Lower Upper

98 100

100 65.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 287.898 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 496611

Ion Ratio Lower Upper

43 100

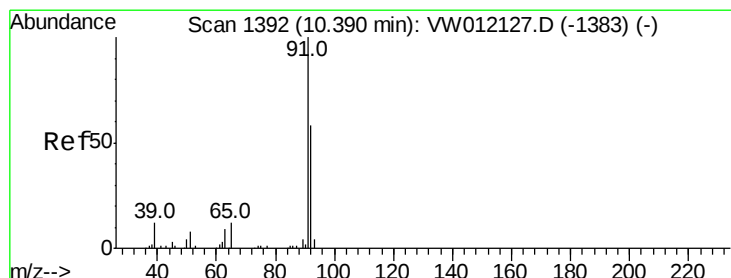
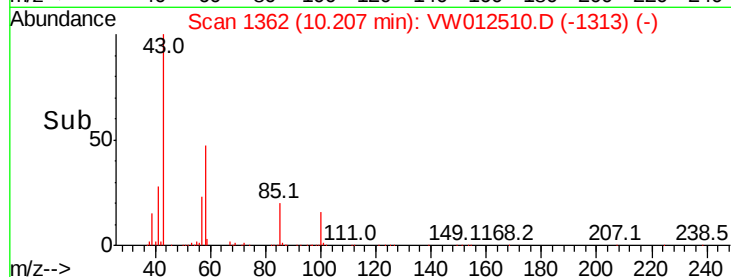
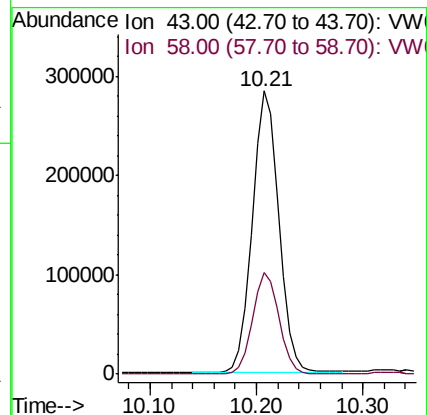
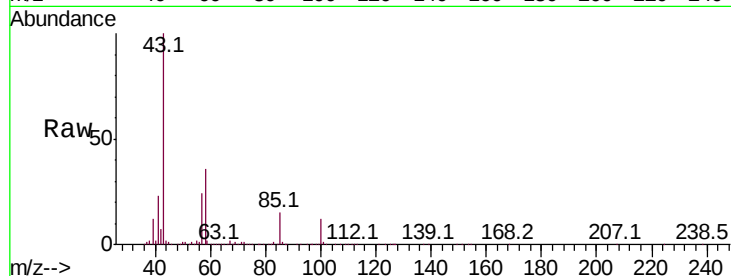
58 35.8 28.2 42.2

Manual Integrations

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MMDadoda

9/3/2019 10:55:43 AM



#52

Toluene

Concen: 55.440 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012510.D

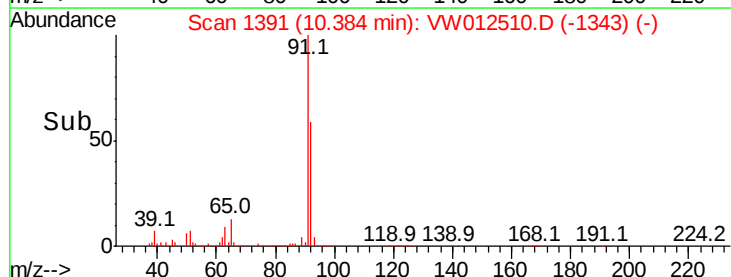
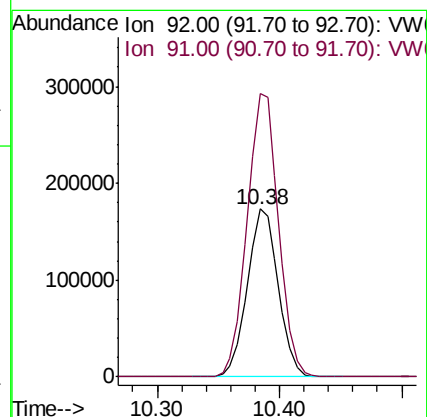
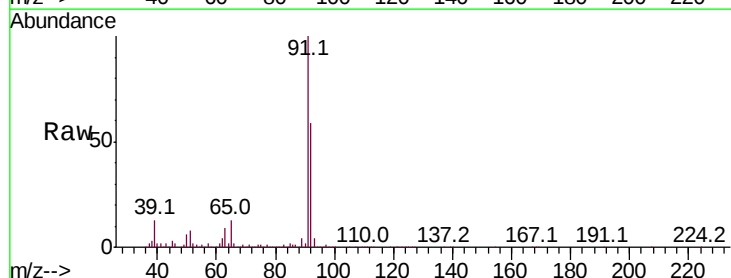
Acq: 02 Sep 2019 20:02

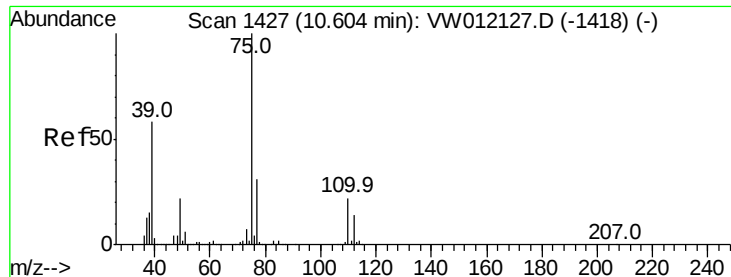
Tgt Ion: 92 Resp: 303852

Ion Ratio Lower Upper

92 100

91 171.5 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 56.687 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 167885

Ion Ratio Lower Upper

75 100

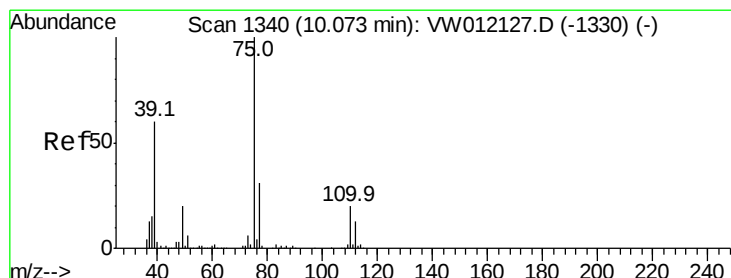
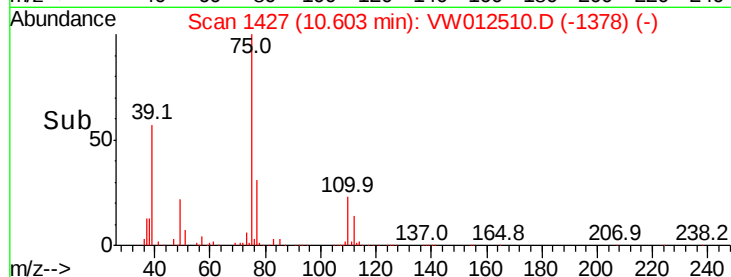
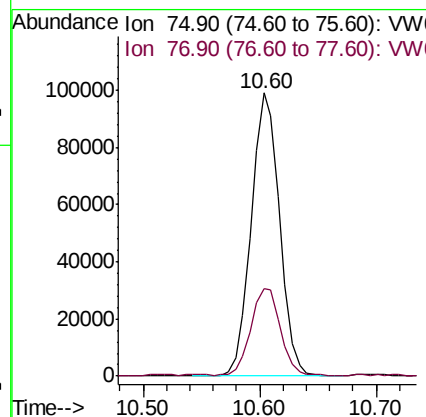
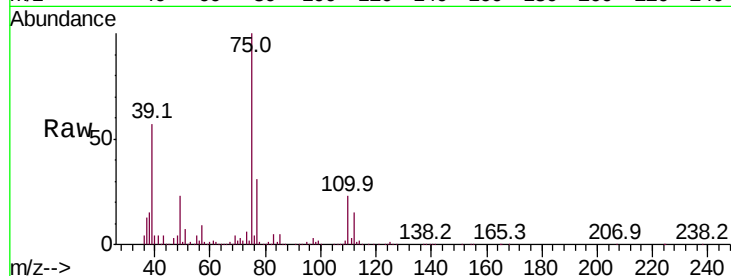
77 30.6 25.0 37.4

Manual Integrations

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9/3/2019 10:55:43 AM



#54

cis-1,3-Dichloropropene

Concen: 56.273 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

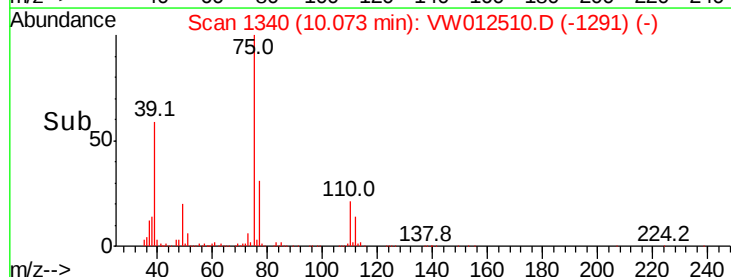
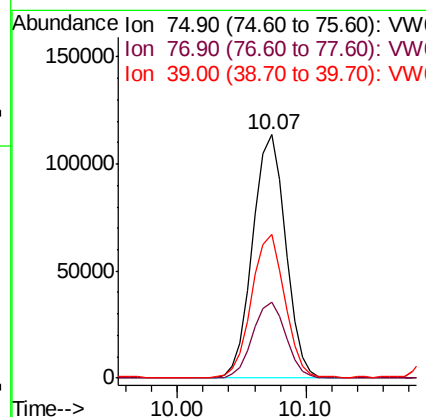
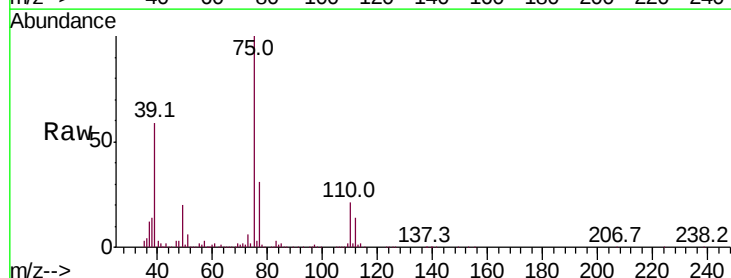
Tgt Ion: 75 Resp: 201232

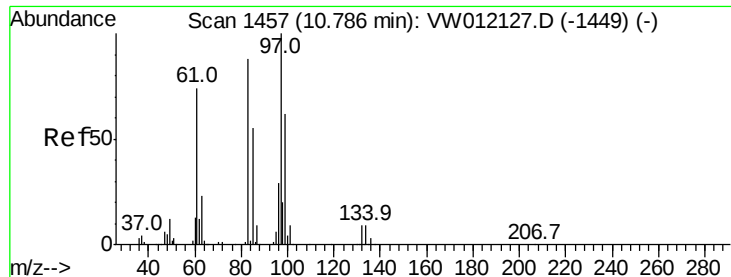
Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 58.6 48.3 72.5





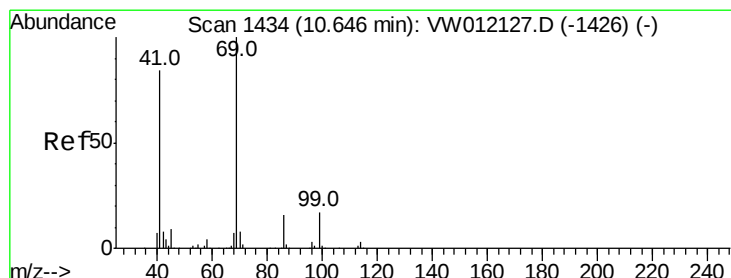
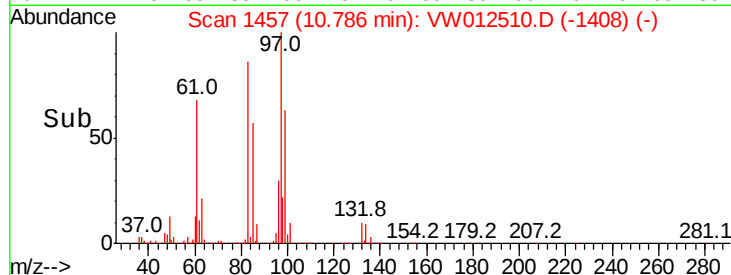
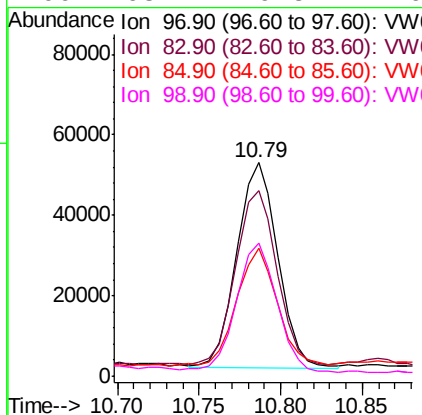
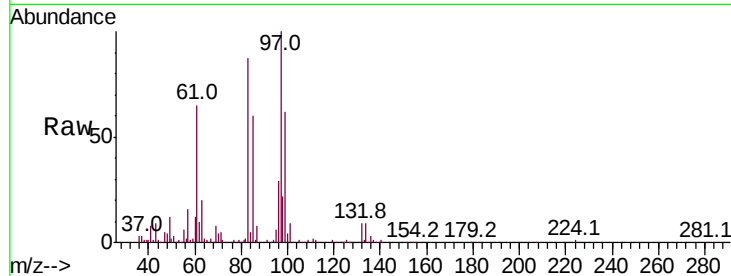
#55
 1,1,2-Trichloroethane
 Concen: 57.422 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	88755
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.8	106.2
85	56.8	43.8	65.8
99	63.4	49.8	74.6

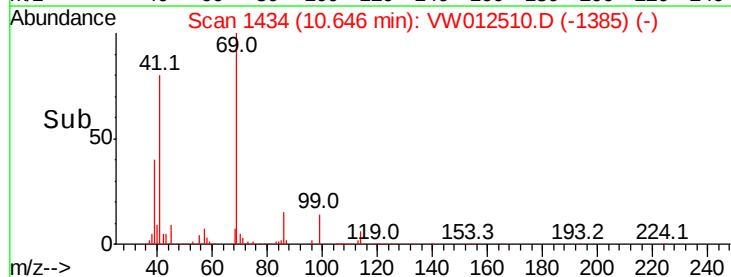
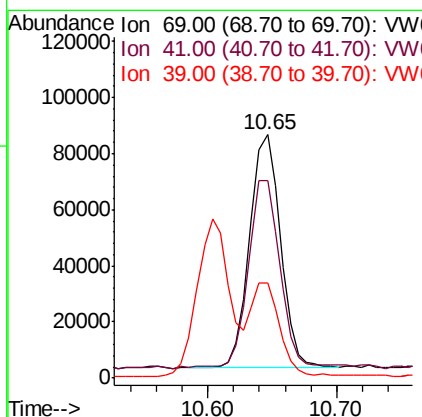
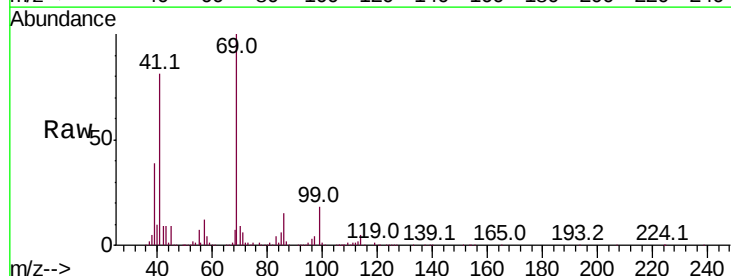
Manual Integrations
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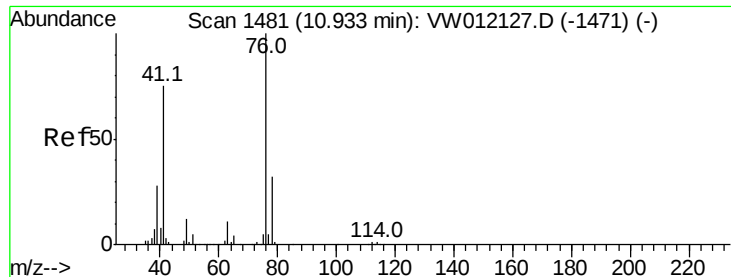
MMDadoda
 9/3/2019 10:55:43 AM



#56
 Ethyl methacrylate
 Concen: 61.214 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Tgt Ion:	69	Resp:	137705
Ion	Ratio	Lower	Upper
69	100		
41	82.8	66.5	99.7
39	36.3	31.0	46.4





#57

1,3-Dichloropropane

Concen: 56.541 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 165151

Ion Ratio Lower Upper

76 100

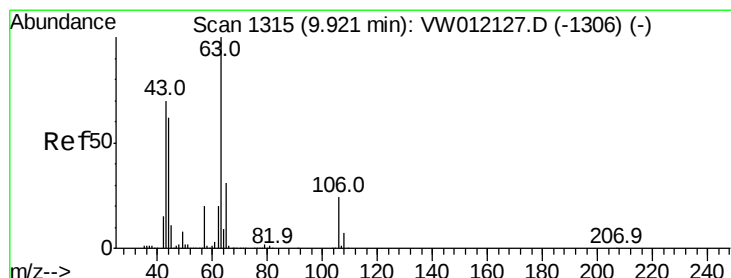
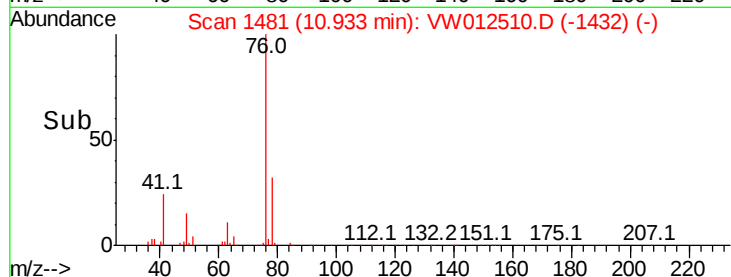
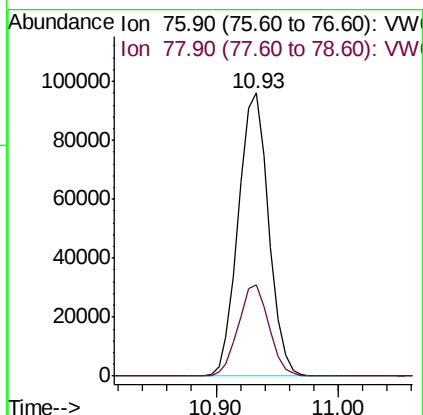
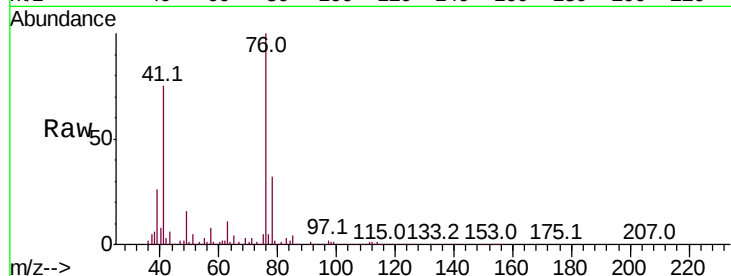
78 32.8 25.8 38.8

Manual Integrations

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MMDadoda

9/3/2019 10:55:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 269.061 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012510.D

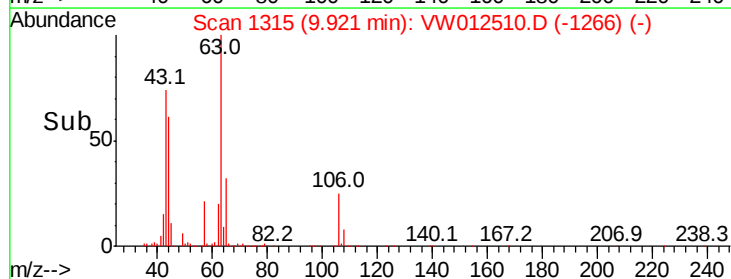
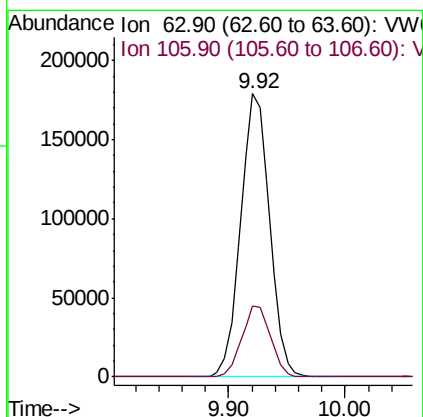
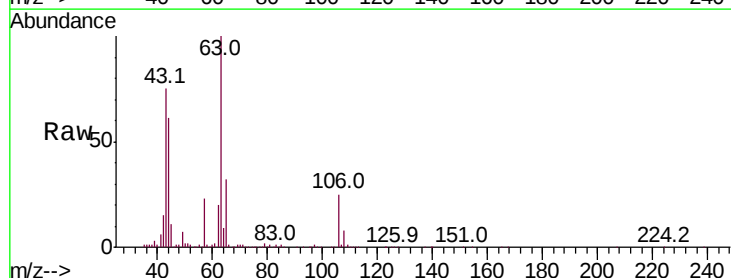
Acq: 02 Sep 2019 20:02

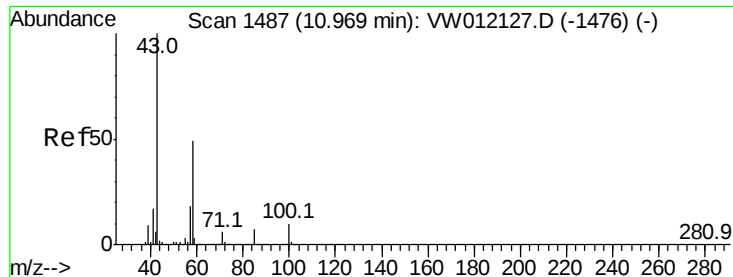
Tgt Ion: 63 Resp: 310640

Ion Ratio Lower Upper

63 100

106 25.1 19.8 29.8





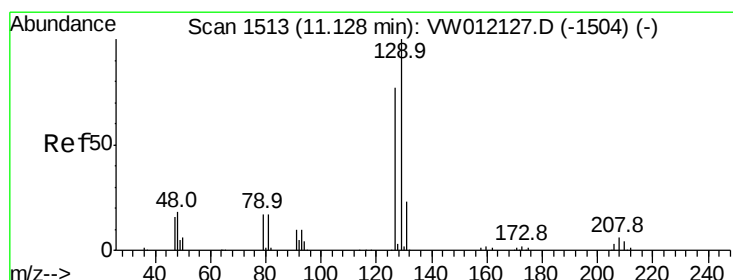
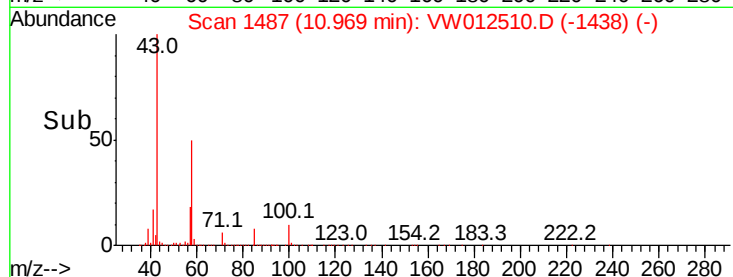
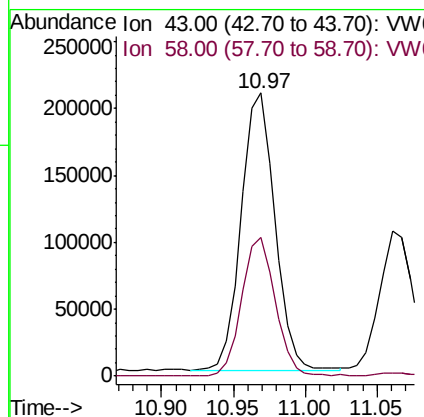
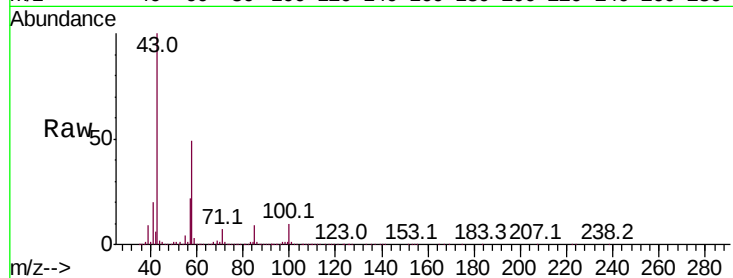
#59
2-Hexanone
Concen: 276.753 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.3	72.9

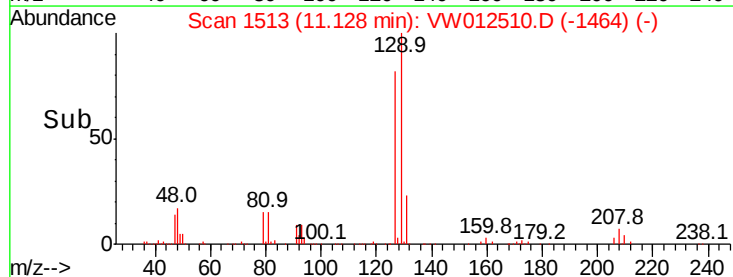
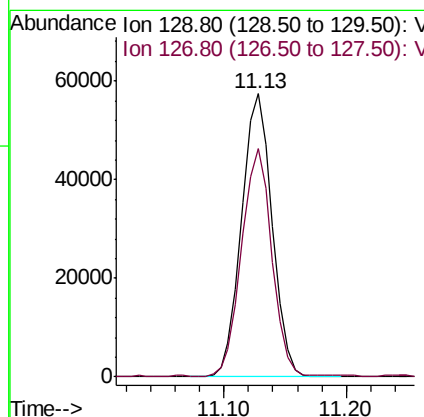
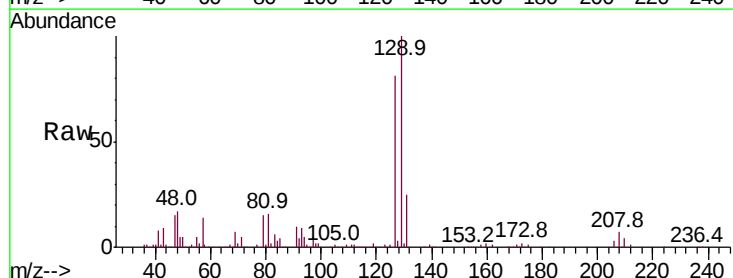
Manual Integrations
APPROVED

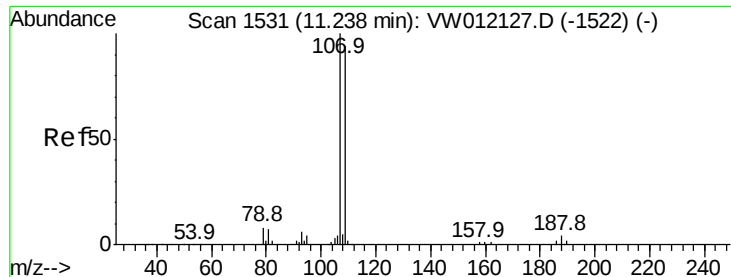
MMDadoda
9/3/2019 10:55:43 AM



#60
Dibromochloromethane
Concen: 57.790 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.6	115.8





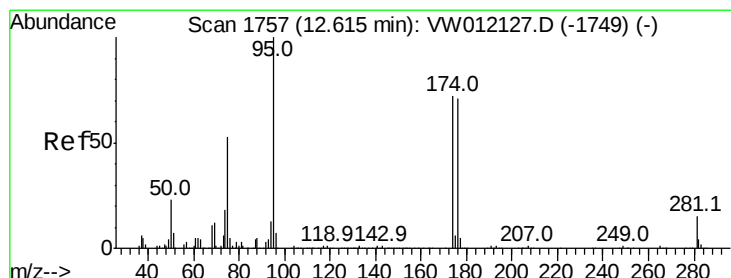
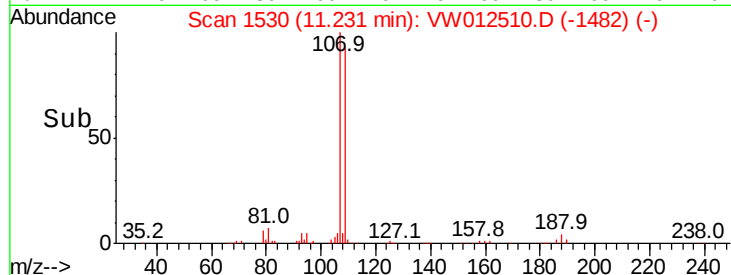
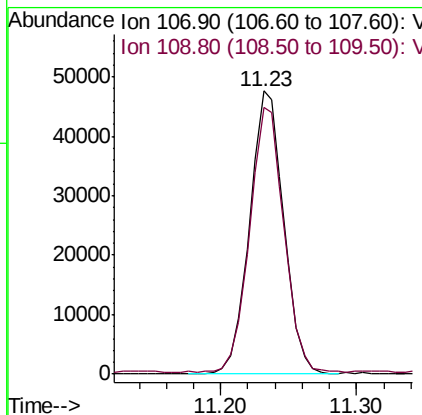
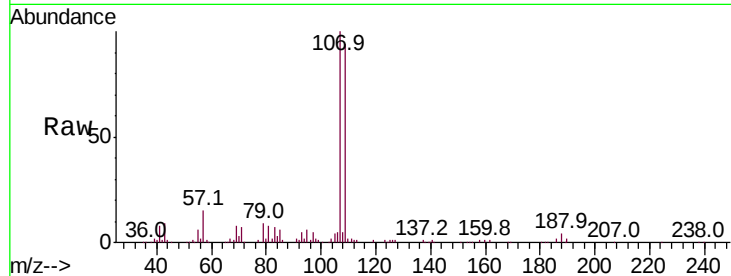
#61
 1,2-Dibromoethane
 Concen: 57.792 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

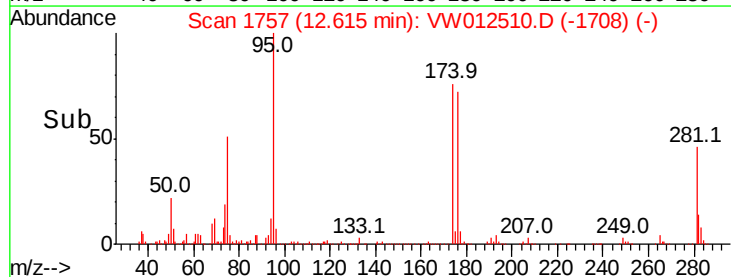
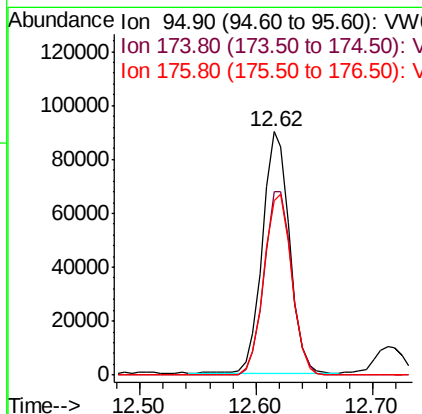
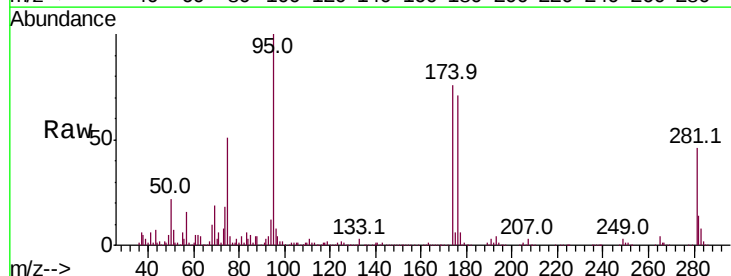
Manual Integrations
 APPROVED

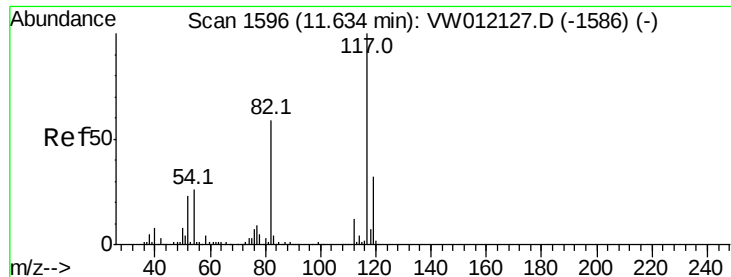
MMDadoda
 9/3/2019 10:55:43 AM



#62
 4-Bromofluorobenzene
 Concen: 52.797 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012510.D
 Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	150.8
176	76.6	0.0	148.6





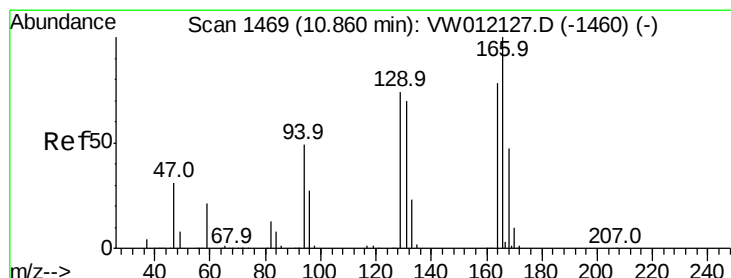
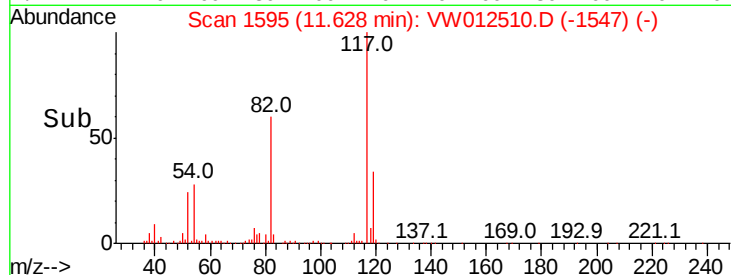
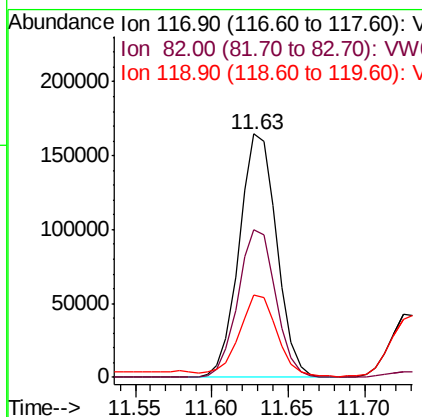
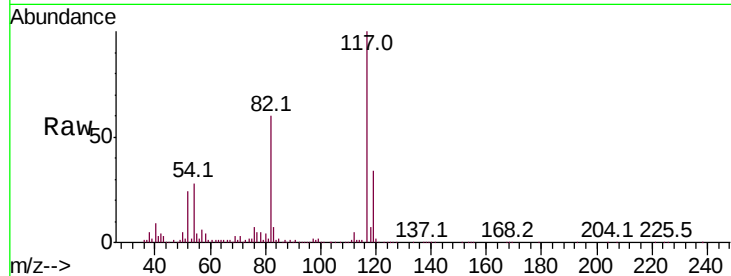
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	279798		
82	60.2		47.4	71.2
119	33.3		25.4	38.2

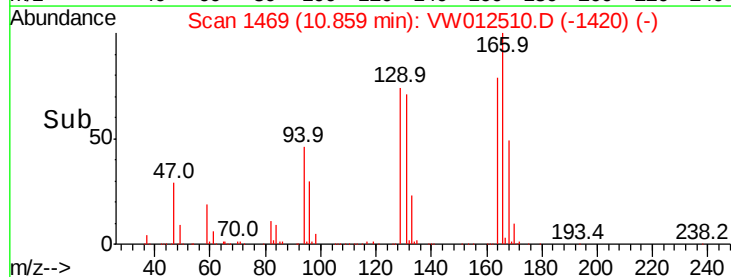
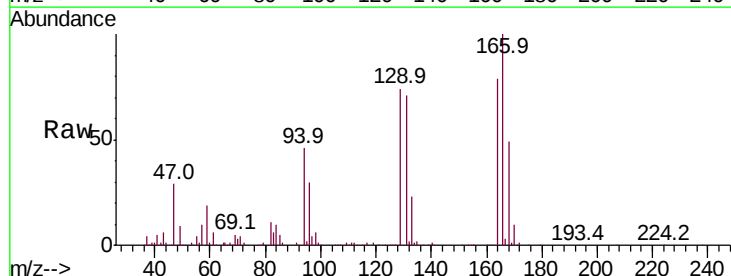
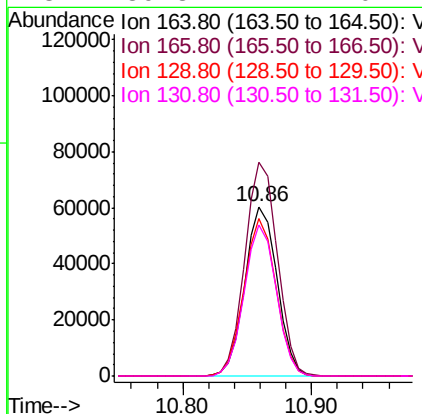
Manual Integrations
APPROVED

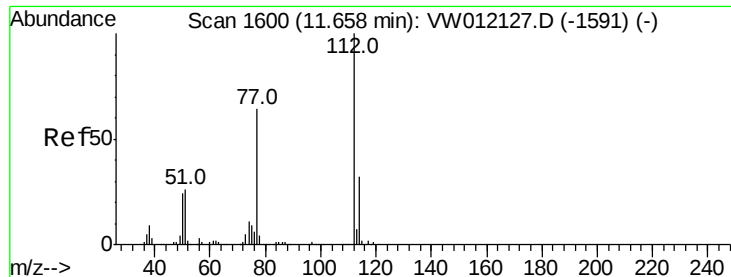
MMDadoda
9/3/2019 10:55:43 AM



#64
Tetrachloroethene
Concen: 57.347 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104029		
166	126.3		102.4	153.6
129	93.5		75.8	113.6
131	89.3		71.4	107.2





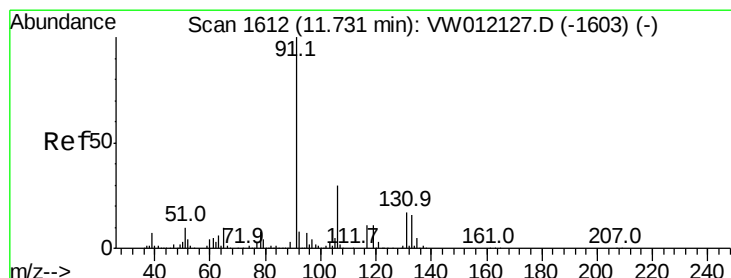
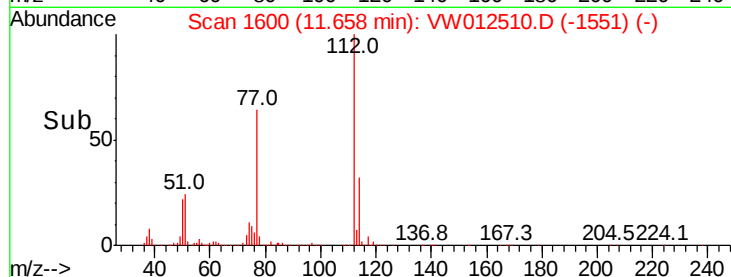
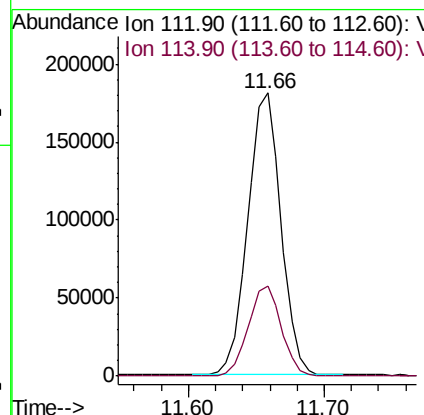
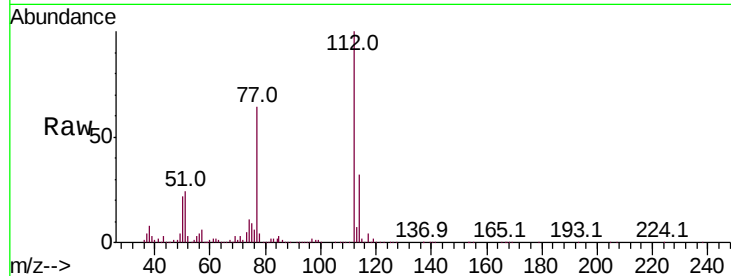
#65
Chlorobenzene
Concen: 55.749 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.6

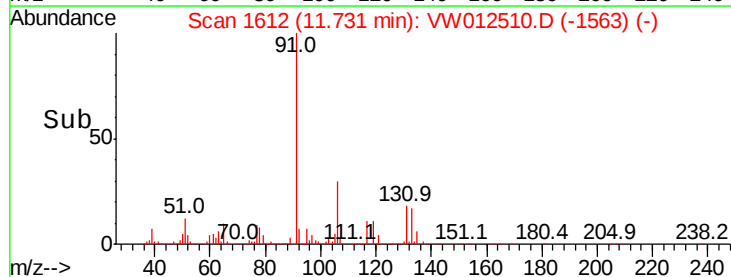
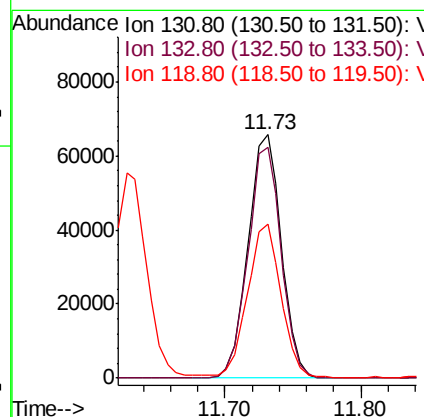
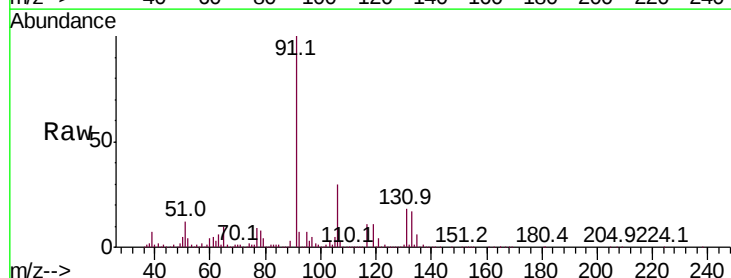
Manual Integrations
APPROVED

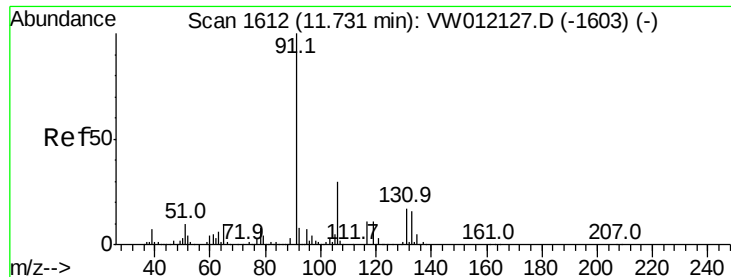
MMDadoda
9/3/2019 10:55:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.661 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.1	141.3
119	63.2	31.8	95.3





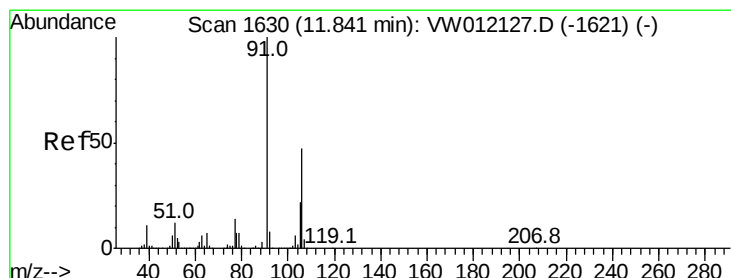
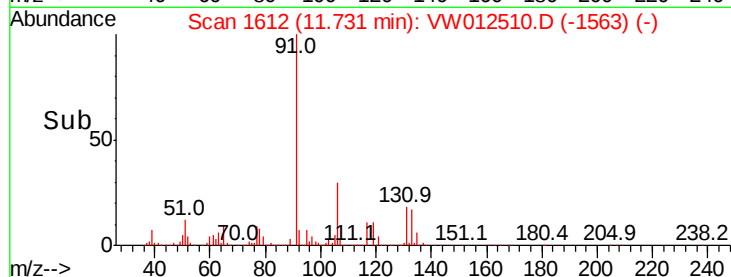
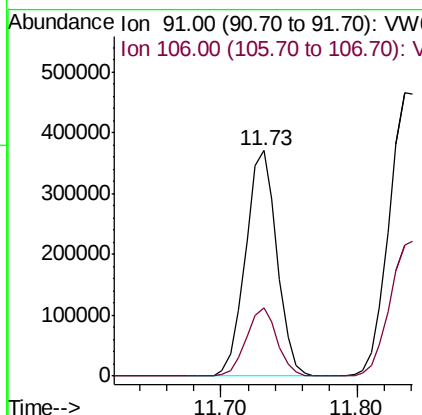
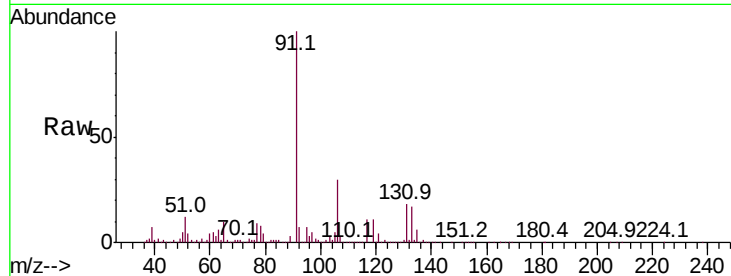
#67
Ethyl Benzene
Concen: 56.152 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 595943
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

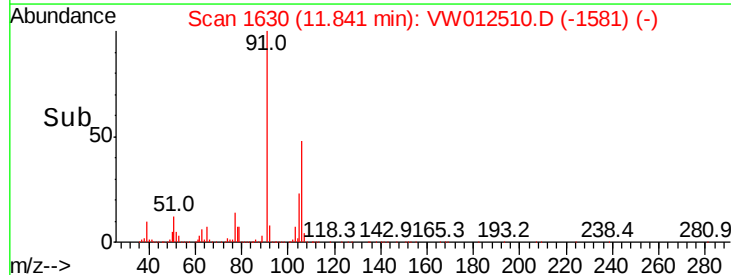
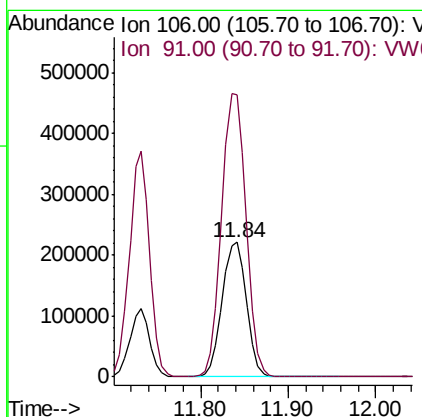
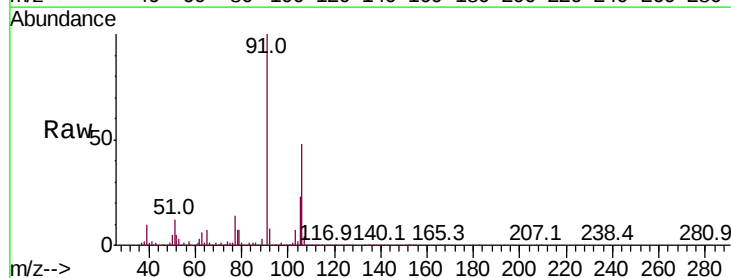
Manual Integrations
APPROVED

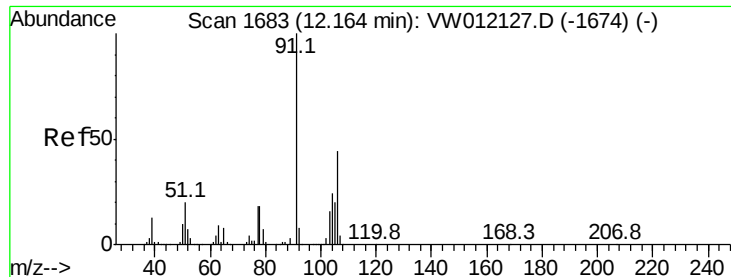
MMDadoda
9/3/2019 10:55:43 AM



#68
m/p-Xylenes
Concen: 111.311 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion: 106 Resp: 425534
Ion Ratio Lower Upper
106 100
91 212.1 169.5 254.3





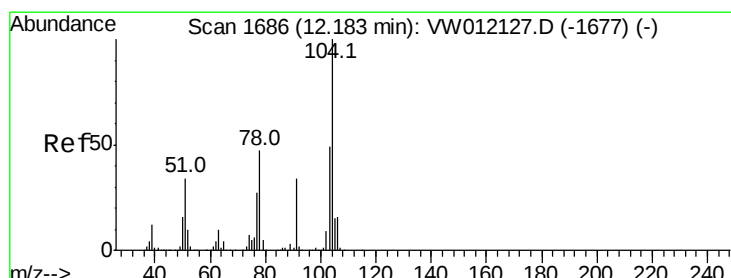
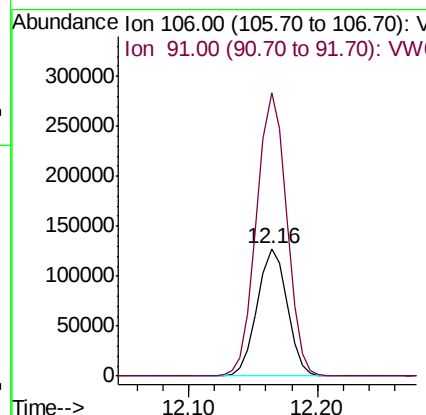
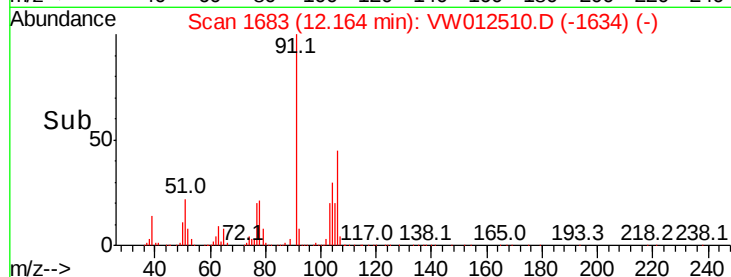
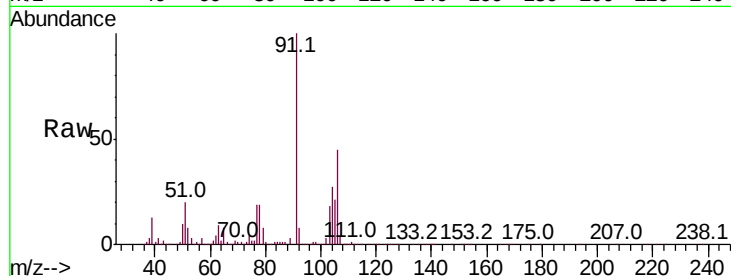
#69
o-Xylene
Concen: 57.844 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.1	111.6	334.6

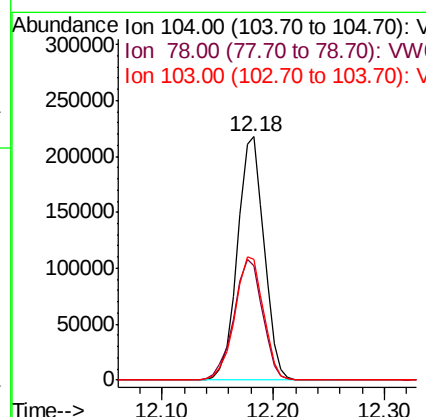
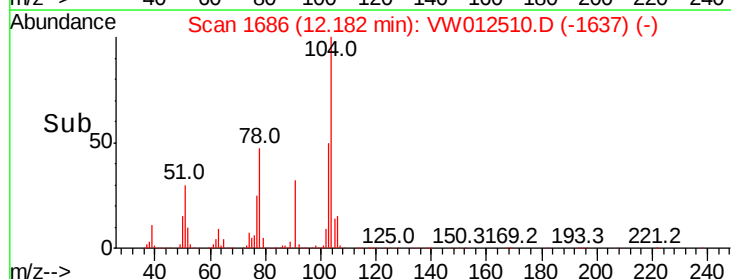
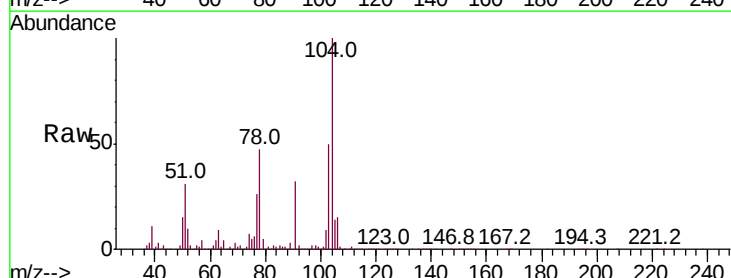
Manual Integrations
APPROVED

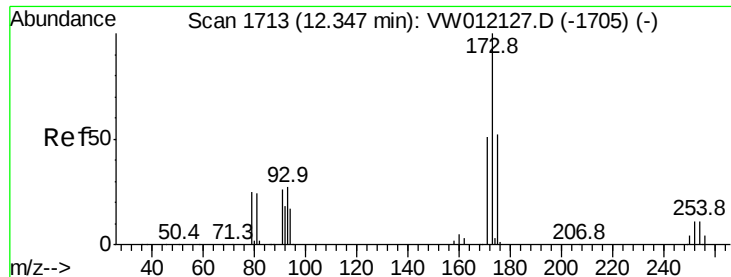
MMDadoda
9/3/2019 10:55:43 AM



#70
Styrene
Concen: 58.642 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	54.6	43.5	65.3





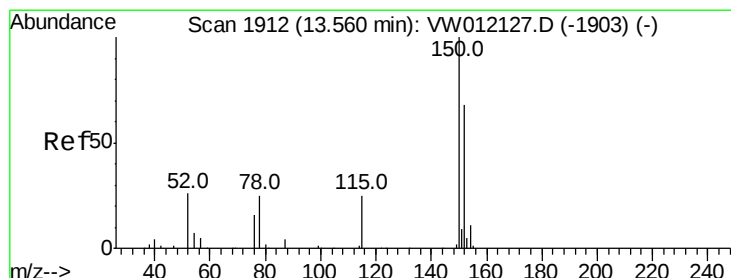
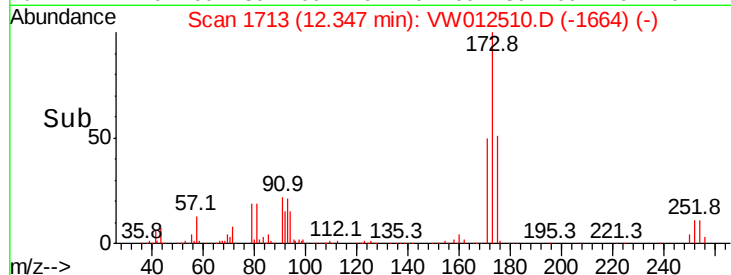
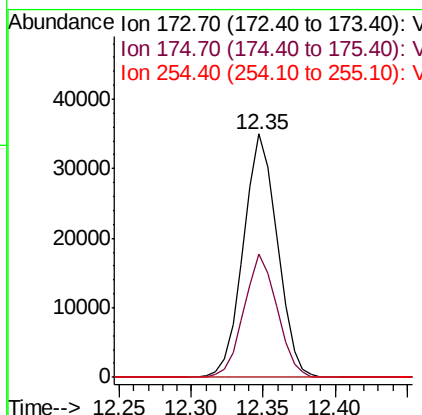
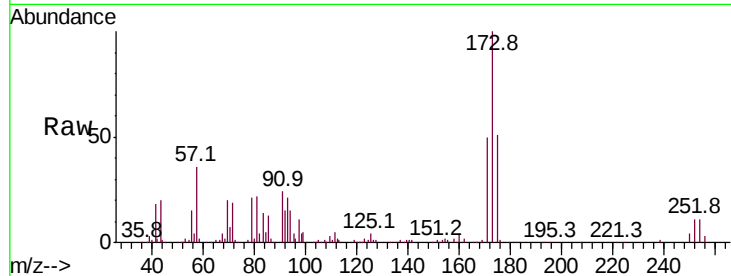
#71
Bromoform
Concen: 59.676 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	74.0
254	0.1	0.2	0.2#

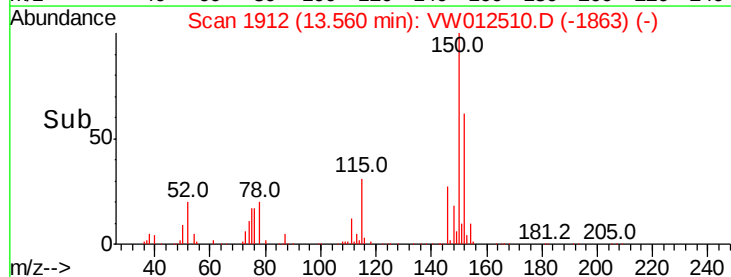
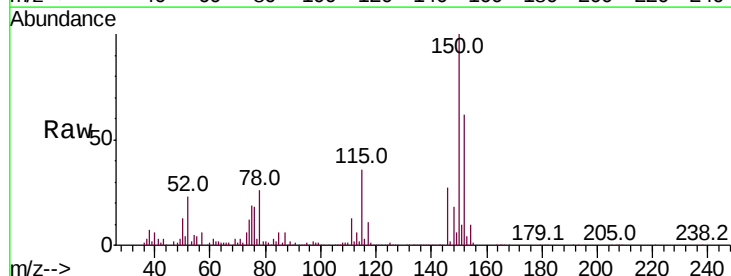
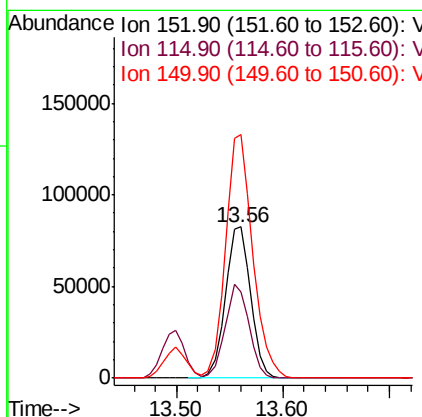
Manual Integrations
APPROVED

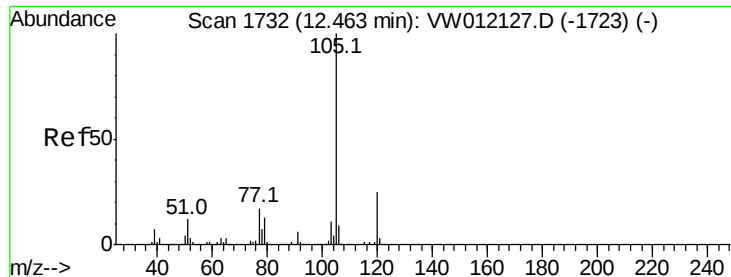
MMDadoda
9/3/2019 10:55:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.1	90.3
150	173.2	0.0	345.8





#73

Isopropylbenzene

Concen: 55.977 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 572465

Ion Ratio Lower Upper

105 100

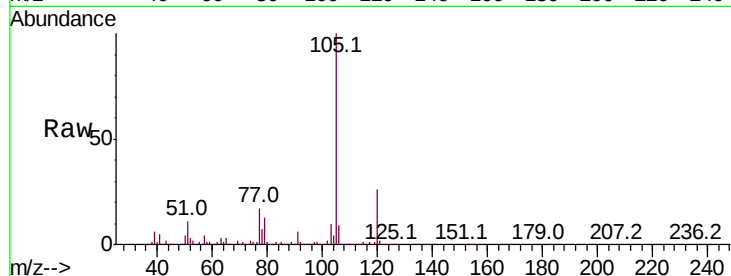
120 25.5 12.5 37.5

Manual Integrations

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9/3/2019 10:55:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

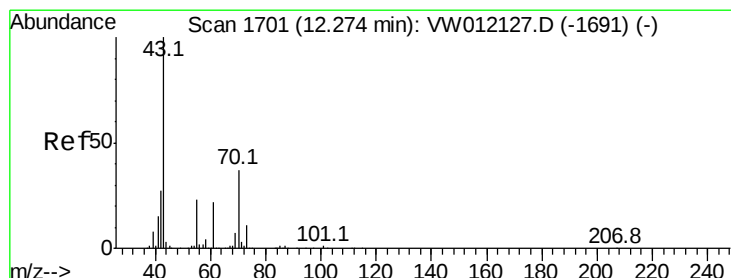
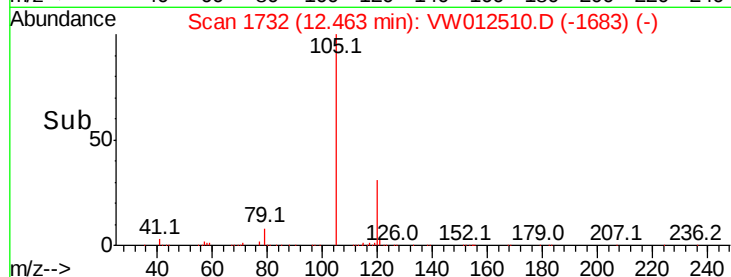
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 57.711 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion: 43 Resp: 178316

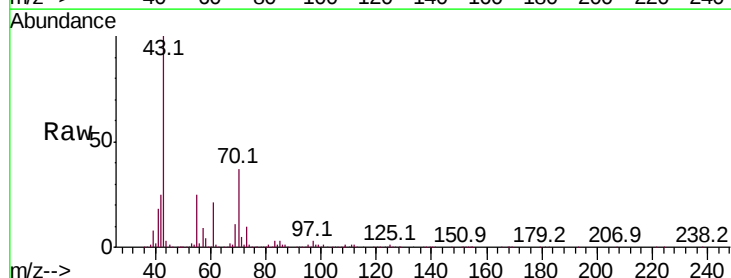
Ion Ratio Lower Upper

43 100

70 36.7 28.6 43.0

55 23.7 17.8 26.6

61 21.9 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

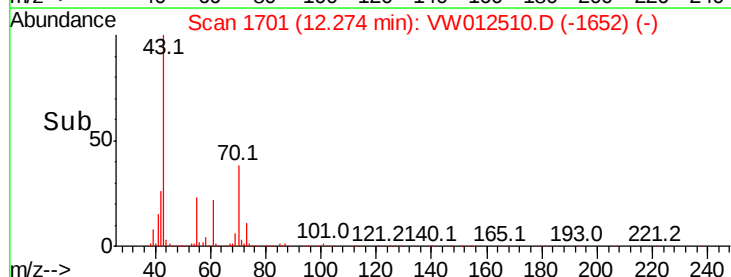
150000

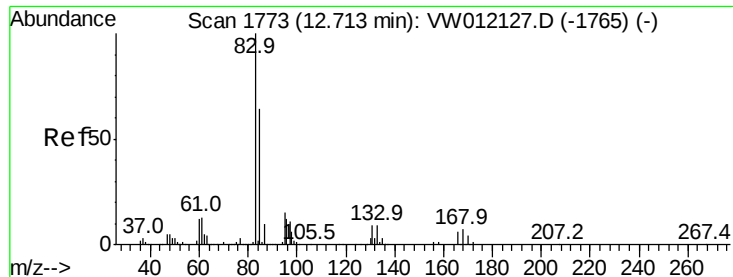
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.209 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

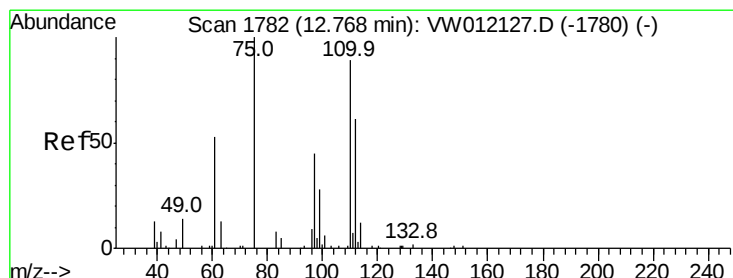
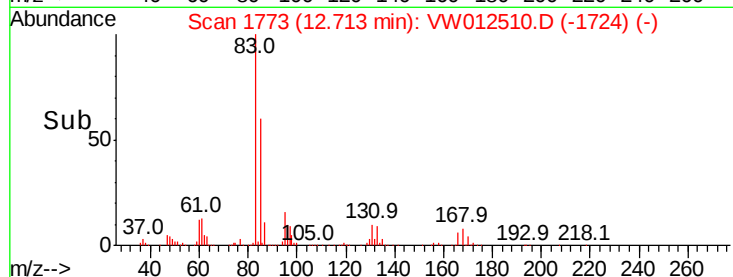
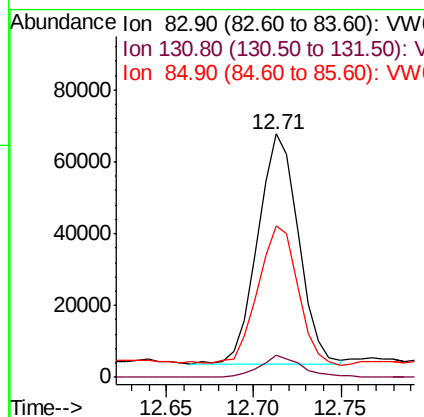
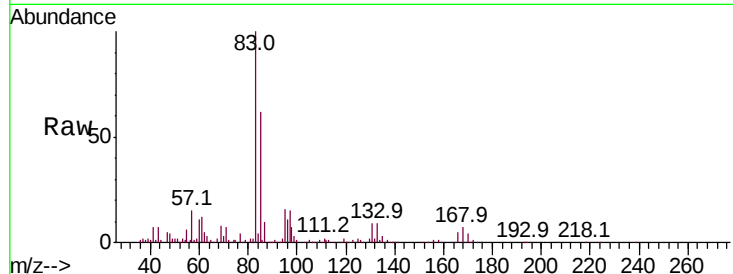
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	103510
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	60.0	31.9	95.7

Manual Integrations
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9/3/2019 10:55:43 AM



#76

1,2,3-Trichloropropane

Concen: 52.196 ug/l m

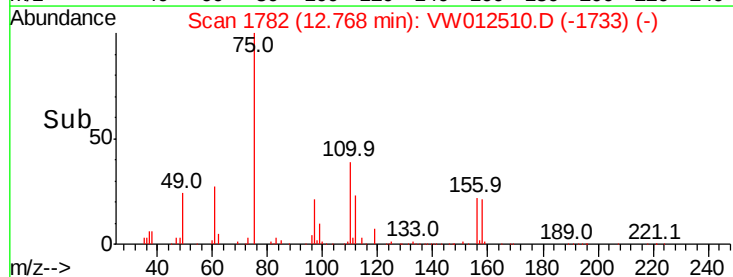
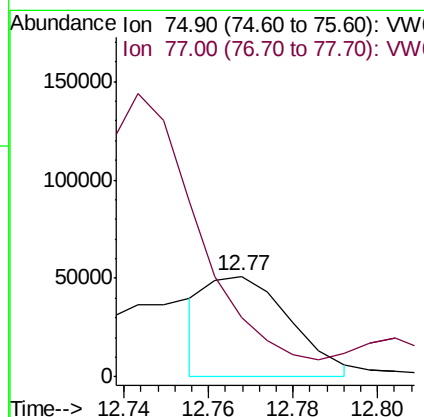
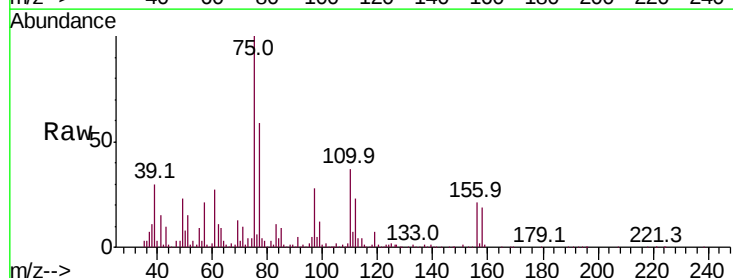
RT: 12.77 min Scan# 1782

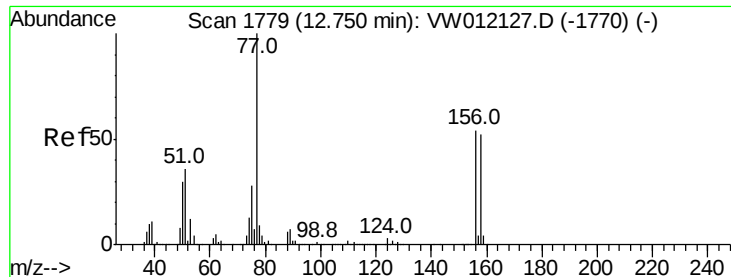
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	75	Resp:	69381
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.734 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

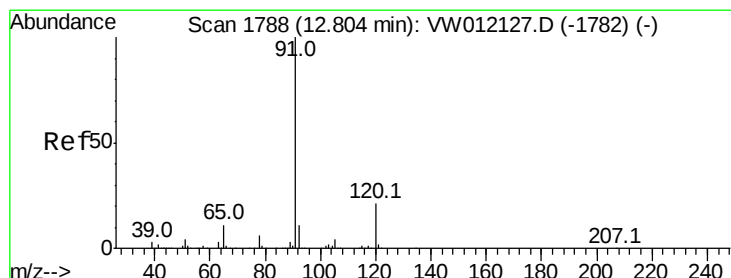
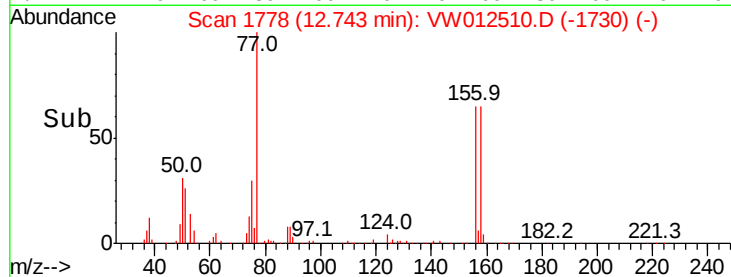
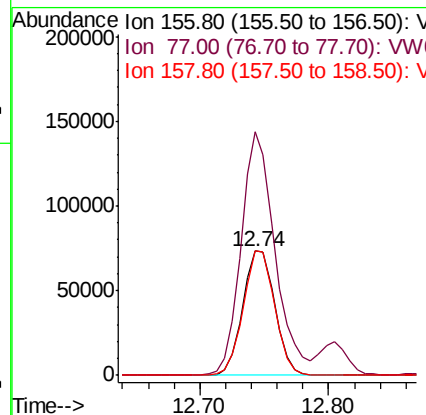
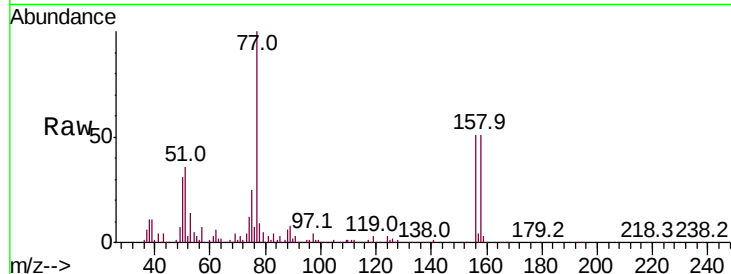
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	125522
Ion Ratio	Lower	Upper	
156	100		
77	206.9	107.3	321.8
158	97.9	49.0	147.0

Manual Integrations
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#78

n-propylbenzene

Concen: 54.313 ug/l

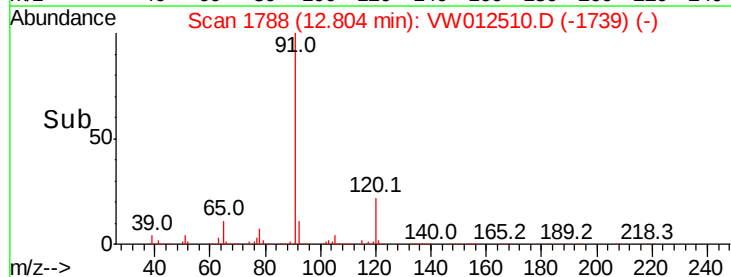
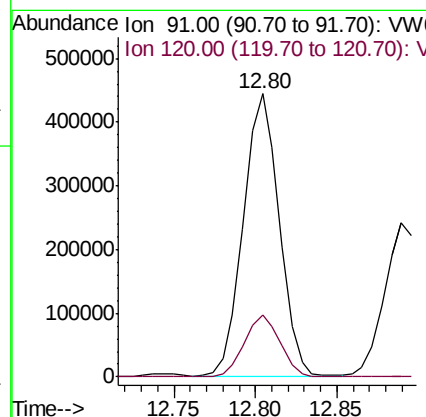
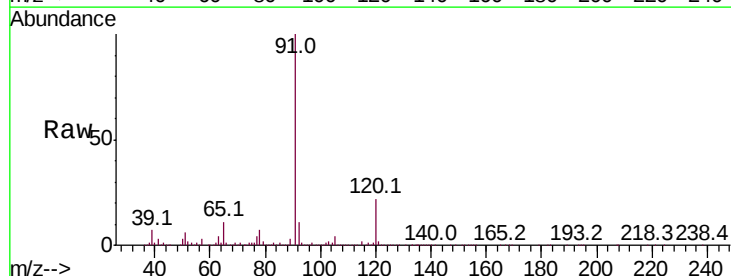
RT: 12.80 min Scan# 1788

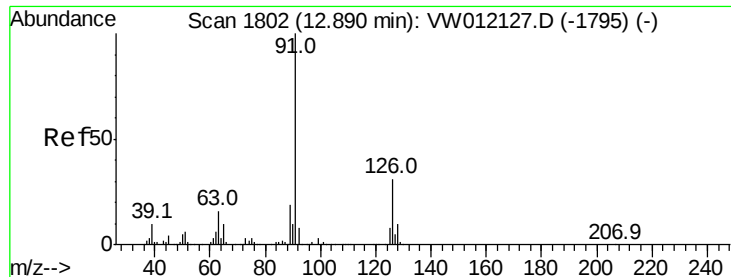
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	91	Resp:	678099
Ion Ratio	Lower	Upper	
91	100		
120	21.9	10.5	31.6





#79

2-Chlorotoluene

Concen: 54.970 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 389643

Ion Ratio Lower Upper

91 100

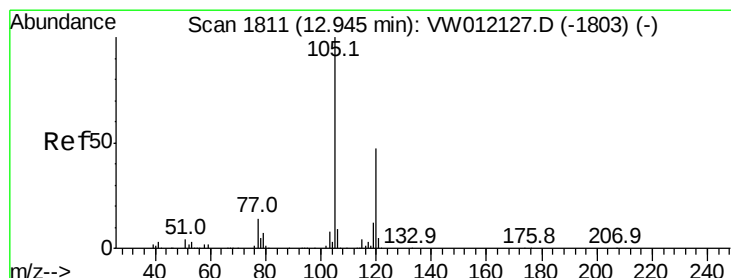
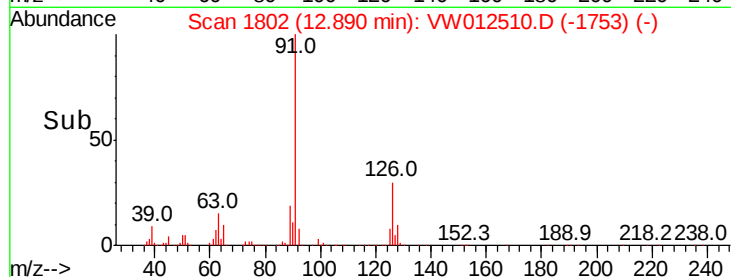
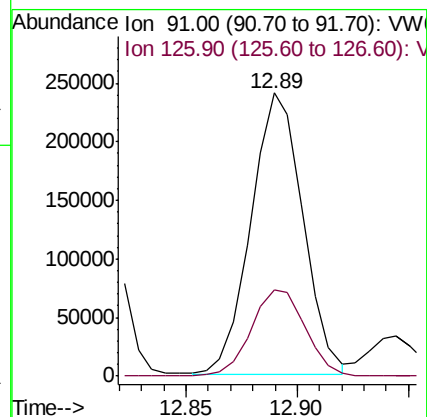
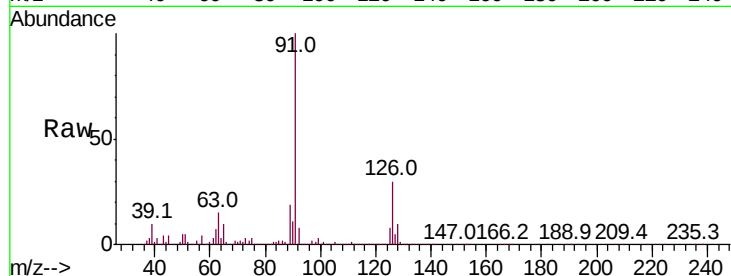
126 31.5 15.7 47.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.791 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012510.D

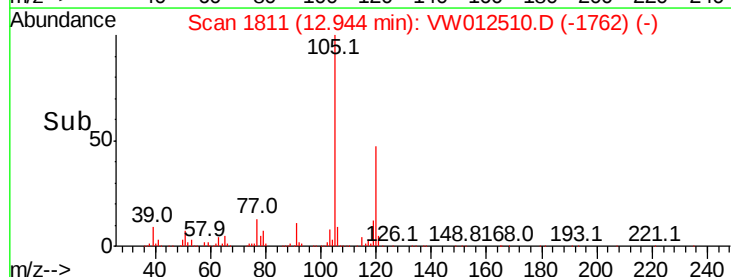
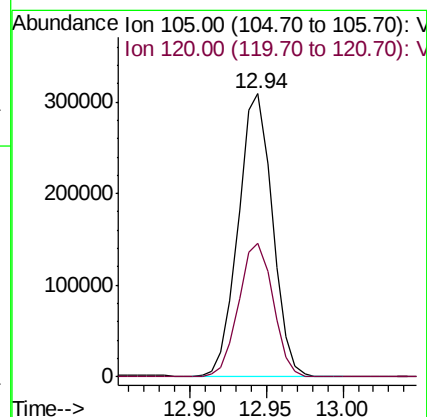
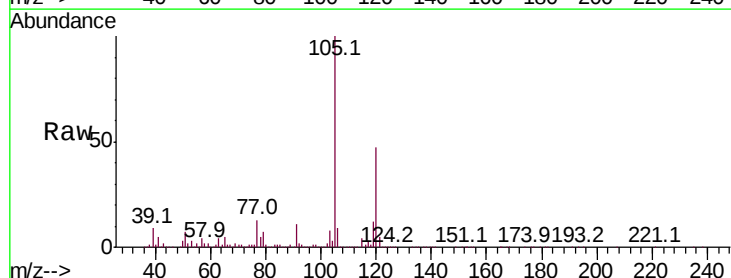
Acq: 02 Sep 2019 20:02

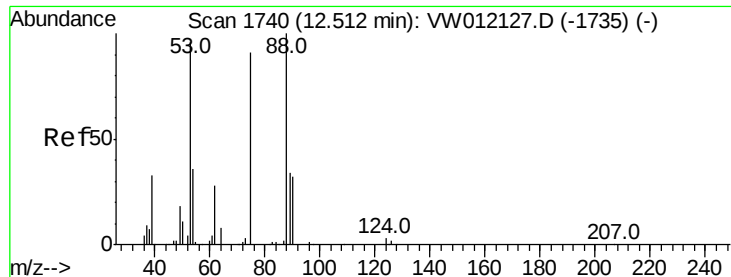
Tgt Ion:105 Resp: 476764

Ion Ratio Lower Upper

105 100

120 47.8 24.0 72.0





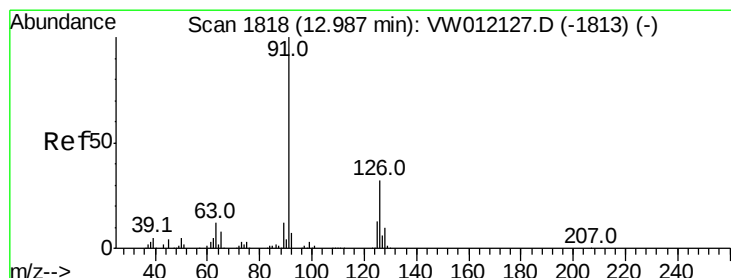
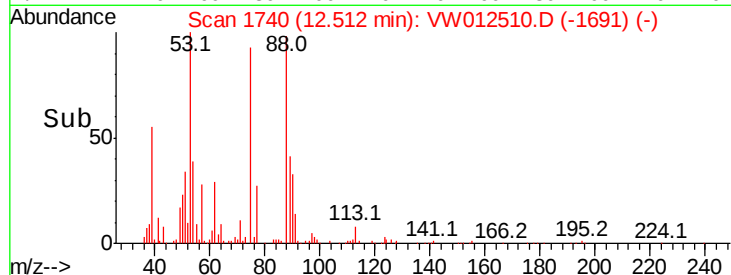
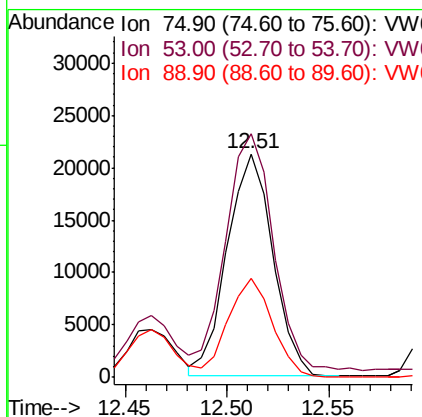
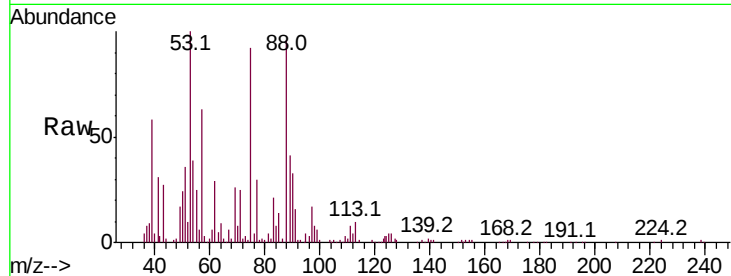
#81
trans-1,4-Dichloro-2-butene
Concen: 54.279 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.7	89.4	134.0
89	43.1	34.5	51.7

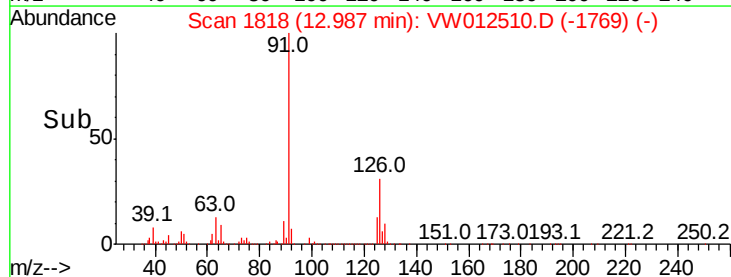
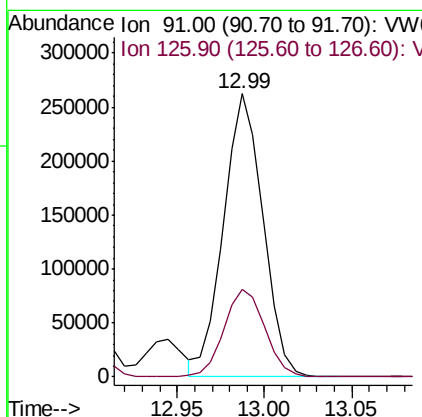
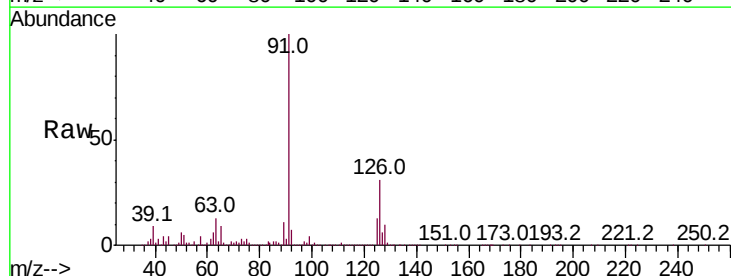
Manual Integrations
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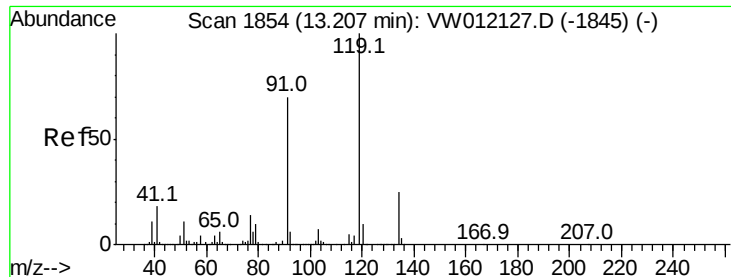
MMDadoda
9/3/2019 10:55:43 AM



#82
4-Chlorotoluene
Concen: 54.863 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.6	46.8





#83

tert-Butylbenzene

Concen: 57.261 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

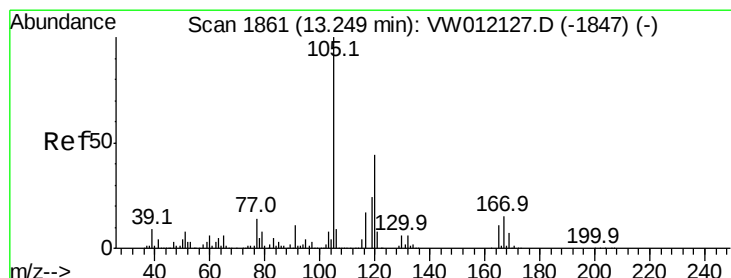
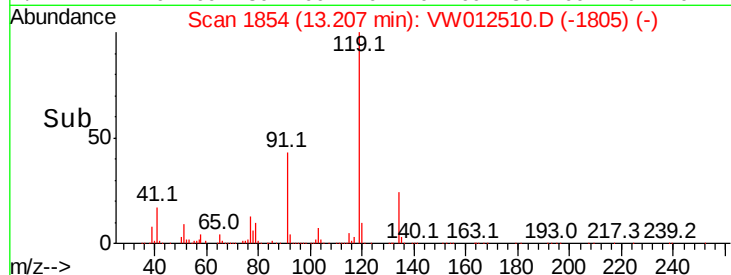
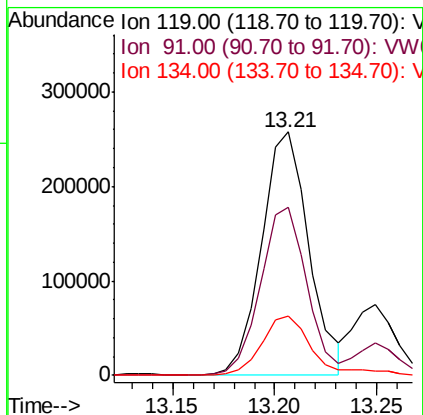
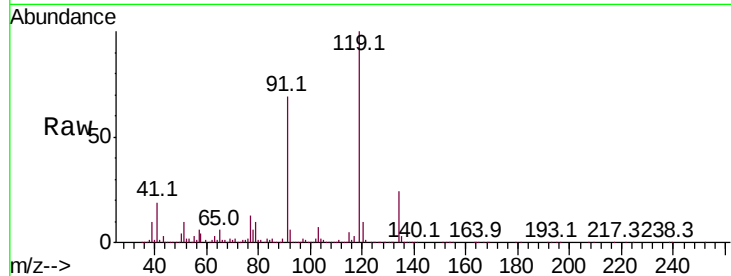
ClientSampled :

VSTDCCC050EC

Tot Ion:	119	Resp:	414498
Ion Ratio	Lower	Upper	
119	100		
91	67.5	34.8	104.3
134	26.2	13.3	39.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 55.909 ug/l

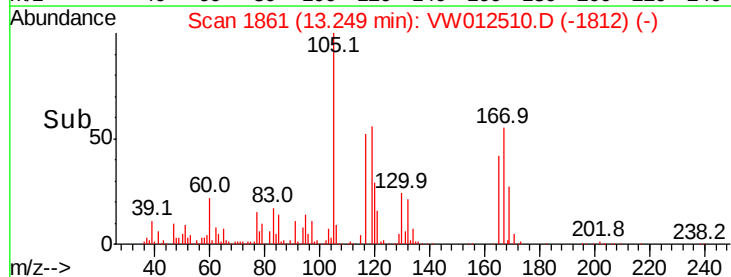
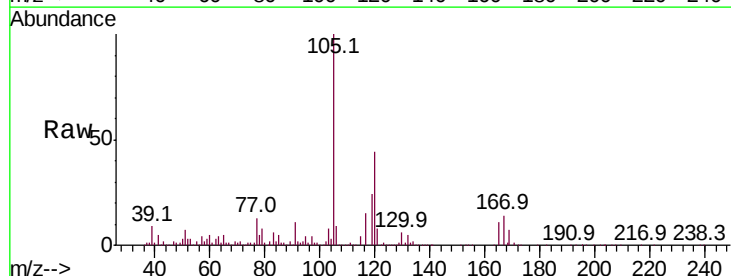
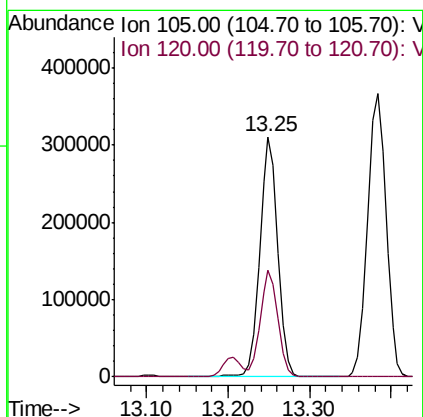
RT: 13.25 min Scan# 1861

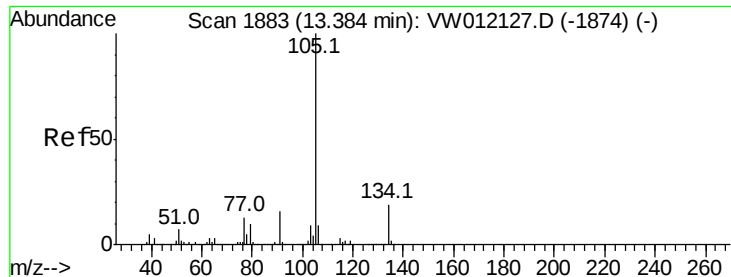
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	105	Resp:	479939
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.9	65.7





#85

sec-Butylbenzene

Concen: 54.942 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 569795

Ion Ratio Lower Upper

105 100

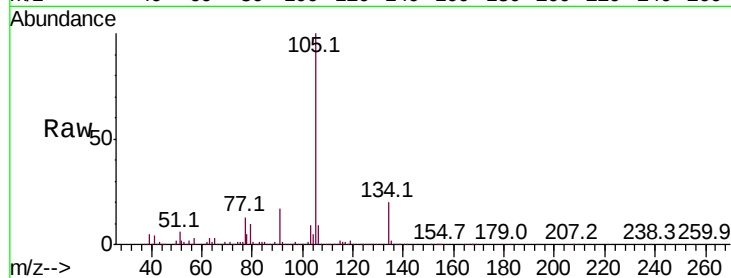
134 19.4 9.8 29.4

Manual Integrations

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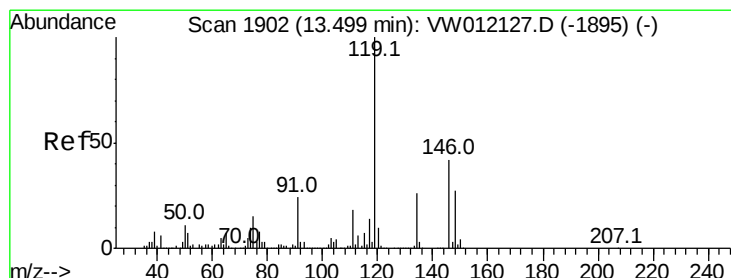
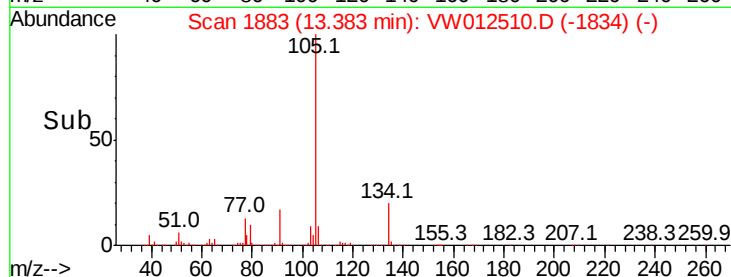
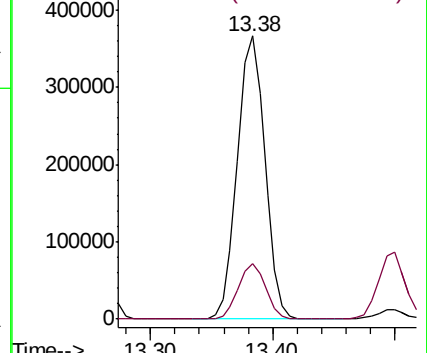
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.055 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

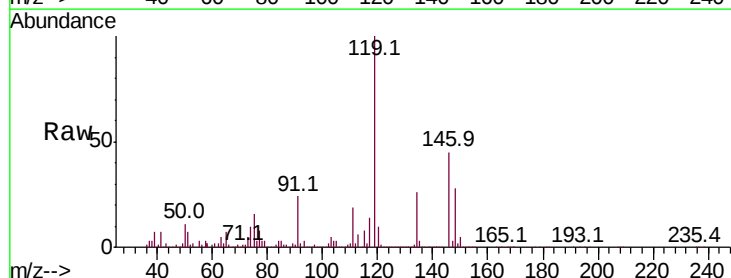
Tgt Ion:119 Resp: 519167

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

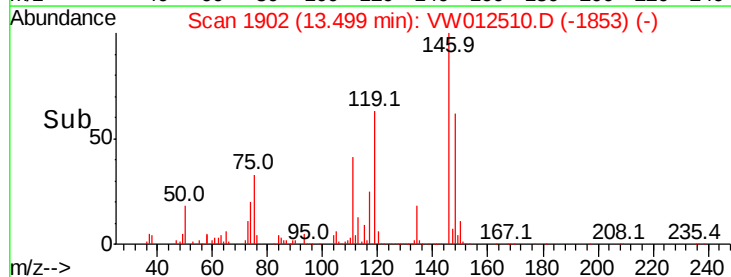
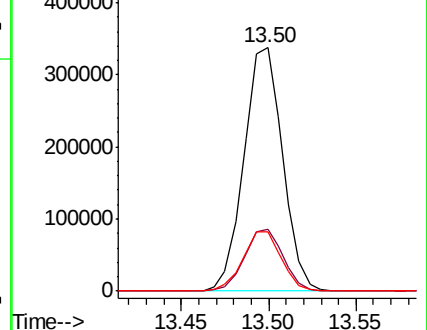
91 24.3 12.3 36.9

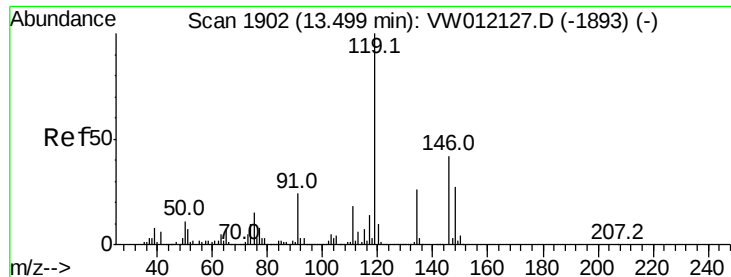


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.422 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

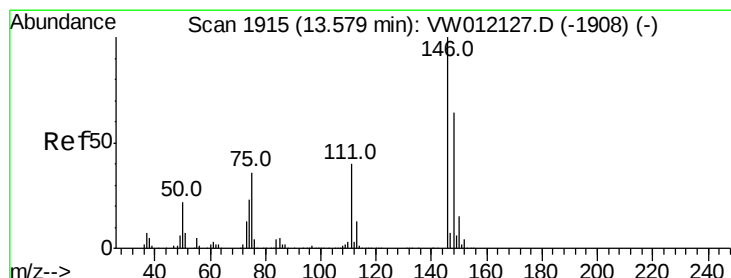
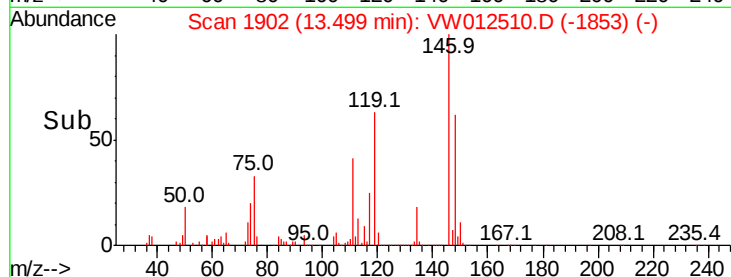
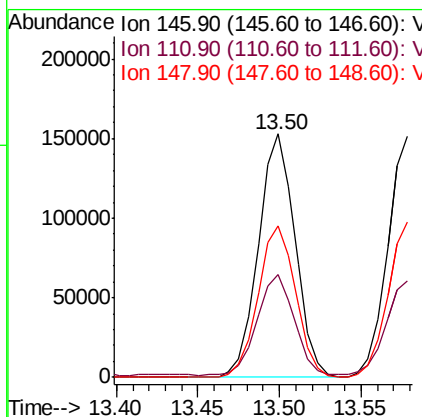
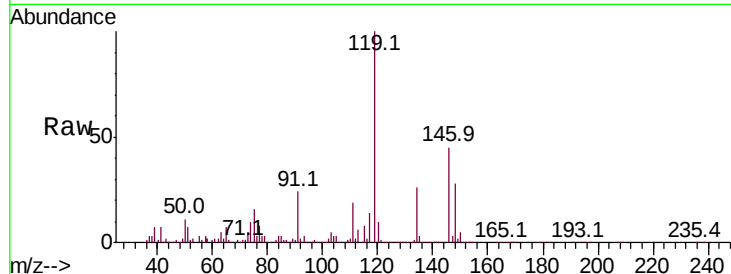
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	239838		
111	41.3	20.9	62.7	
148	63.5	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.965 ug/l

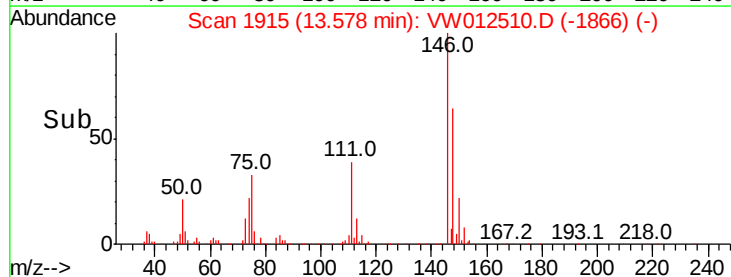
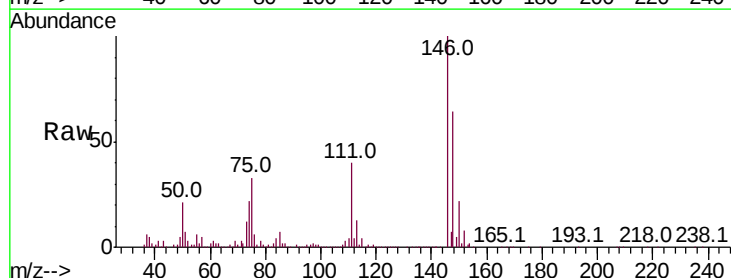
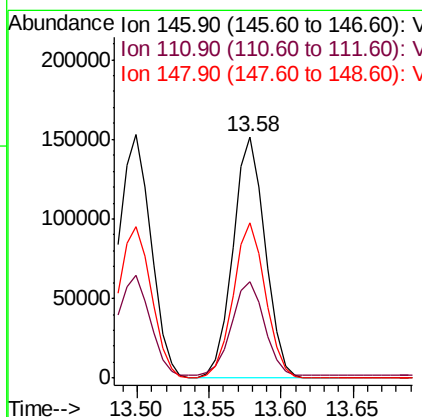
RT: 13.58 min Scan# 1915

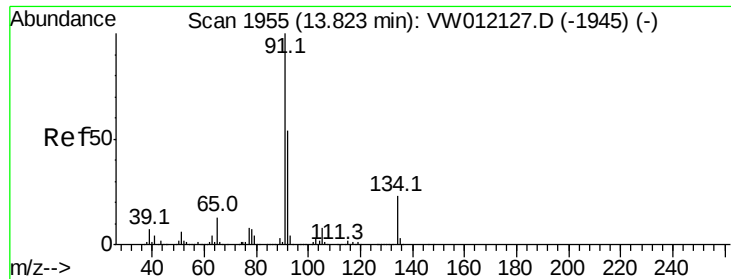
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236181		
111	39.9	20.0	60.0	
148	64.6	32.1	96.3	





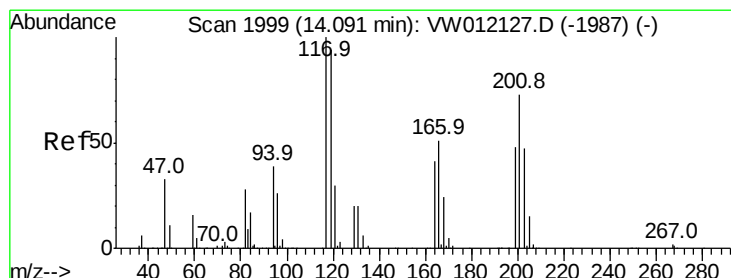
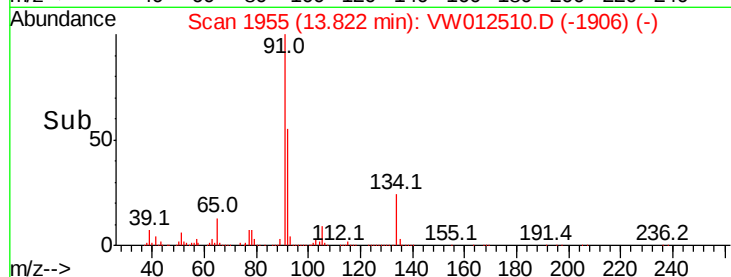
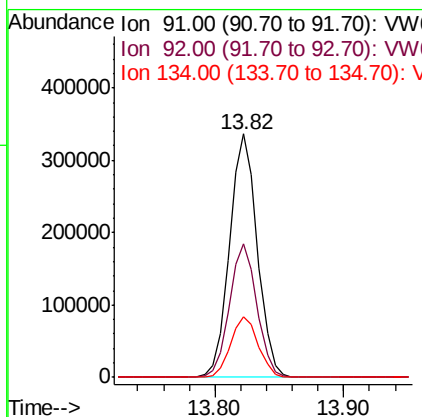
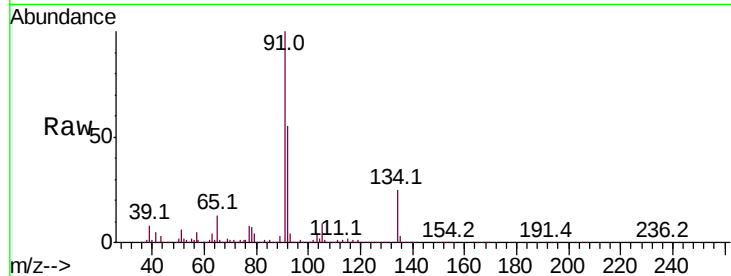
#89
n-Butylbenzene
Concen: 54.484 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.6	27.1	81.2	
134	25.1	12.2	36.4	

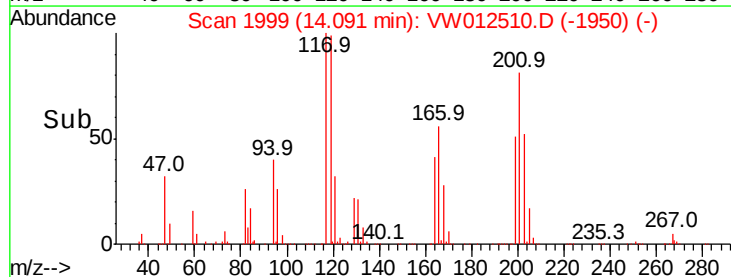
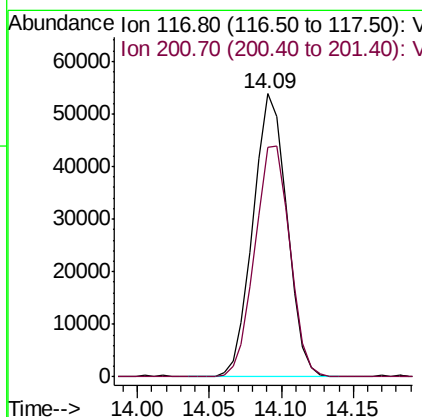
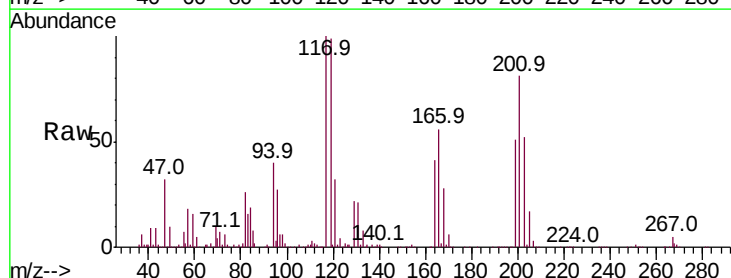
Manual Integrations
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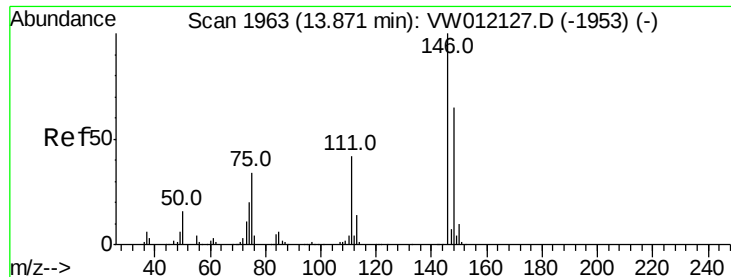
MMDadoda
9/3/2019 10:55:43 AM



#90
Hexachloroethane
Concen: 54.075 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.2	38.6	115.7	





#91

1,2-Dichlorobenzene

Concen: 56.309 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Instrument :

MSVOA_W

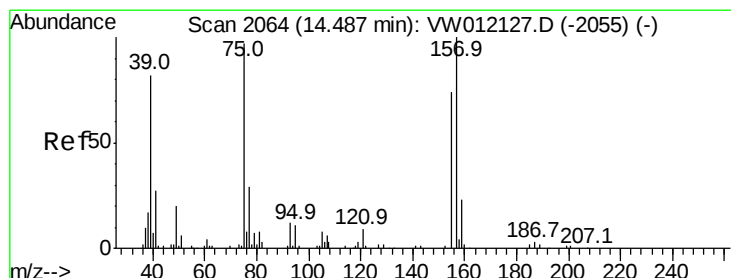
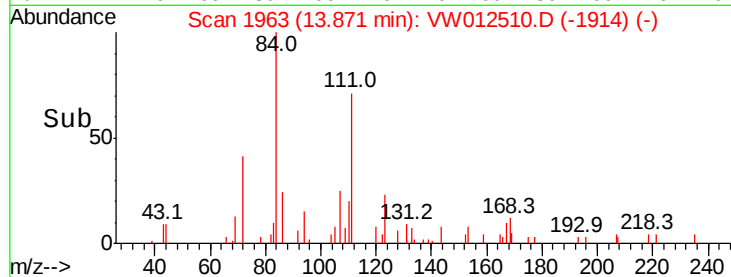
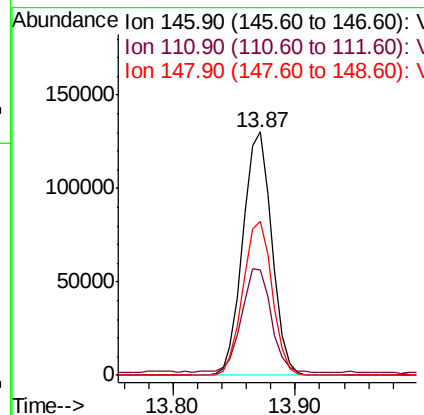
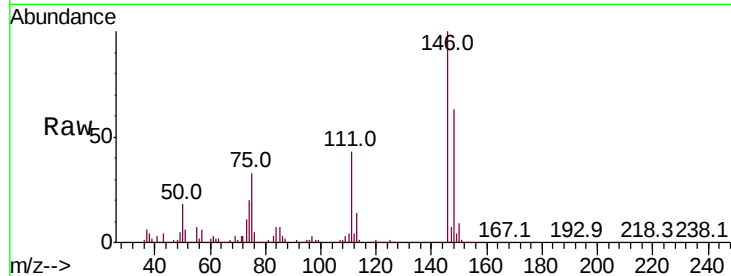
ClientSampled :

VSTDCCC050EC

Tot Ion:	146	Resp:	213768
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.2	63.6
148	63.9	32.5	97.4

Manual Integrations
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9/3/2019 10:55:43 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.531 ug/l

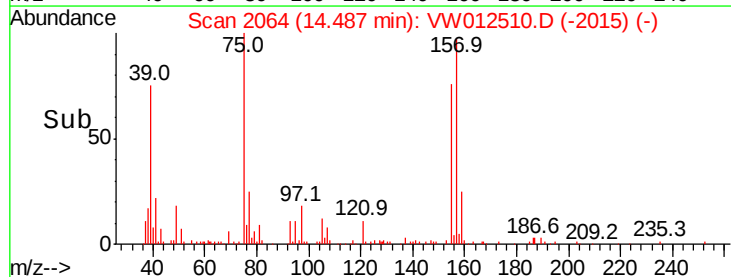
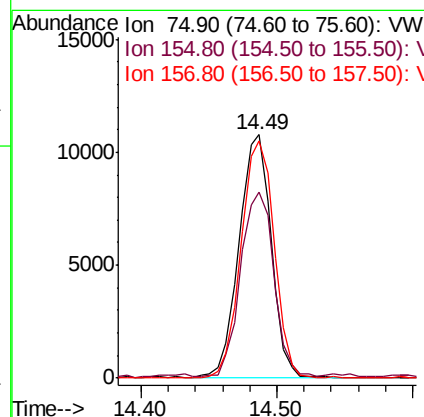
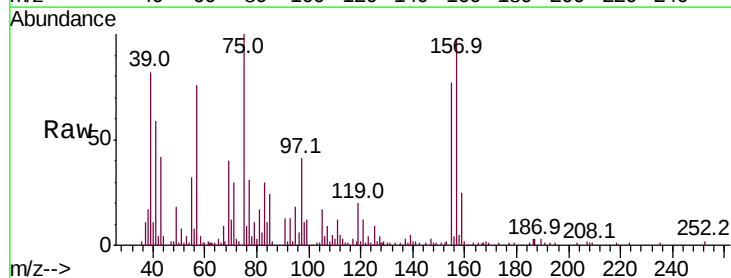
RT: 14.49 min Scan# 2064

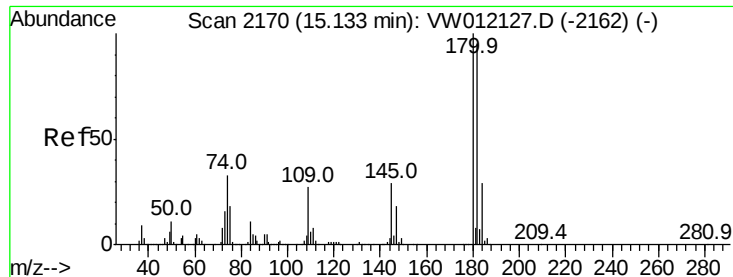
Delta R.T. -0.00 min

Lab File: VW012510.D

Acq: 02 Sep 2019 20:02

Tgt Ion:	75	Resp:	17868
Ion Ratio	Lower	Upper	
75	100		
155	78.5	37.5	112.3
157	100.0	50.5	151.5





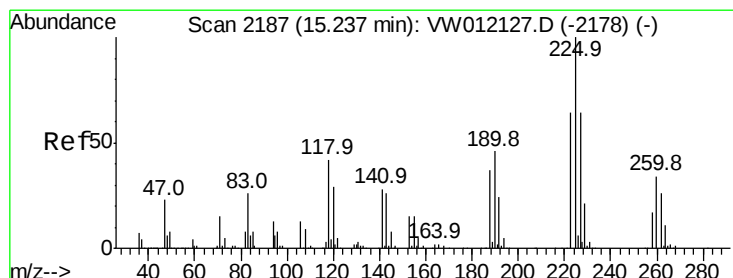
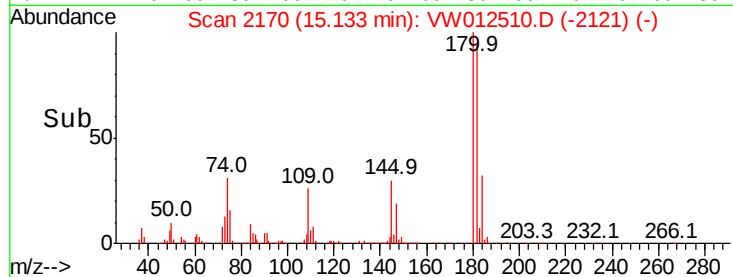
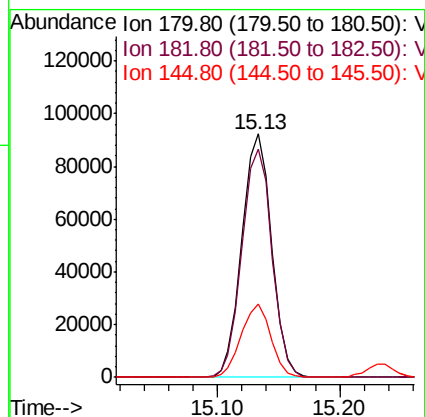
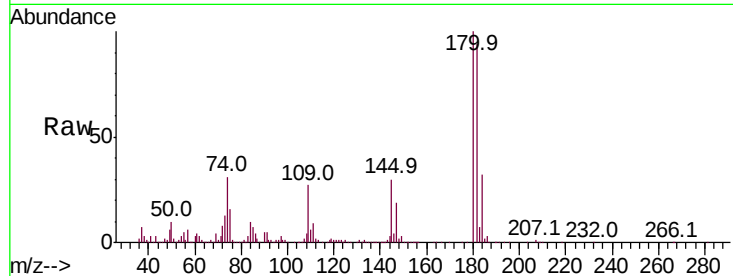
#93
1,2,4-Trichlorobenzene
Concen: 59.296 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.8	143.4	
145	30.2	15.0	45.1	

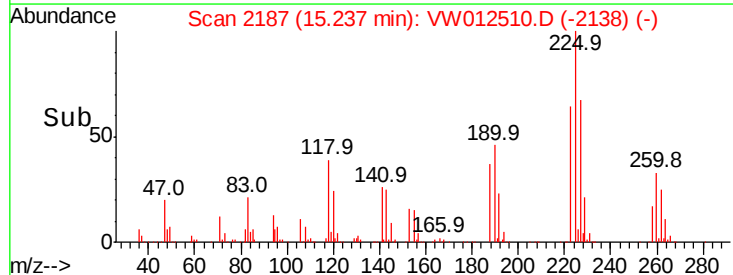
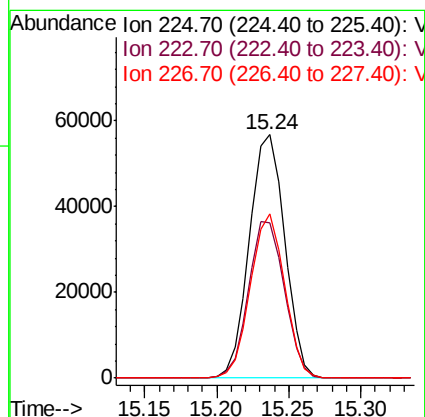
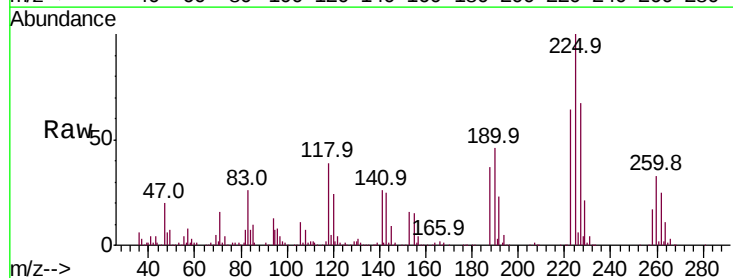
Manual Integrations
APPROVED

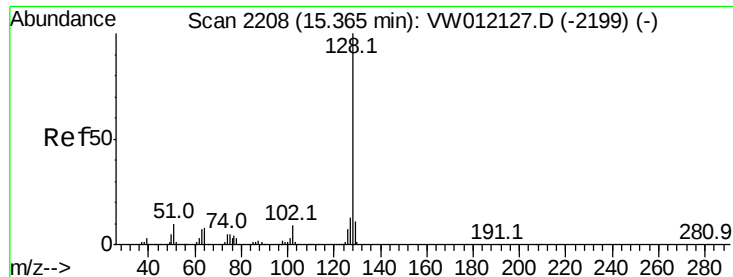
MMDadoda
9/3/2019 10:55:43 AM



#94
Hexachlorobutadiene
Concen: 55.823 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.3	32.3	96.8	
227	65.0	32.9	98.6	





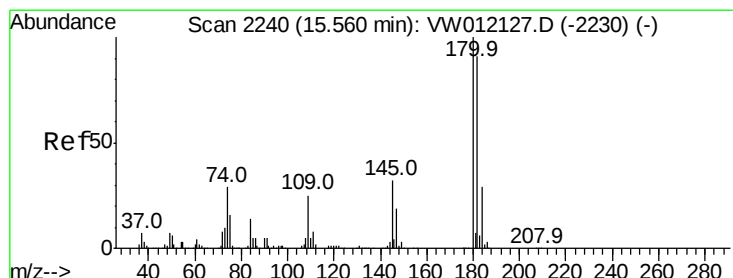
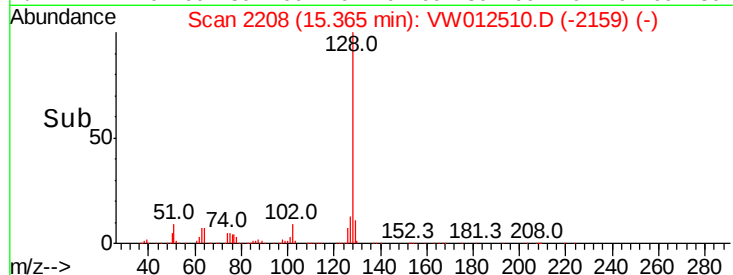
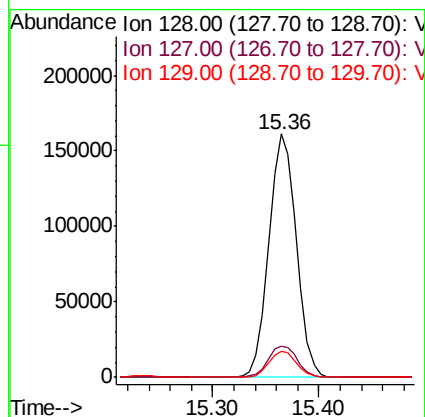
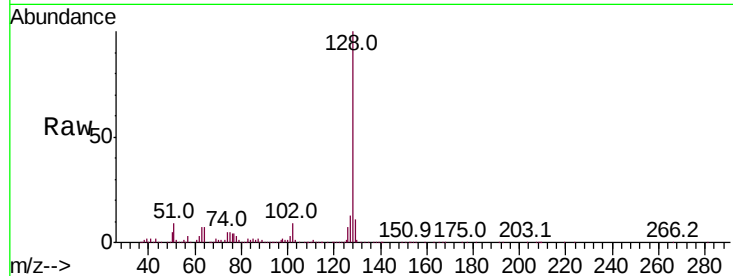
#95
Naphthalene
Concen: 55.873 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	290498		
127	13.7		10.7	16.1
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:55:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 59.491 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012510.D
Acq: 02 Sep 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136171		
182	95.5		47.1	141.3
145	31.8		16.2	48.5

