

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012954.D
 Acq On : 13 Sep 2019 14:58
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:38 AM

Quant Time: Sep 13 17:17:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	47782	18.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.34%	
35) Dibromofluoromethane	7.88	113	41726	19.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.10%	
50) Toluene-d8	10.32	98	157331	18.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.70%	
62) 4-Bromofluorobenzene	12.62	95	58800	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28728	24.248	ug/l	95
3) Chloromethane	2.21	50	32196	21.249	ug/l	98
4) Vinyl Chloride	2.36	62	42517	21.435	ug/l	99
5) Bromomethane	2.77	94	25173	20.782	ug/l	96
6) Chloroethane	2.92	64	25951	21.332	ug/l	98
7) Trichlorofluoromethane	3.25	101	27310	19.689	ug/l	93
8) Diethyl Ether	3.68	74	20559	18.982	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40749	19.370	ug/l	97
10) Methyl Iodide	4.27	142	54790	20.810	ug/l	99
11) Tert butyl alcohol	5.17	59	18281m	91.132	ug/l	
12) 1,1-Dichloroethene	4.04	96	38425	20.088	ug/l	96
13) Acrolein	3.89	56	19035	101.390	ug/l	98
14) Allyl chloride	4.67	41	71331	19.643	ug/l	100
15) Acrylonitrile	5.37	53	51891	93.806	ug/l	98
16) Acetone	4.13	43	52100	85.692	ug/l	95
17) Carbon Disulfide	4.38	76	81449	21.367	ug/l	99
18) Methyl Acetate	4.67	43	26271	18.017	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	72689	19.251	ug/l	96
20) Methylene Chloride	4.91	84	46518	19.337	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	39804	19.429	ug/l	100
22) Diisopropyl ether	6.31	45	146179	19.377	ug/l	98
23) Vinyl Acetate	6.25	43	422700	93.551	ug/l	97
24) 1,1-Dichloroethane	6.21	63	84357	19.394	ug/l	97
25) 2-Butanone	7.17	43	75204	92.408	ug/l	99
26) 2,2-Dichloropropane	7.17	77	58379	18.928	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	47817	19.495	ug/l	99
28) Bromochloromethane	7.51	49	33498	18.297	ug/l	100
29) Tetrahydrofuran	7.52	42	43010	92.753	ug/l	98
30) Chloroform	7.68	83	85243	19.288	ug/l	97
31) Cyclohexane	7.95	56	72592	19.588	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	70692	19.423	ug/l	97
36) 1,1-Dichloropropene	8.08	75	63584	19.709	ug/l	99
37) Ethyl Acetate	7.25	43	31719	18.523	ug/l	99
38) Carbon Tetrachloride	8.07	117	64974	19.653	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71689	20.279	ug/l	98
40) Benzene	8.32	78	177293	19.686	ug/l	98
41) Methacrylonitrile	7.48	41	21277	18.868	ug/l	92
42) 1,2-Dichloroethane	8.40	62	57282	18.973	ug/l	99
43) Isopropyl Acetate	8.42	43	58347	17.746	ug/l	99
44) Trichloroethene	9.09	130	47852	19.398	ug/l	87
45) 1,2-Dichloropropane	9.37	63	45714	19.105	ug/l	99
46) Dibromomethane	9.46	93	21710	18.938	ug/l	97
47) Bromodichloromethane	9.64	83	59958	18.646	ug/l	100
48) Methyl methacrylate	9.43	41	28015	18.156	ug/l	99
49) 1,4-Dioxane	9.46	88	7254	377.629	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	154041	90.749	ug/l	100
52) Toluene	10.38	92	111216	19.433	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	59636	18.440	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	69452	18.769	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33217	19.020	ug/l	93
56) Ethyl methacrylate	10.65	69	42502	18.080	ug/l	98
57) 1,3-Dichloropropane	10.93	76	58321	18.825	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	122104	96.831	ug/l	99
59) 2-Hexanone	10.97	43	105499	89.259	ug/l	99
60) Dibromochloromethane	11.12	129	38704	18.331	ug/l	95
61) 1,2-Dibromoethane	11.23	107	30541	19.170	ug/l	100
64) Tetrachloroethene	10.86	164	39629	19.383	ug/l	99
65) Chlorobenzene	11.65	112	116697	19.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43684	18.622	ug/l	97
67) Ethyl Benzene	11.73	91	217524	19.240	ug/l	99
68) m/p-Xylenes	11.84	106	161284	39.051	ug/l	99
69) o-Xylene	12.16	106	74815	19.322	ug/l	99
70) Styrene	12.18	104	133076	19.320	ug/l	99
71) Bromoform	12.35	173	22696	18.419	ug/l #	97
73) Isopropylbenzene	12.46	105	222631	19.201	ug/l	100
74) N-amyl acetate	12.27	43	54418	18.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37071	18.203	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	24540m	16.626	ug/l	
77) Bromobenzene	12.74	156	49854	18.664	ug/l	98
78) n-propylbenzene	12.80	91	258134	18.926	ug/l	100
79) 2-Chlorotoluene	12.89	91	148687	18.964	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	189741	19.343	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12088	17.896	ug/l	96
82) 4-Chlorotoluene	12.99	91	153497	18.555	ug/l	98
83) tert-Butylbenzene	13.21	119	166346	18.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	187458	19.339	ug/l	100
85) sec-Butylbenzene	13.38	105	226095	18.914	ug/l	99
86) p-Isopropyltoluene	13.50	119	209521	19.090	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98957	18.714	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96868	18.642	ug/l	98
89) n-Butylbenzene	13.82	91	196333	18.968	ug/l	100
90) Hexachloroethane	14.09	117	36207	18.409	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	87163	18.744	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6693	17.955	ug/l	94

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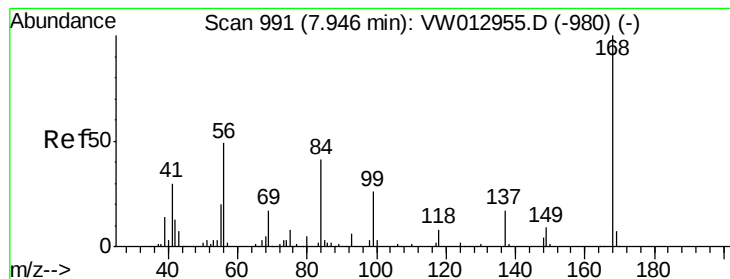
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61649	18.590	ug/l	99
94) Hexachlorobutadiene	15.23	225	45251	19.275	ug/l	98
95) Naphthalene	15.36	128	98117	17.707	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54773	18.684	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 277120

Ion Ratio Lower Upper

168 100

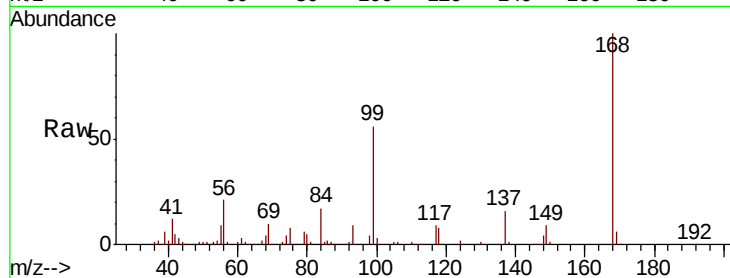
99 56.2 46.2 69.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

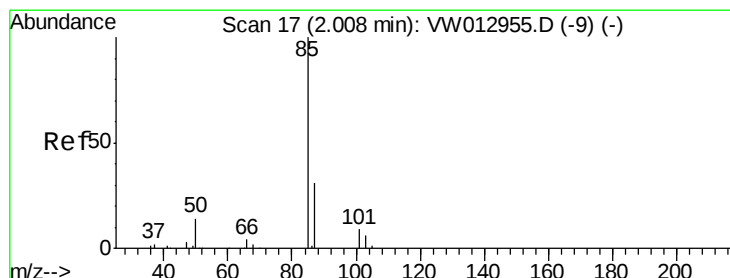
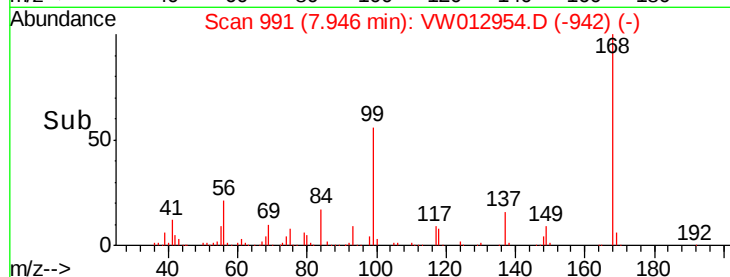
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.248 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012954.D

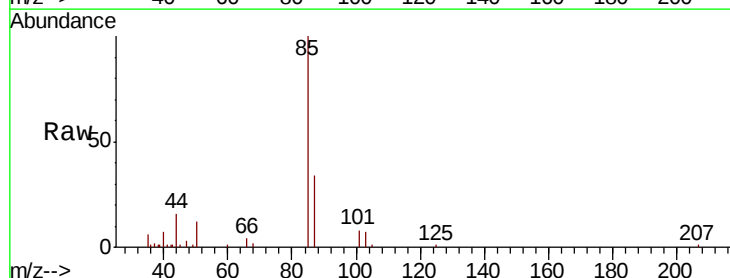
Acq: 13 Sep 2019 14:58

Tgt Ion: 85 Resp: 28728

Ion Ratio Lower Upper

85 100

87 33.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

2.01

8000

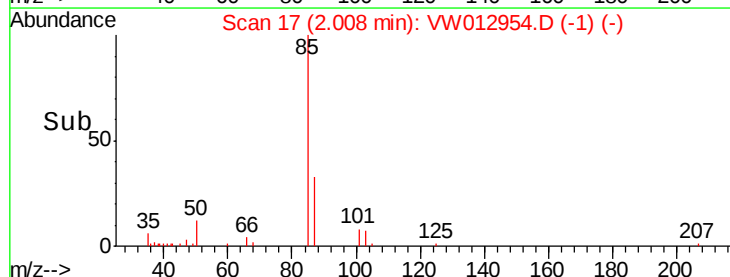
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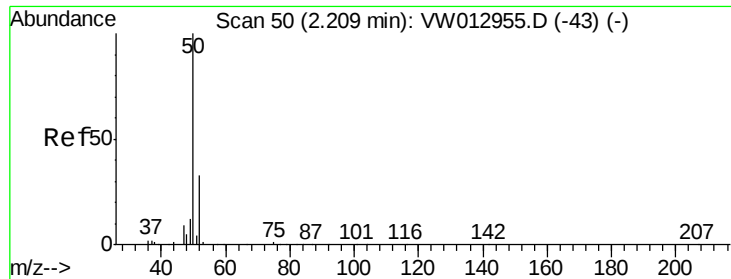
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.249 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 32196

Ion Ratio Lower Upper

50 100

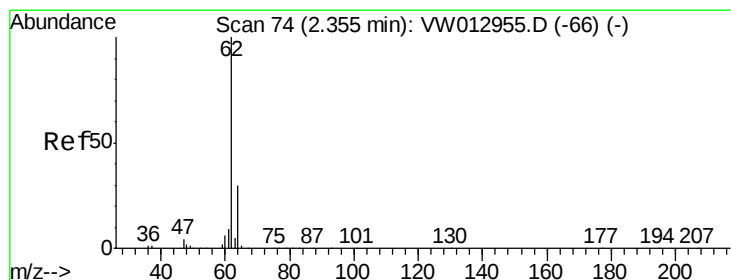
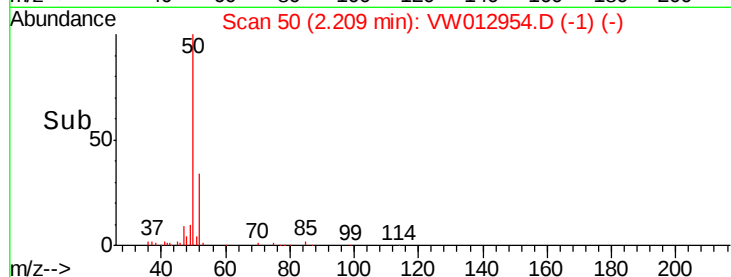
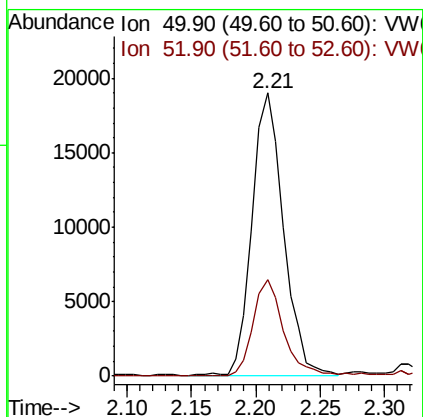
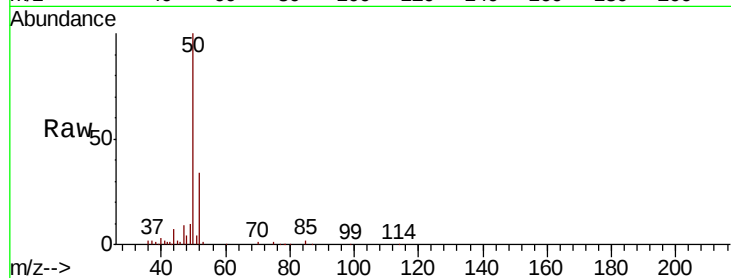
52 34.2 26.6 39.8

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#4

Vinyl Chloride

Concen: 21.435 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012954.D

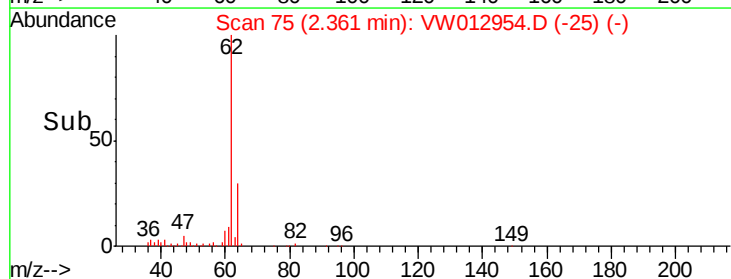
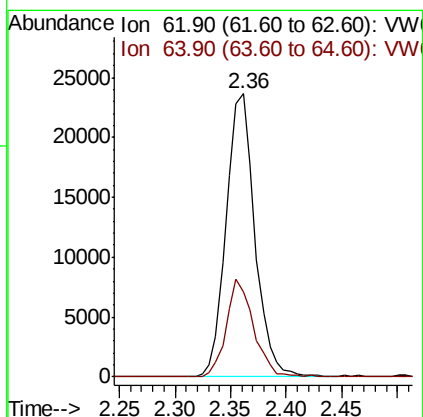
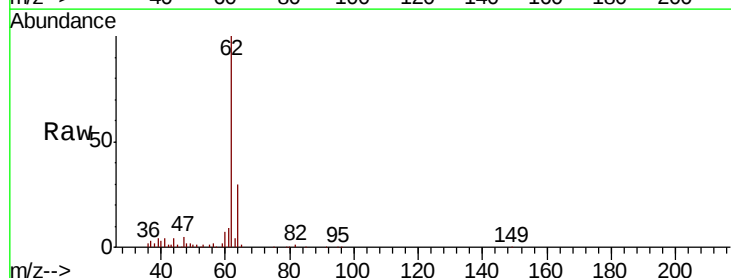
Acq: 13 Sep 2019 14:58

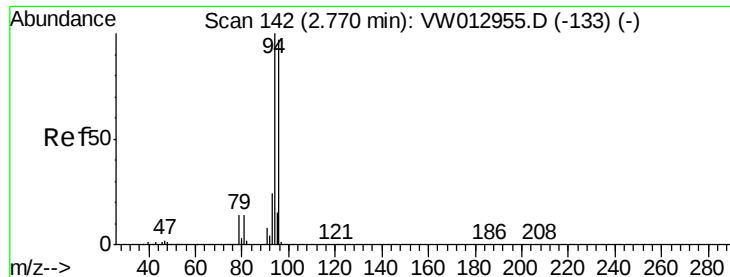
Tgt Ion: 62 Resp: 42517

Ion Ratio Lower Upper

62 100

64 30.0 24.2 36.4





#5

Bromomethane

Concen: 20.782 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tgt Ion: 94 Resp: 25173

Ion Ratio Lower Upper

94 100

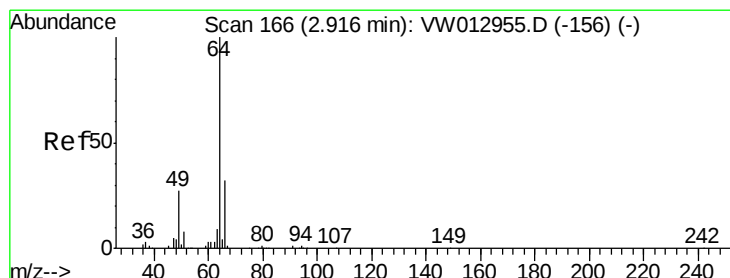
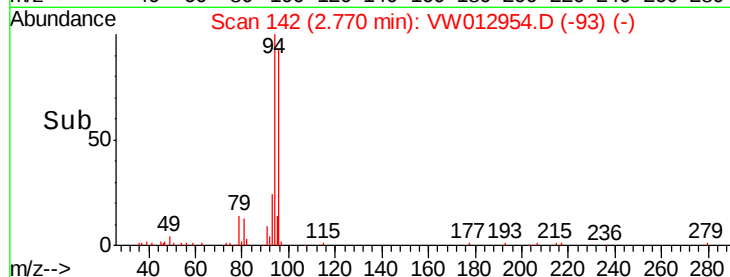
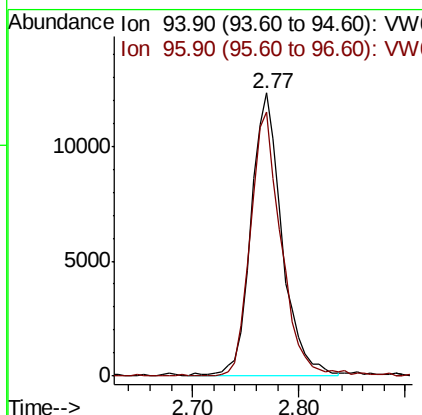
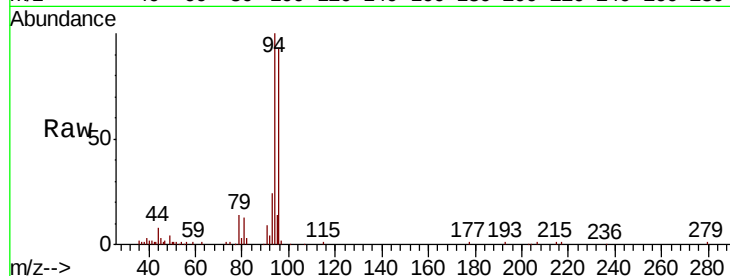
96 93.4 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 21.332 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012954.D

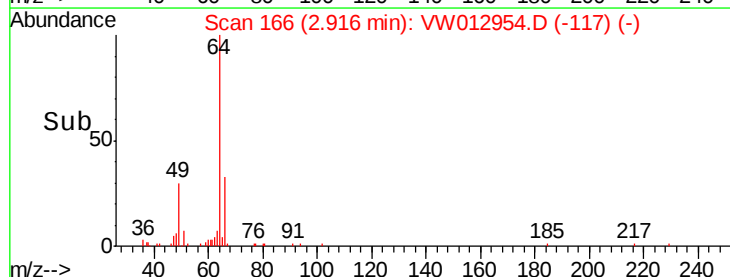
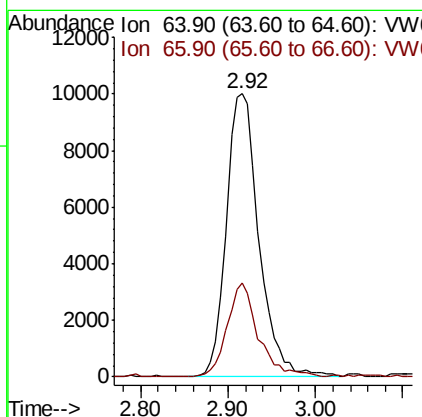
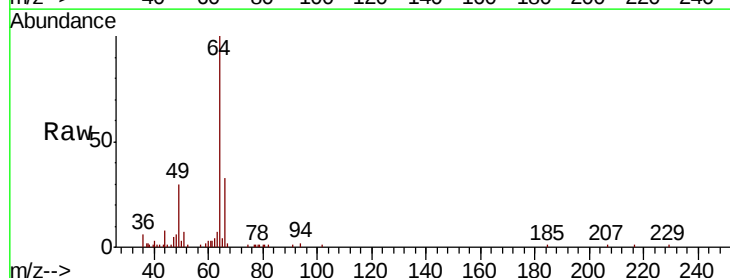
Acq: 13 Sep 2019 14:58

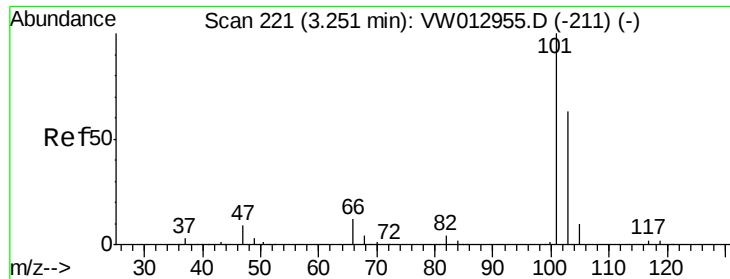
Tgt Ion: 64 Resp: 25951

Ion Ratio Lower Upper

64 100

66 33.3 25.9 38.9





#7

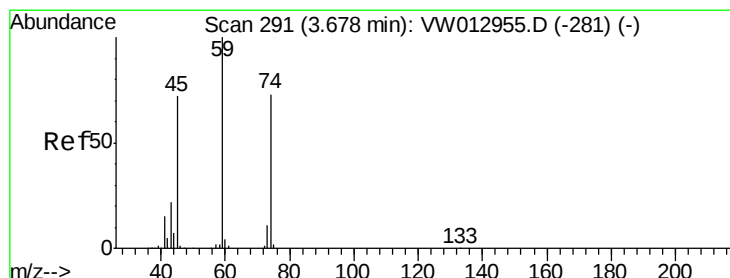
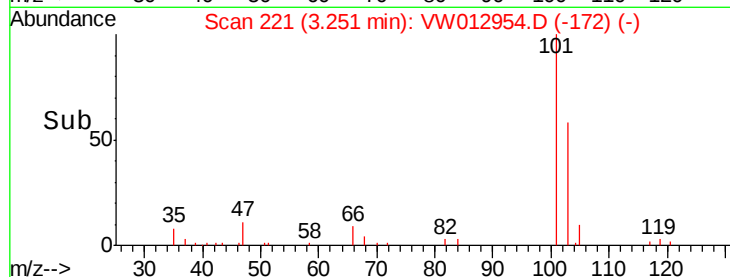
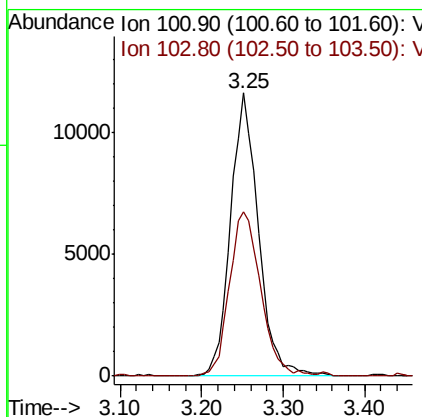
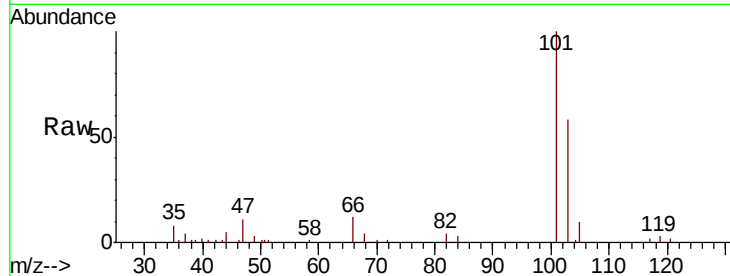
Trichlorofluoromethane
 Concen: 19.689 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

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Tgt Ion: 101 Resp: 27310
 Ion Ratio Lower Upper
 101 100
 103 58.0 50.7 76.1

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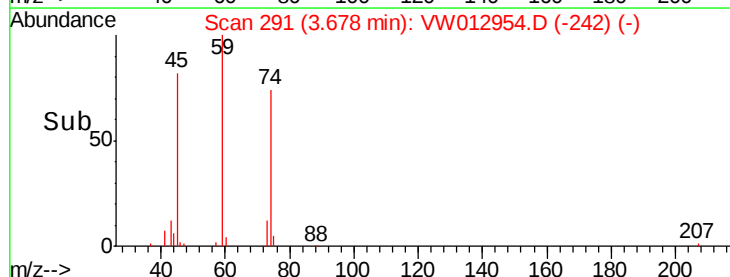
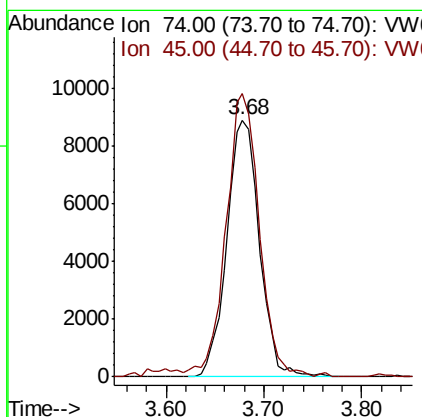
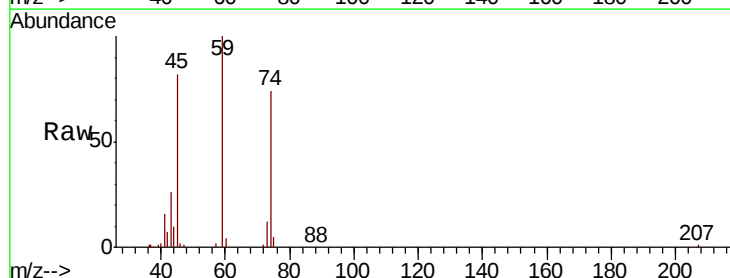
MMDadoda
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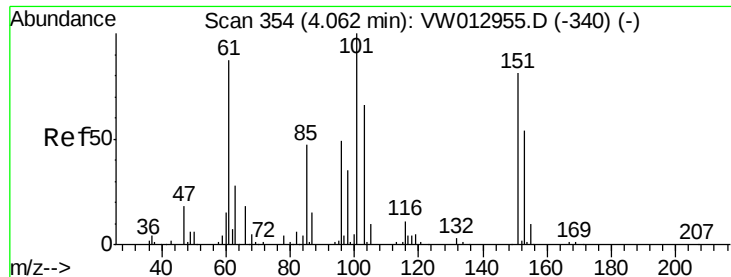


#8

Diethyl Ether
 Concen: 18.982 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 74 Resp: 20559
 Ion Ratio Lower Upper
 74 100
 45 112.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.370 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

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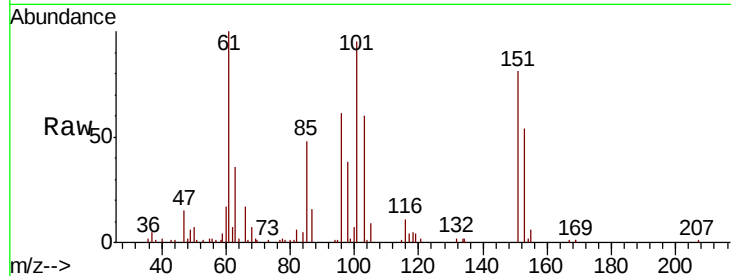
ClientSampleId :

VSTDIC020

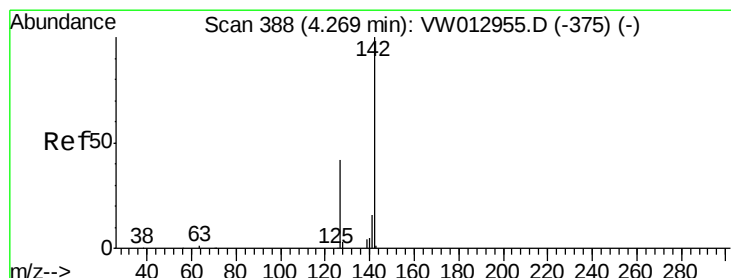
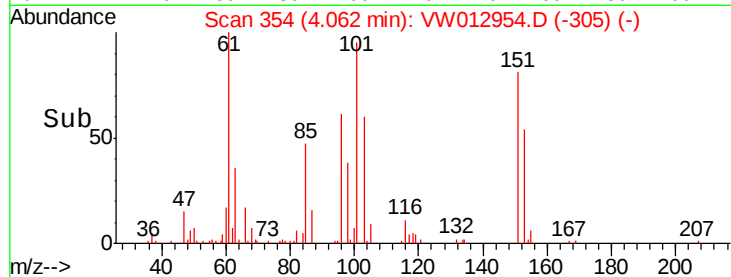
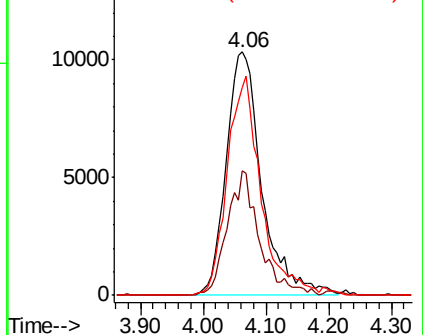
Tgt Ion:	101	Resp:	40749
Ion Ratio	Lower	Upper	
101	100		
85	46.1	34.9	52.3
151	84.5	66.0	99.0

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



#10

Methyl Iodide

Concen: 20.810 ug/l

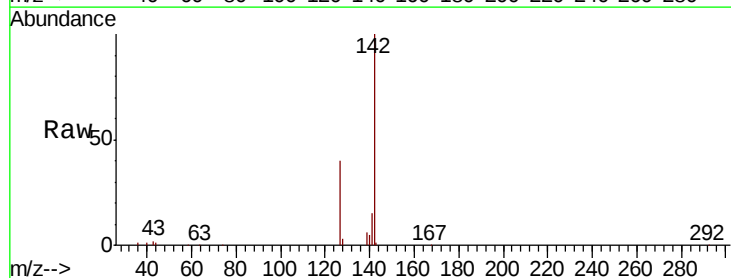
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

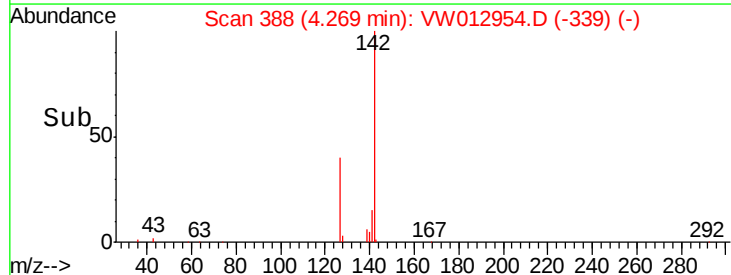
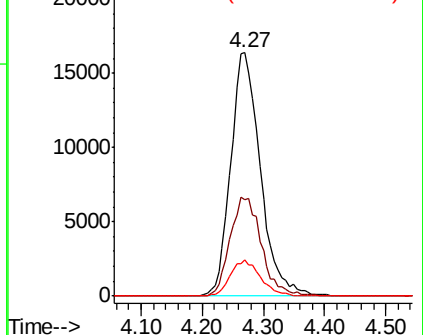
Lab File: VW012954.D

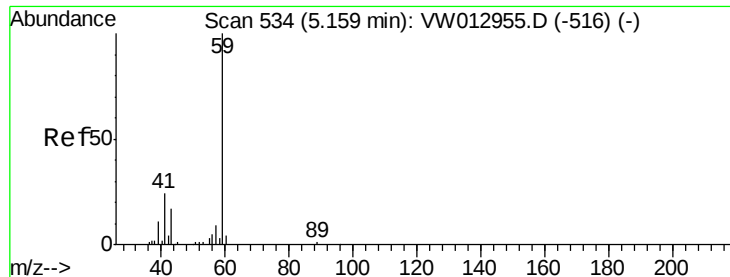
Acq: 13 Sep 2019 14:58

Tgt Ion:	142	Resp:	54790
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.7	52.1
141	15.0	12.2	18.2



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





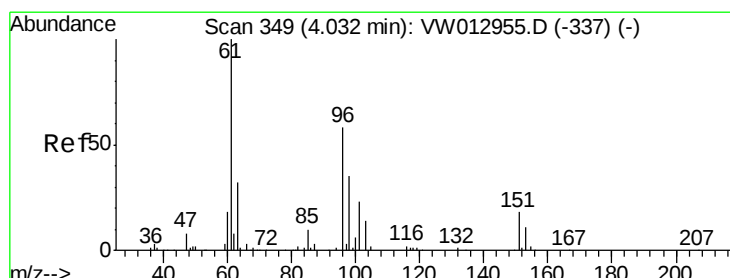
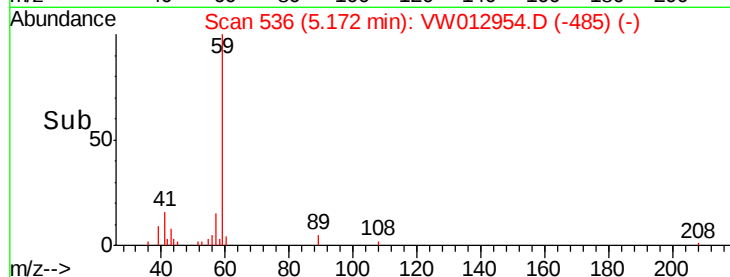
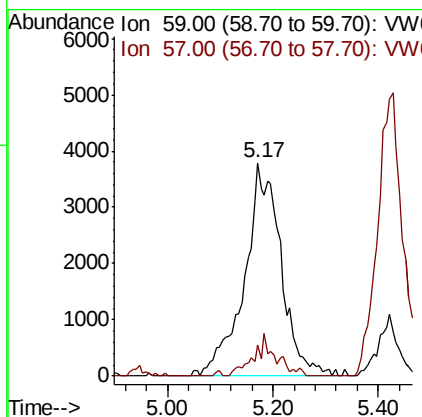
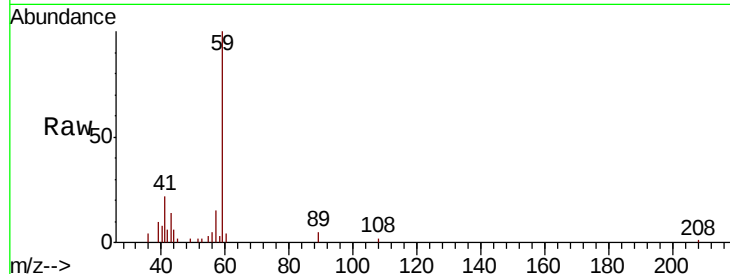
#11
Tert butyl alcohol
Concen: 91.132 ug/l m
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.5	12.7

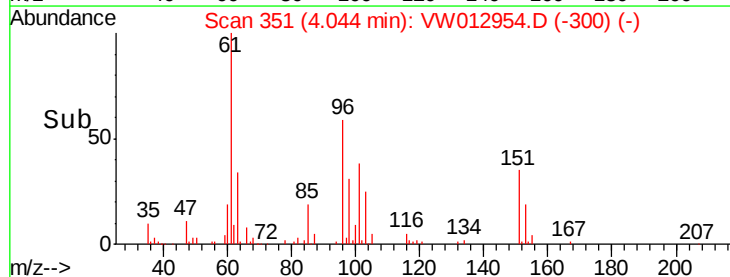
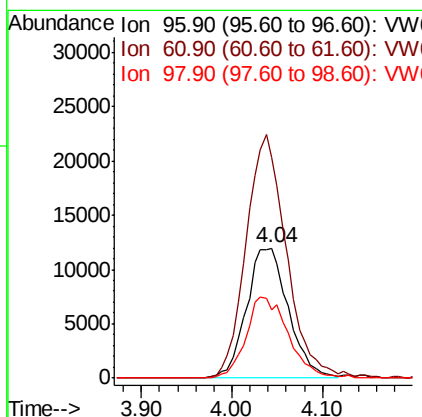
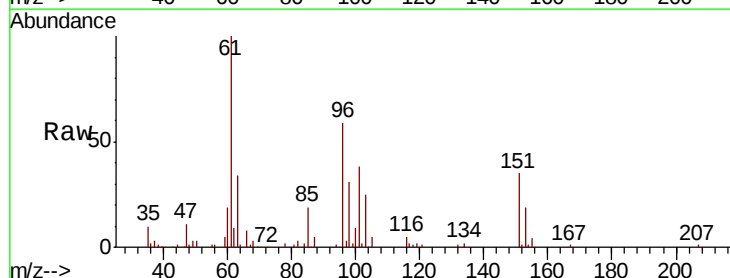
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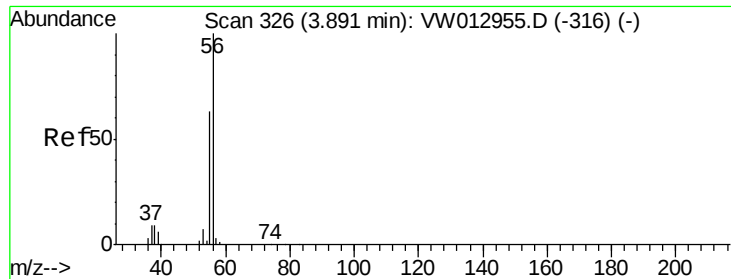
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.088 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.2	137.9	206.9
98	52.6	48.9	73.3





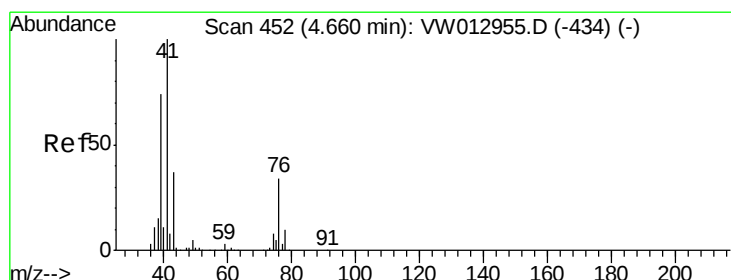
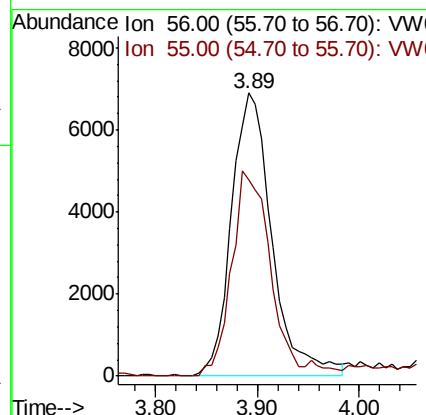
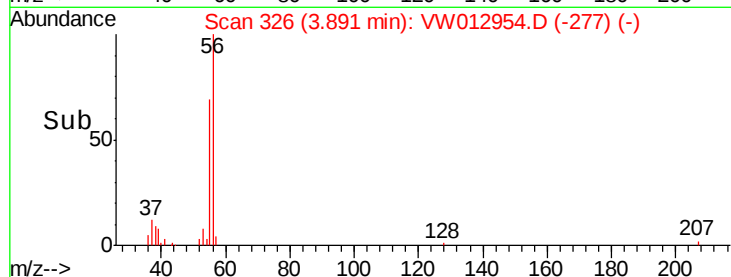
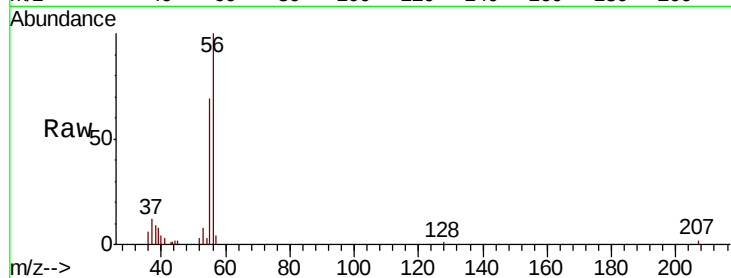
#13
Acrolein
Concen: 101.390 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
55	68.1	55.8	83.8

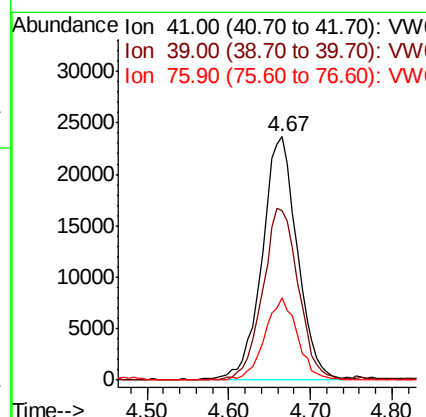
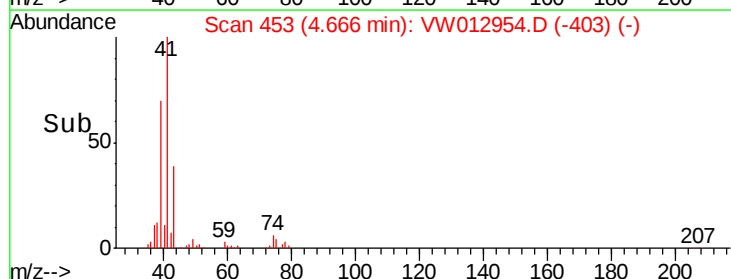
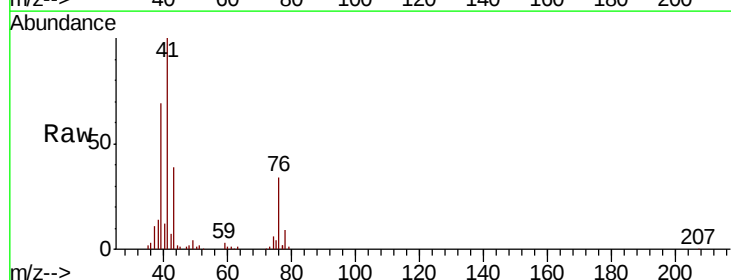
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APPROVED

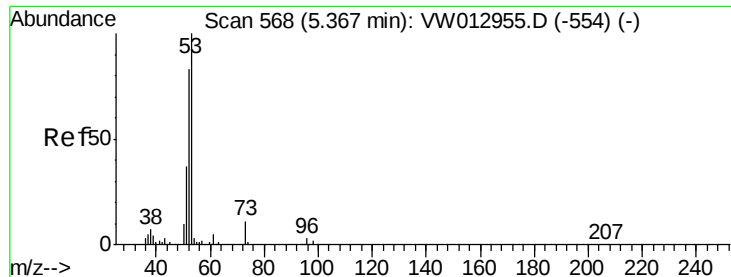
MMDadoda
9/16/2019 12:43:38 AM



#14
Allyl chloride
Concen: 19.643 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.4	56.7	85.1
76	31.3	25.1	37.7





#15

Acrylonitrile

Concen: 93.806 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

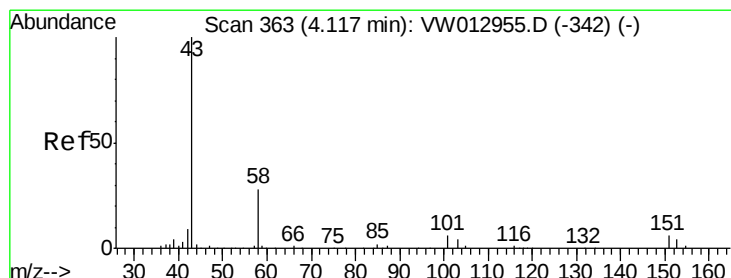
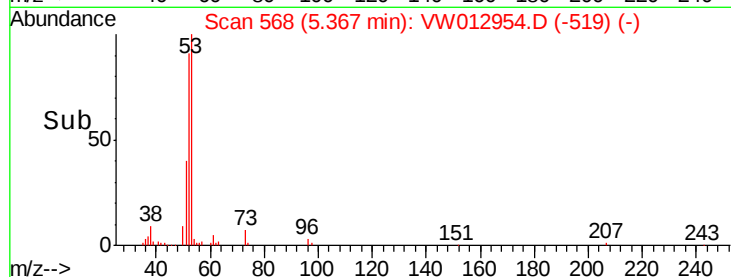
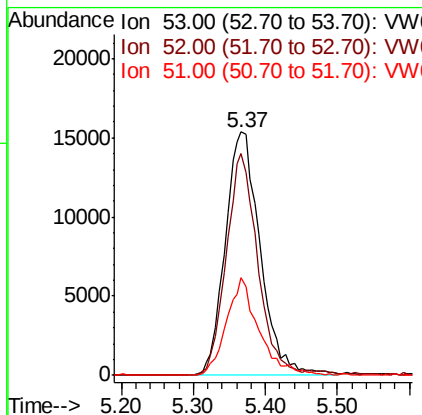
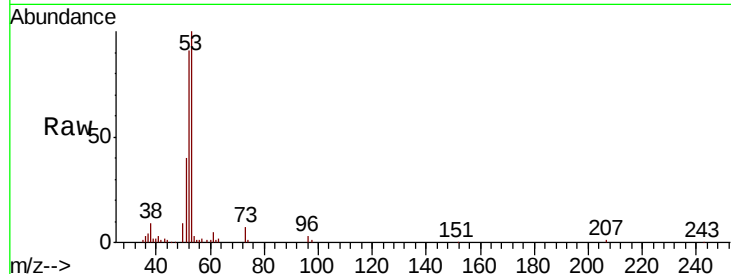
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	51891
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	100.0
51	36.9	29.8	44.8

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#16

Acetone

Concen: 85.692 ug/l

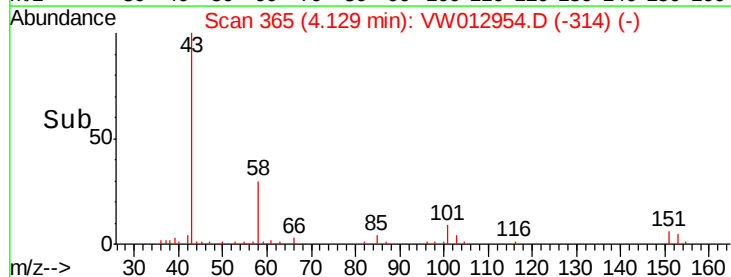
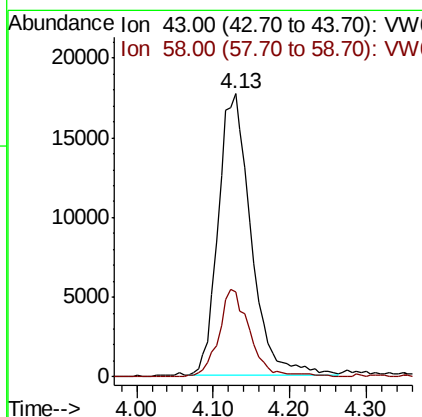
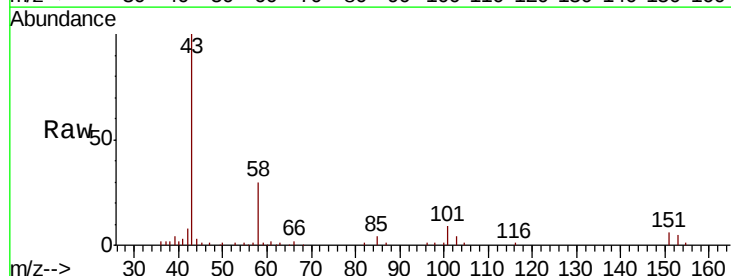
RT: 4.13 min Scan# 365

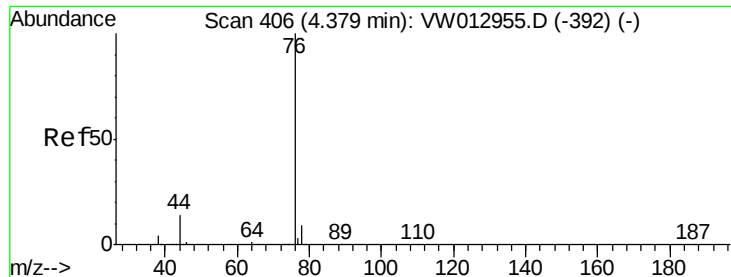
Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	43	Resp:	52100
Ion	Ratio	Lower	Upper
43	100		
58	30.3	22.3	33.5





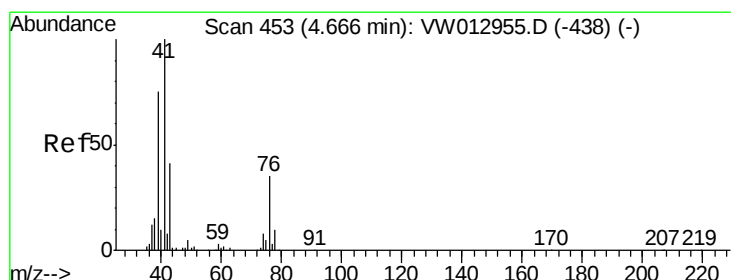
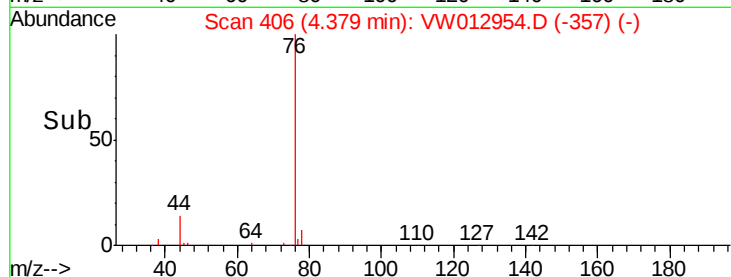
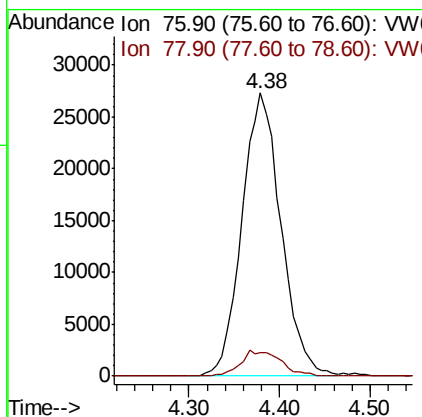
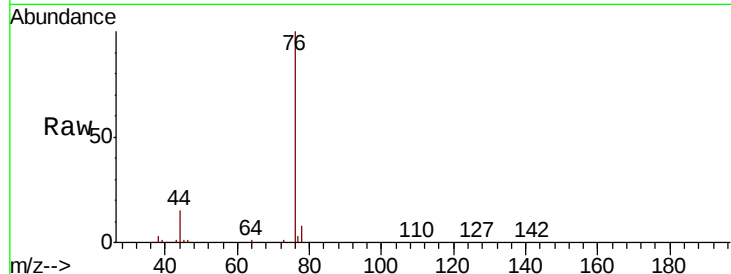
#17
Carbon Disulfide
Concen: 21.367 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 81449
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4

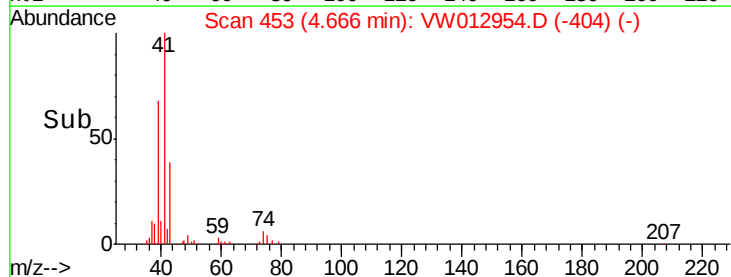
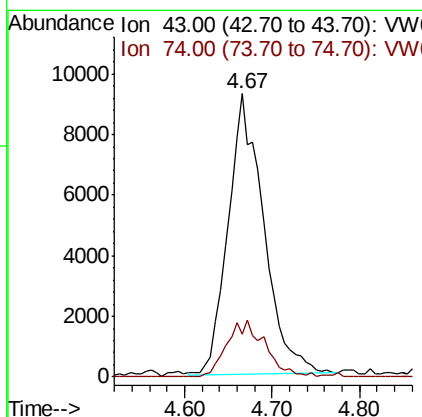
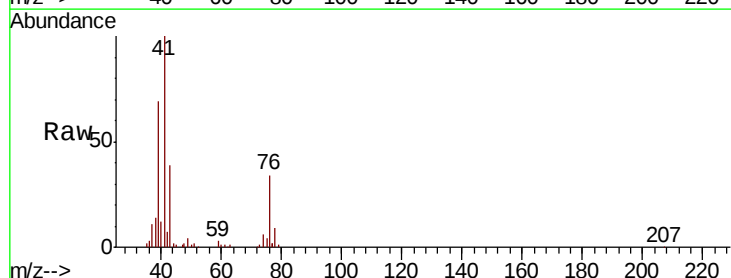
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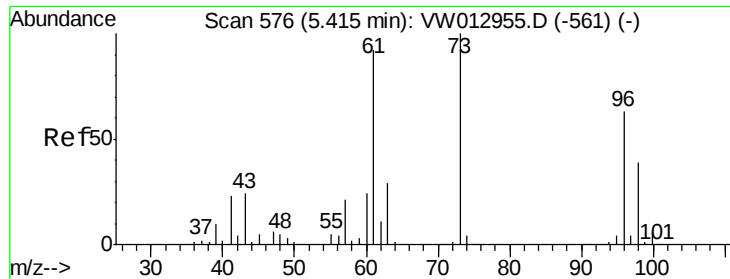
MMDadoda
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#18
Methyl Acetate
Concen: 18.017 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 43 Resp: 26271
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.8





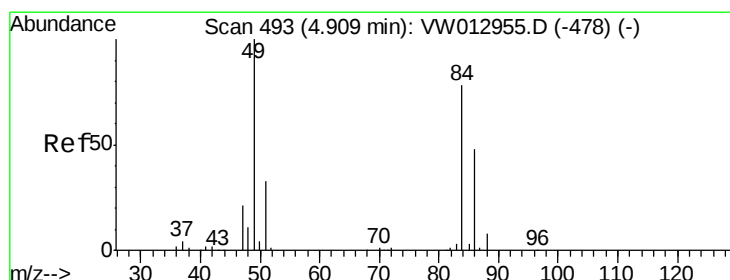
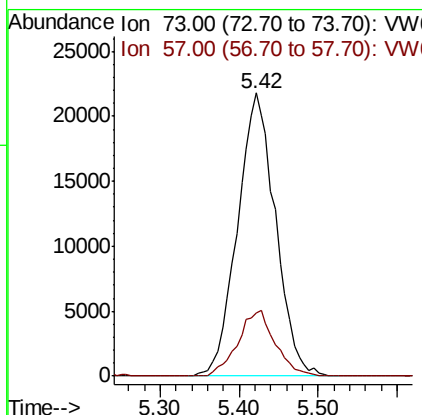
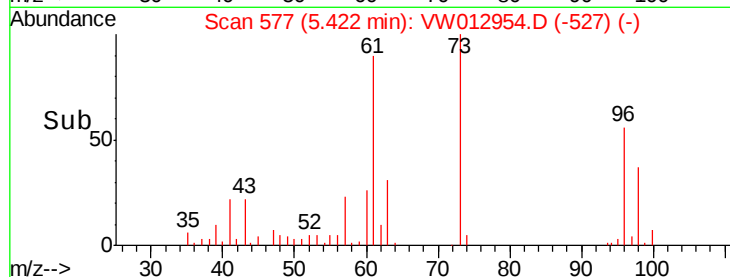
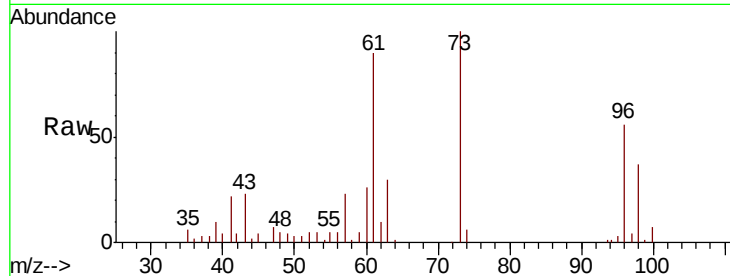
#19
Methyl tert-butyl Ether
Concen: 19.251 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 72689
Ion Ratio Lower Upper
73 100
57 22.5 16.4 24.6

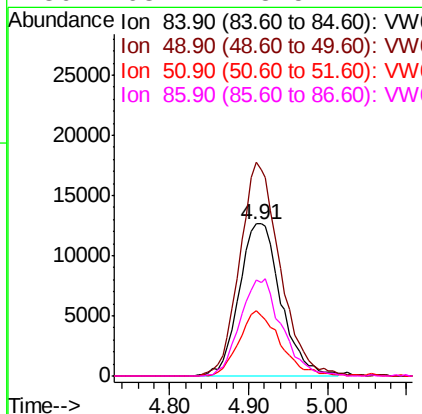
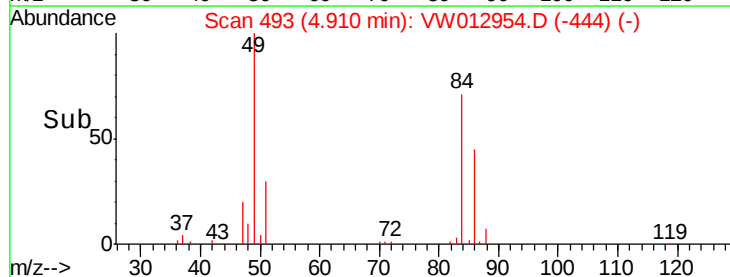
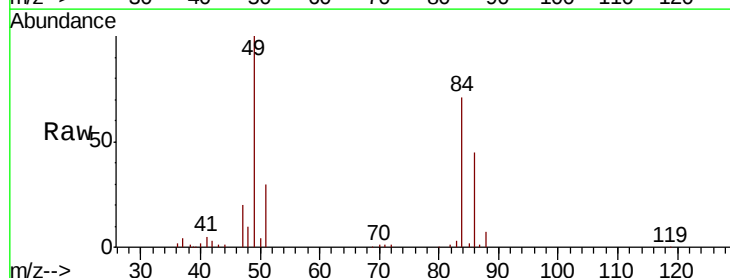
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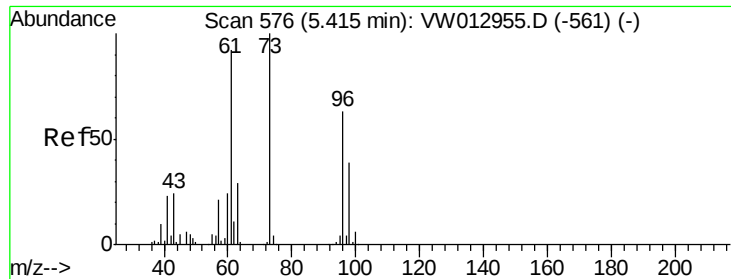
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#20
Methylene Chloride
Concen: 19.337 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 84 Resp: 46518
Ion Ratio Lower Upper
84 100
49 140.3 102.0 153.0
51 42.5 34.0 51.0
86 63.4 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 19.429 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

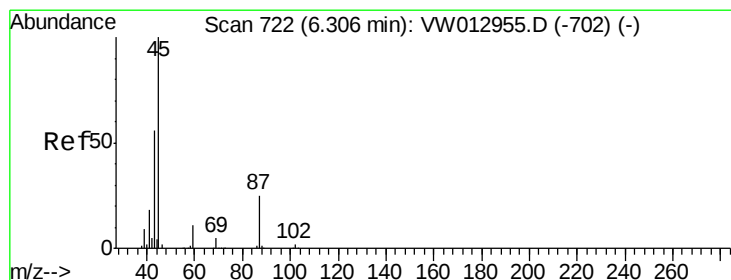
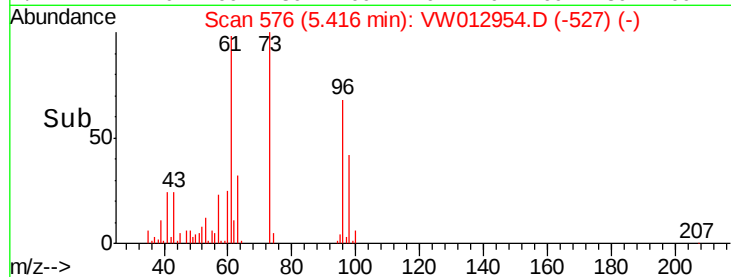
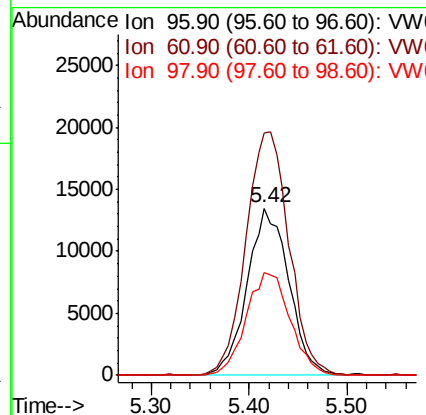
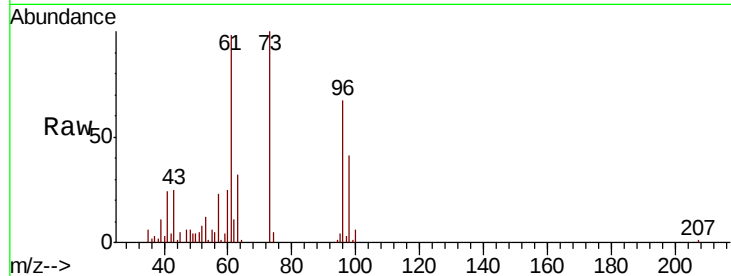
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	39804
Ion	Ratio	Lower	Upper
96	100		
61	145.3	116.2	174.2
98	61.5	49.8	74.6

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#22

Diisopropyl ether

Concen: 19.377 ug/l

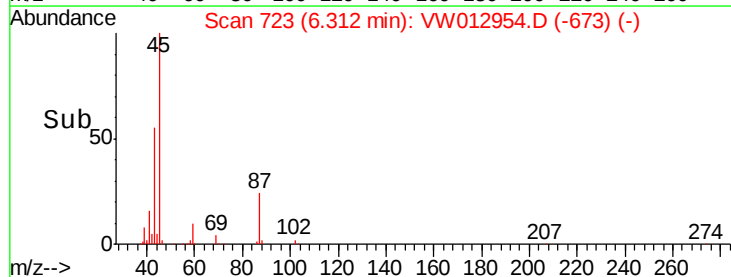
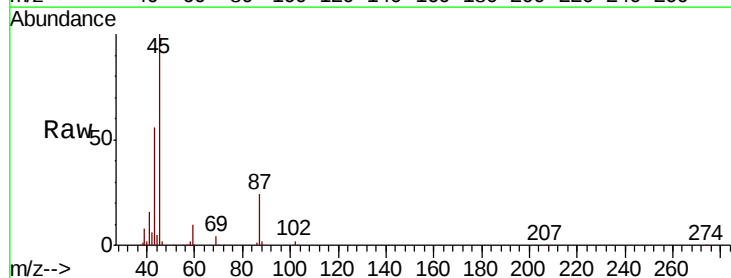
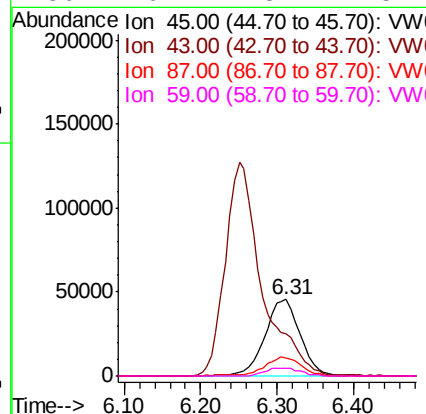
RT: 6.31 min Scan# 723

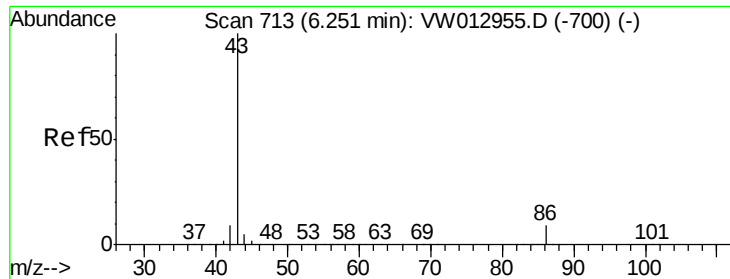
Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	45	Resp:	146179
Ion	Ratio	Lower	Upper
45	100		
43	55.0	44.6	67.0
87	23.7	20.0	30.0
59	10.2	8.7	13.1





#23

Vinyl Acetate

Concen: 93.551 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 422700

Ion Ratio Lower Upper

43 100

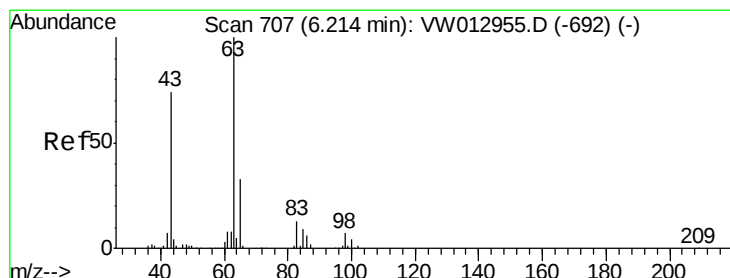
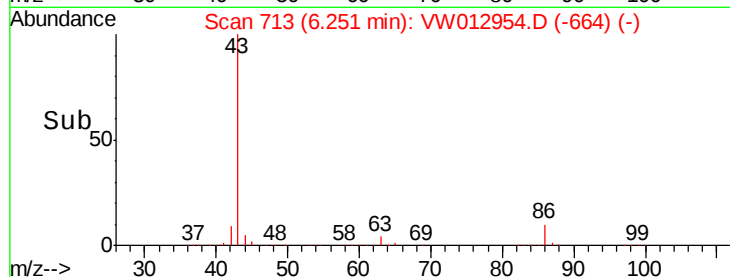
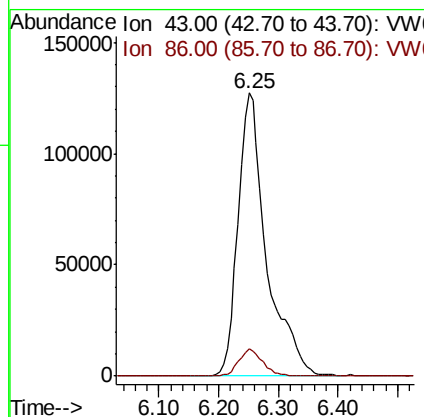
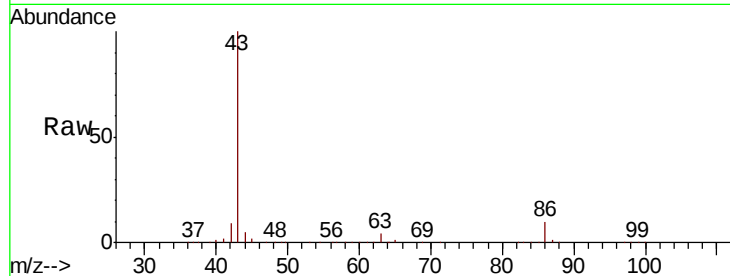
86 9.7 7.0 10.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.394 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

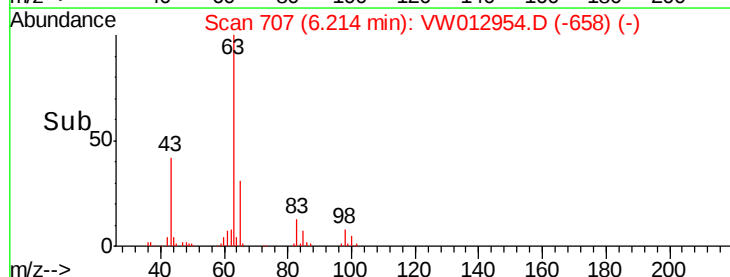
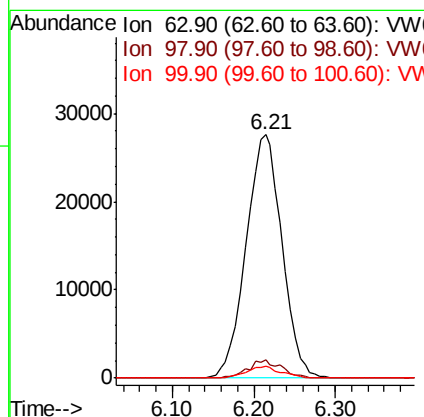
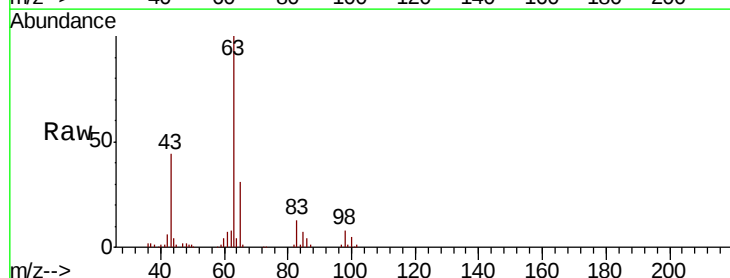
Tgt Ion: 63 Resp: 84357

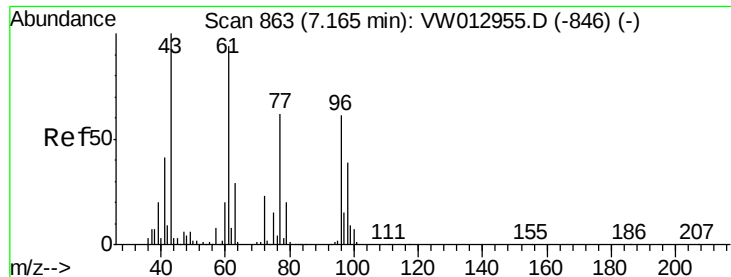
Ion Ratio Lower Upper

63 100

98 7.6 3.3 9.9

100 5.1 1.8 5.5





#25

2-Butanone

Concen: 92.408 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 75204

Ion Ratio Lower Upper

43 100

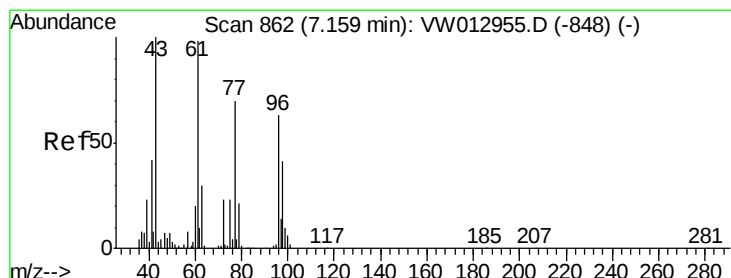
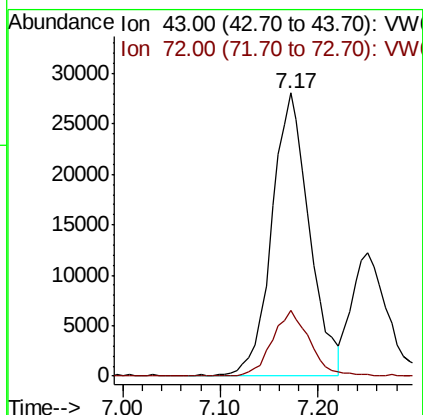
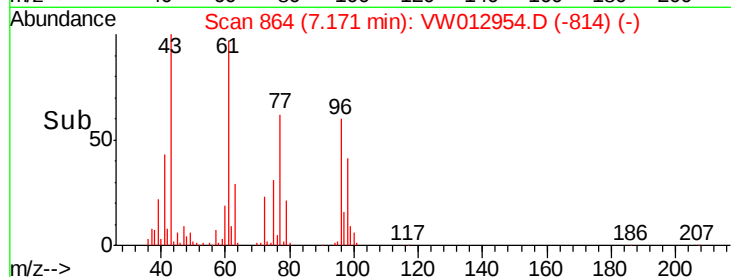
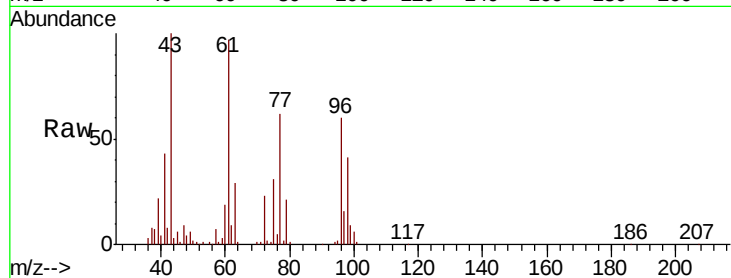
72 23.4 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.928 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012954.D

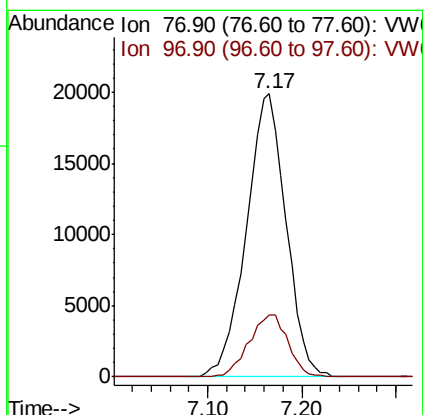
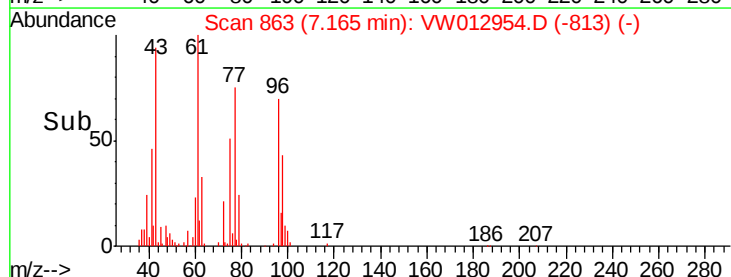
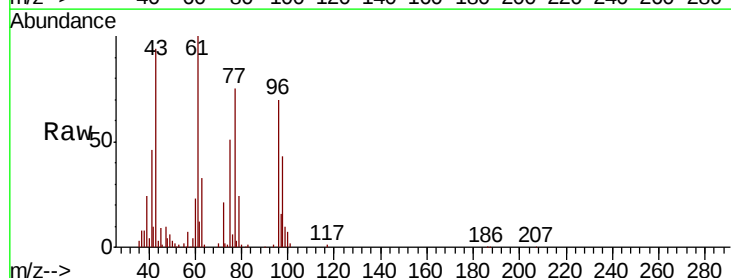
Acq: 13 Sep 2019 14:58

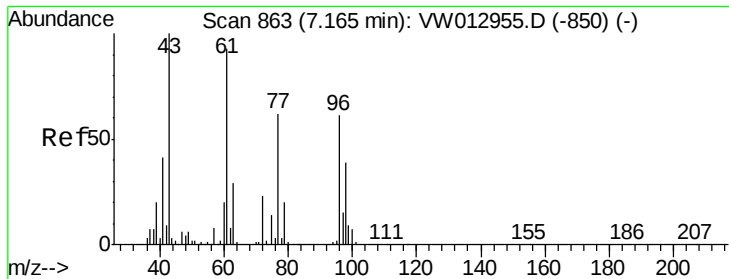
Tgt Ion: 77 Resp: 58379

Ion Ratio Lower Upper

77 100

97 21.6 10.7 32.1





#27

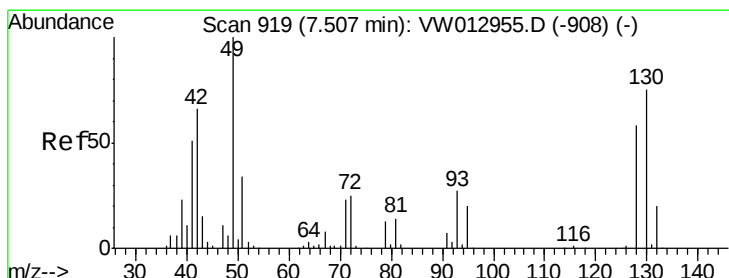
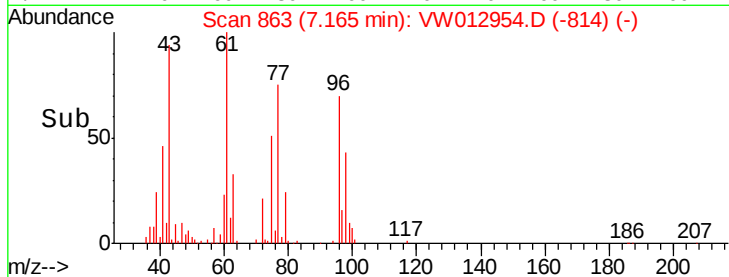
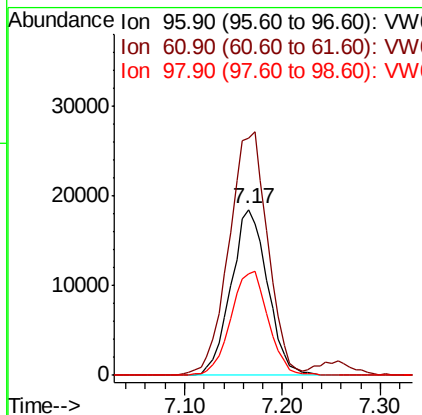
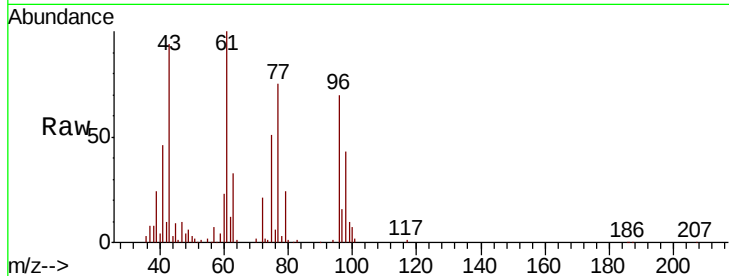
cis-1,2-Dichloroethene
Concen: 19.495 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	0.0	315.4
98	64.3	0.0	131.0

Manual Integrations
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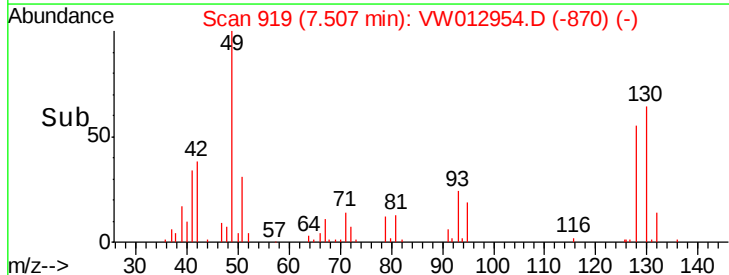
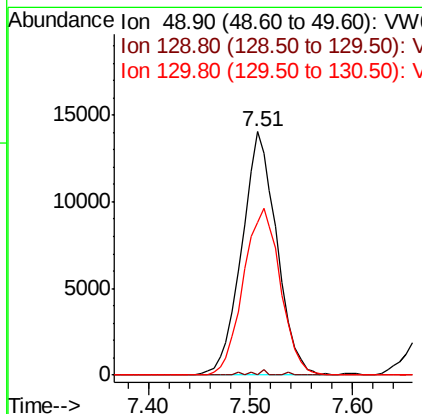
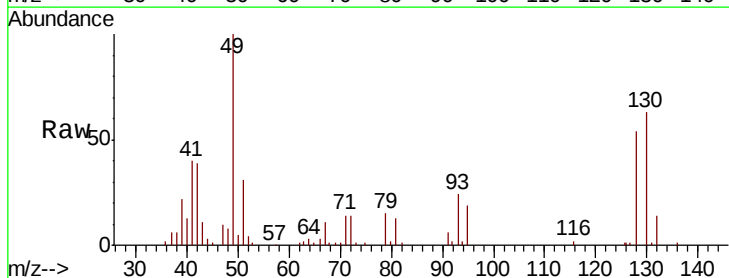
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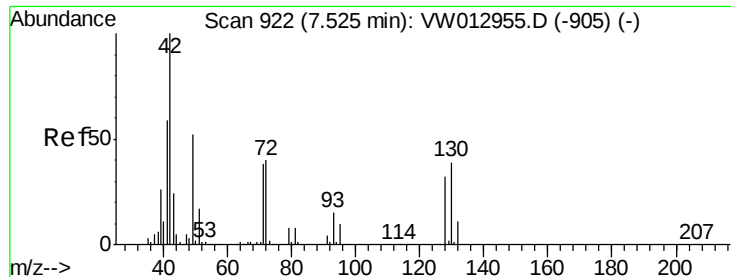


#28

Bromochloromethane
Concen: 18.297 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	1.4
130	72.6	57.8	86.6





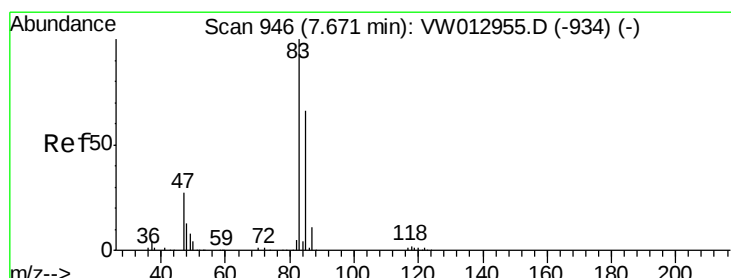
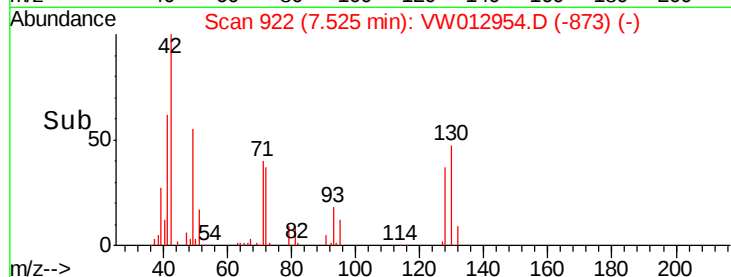
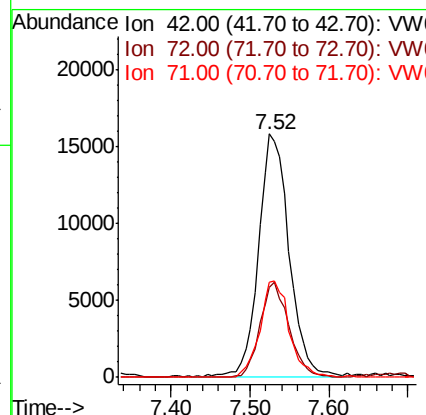
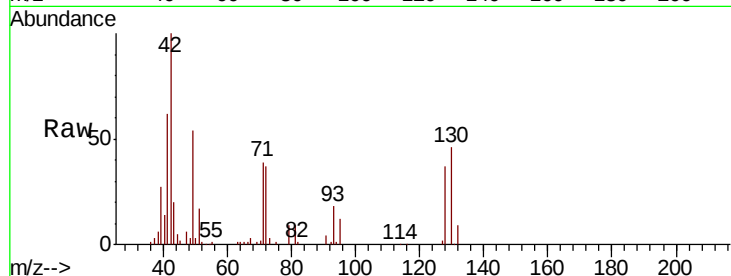
#29
Tetrahydrofuran
Concen: 92.753 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.4	47.0
71	37.6	29.8	44.8

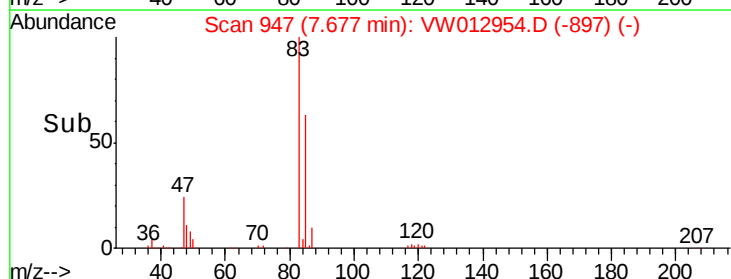
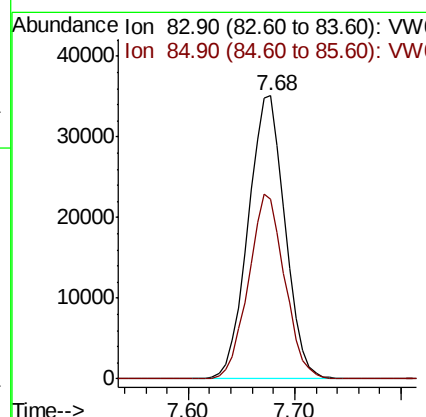
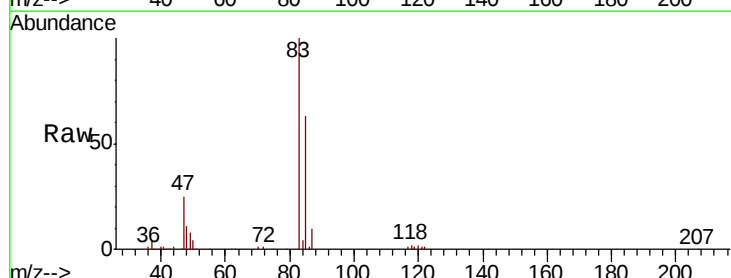
Manual Integrations
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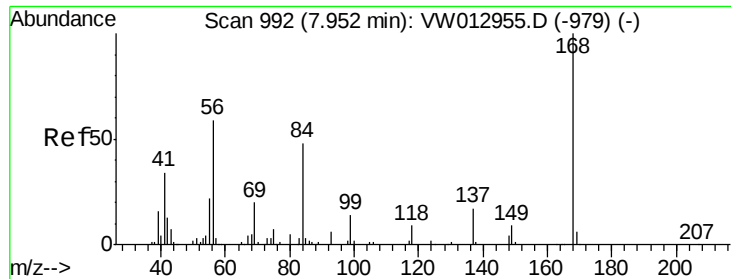
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#30
Chloroform
Concen: 19.288 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.8	79.2





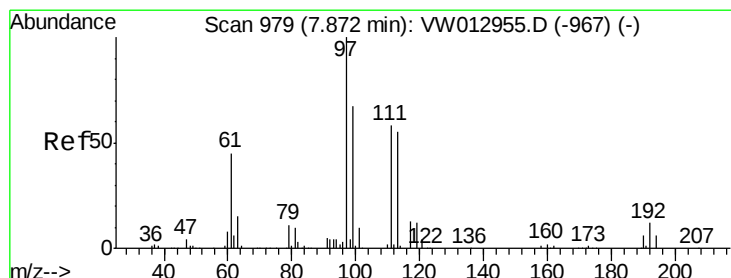
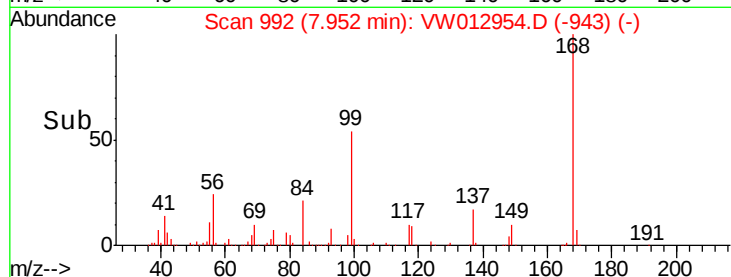
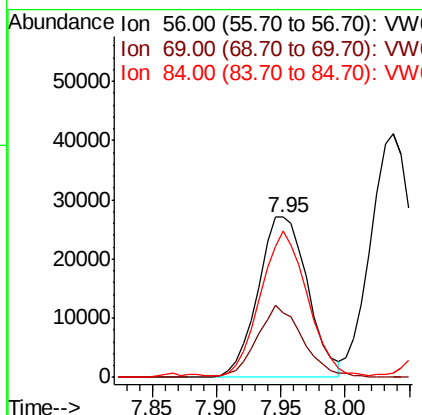
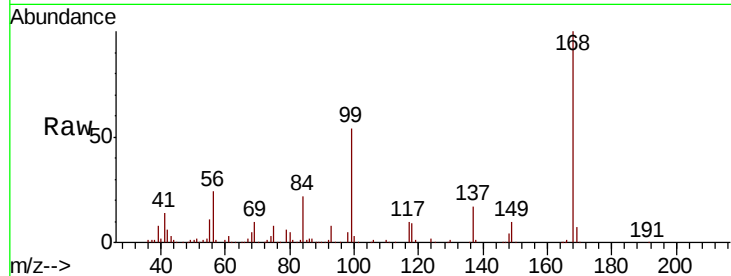
#31
Cyclohexane
Concen: 19.588 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	40.1	27.0	40.6
84	89.5	66.2	99.2

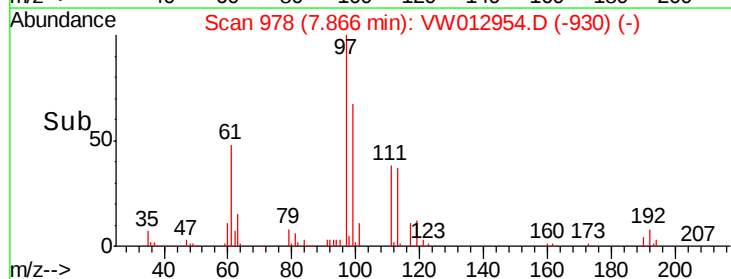
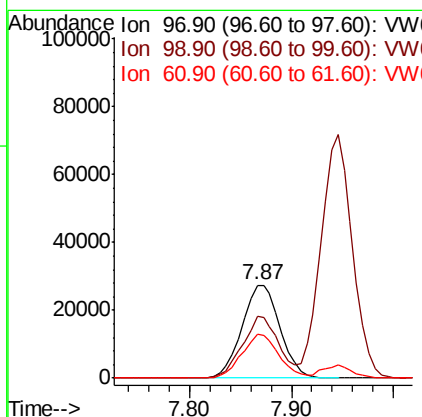
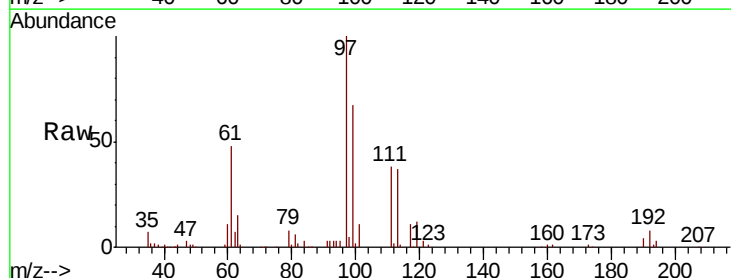
Manual Integrations
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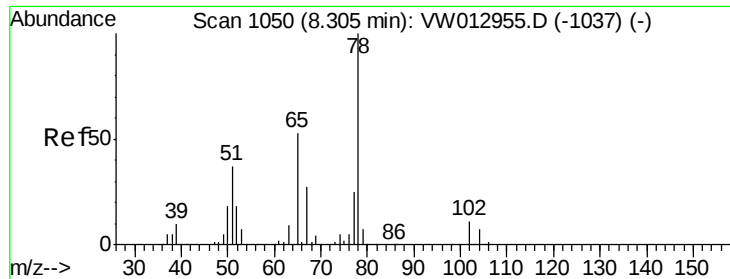
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#32
1,1,1-Trichloroethane
Concen: 19.423 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	53.0	79.4
61	46.1	36.5	54.7





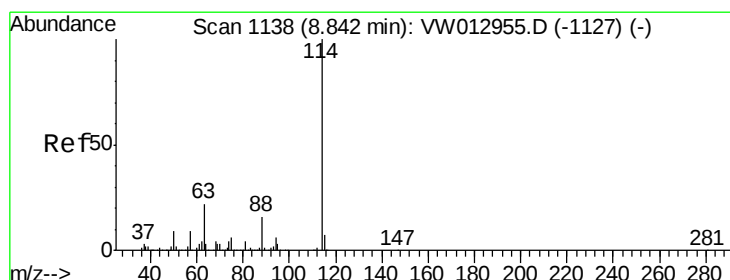
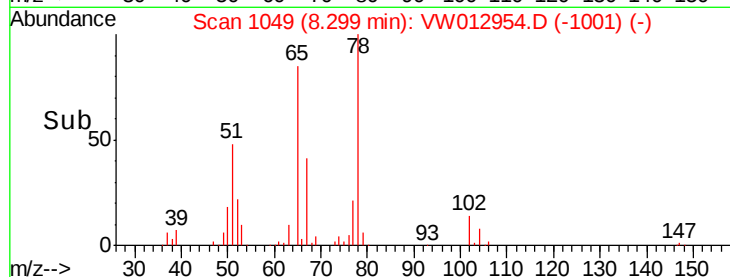
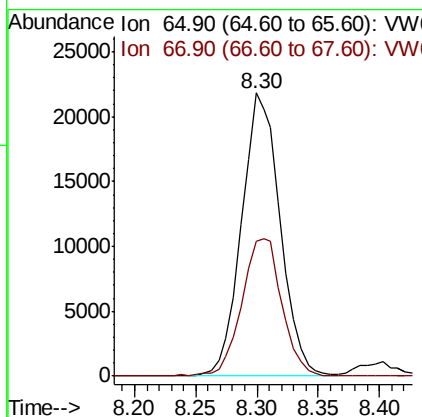
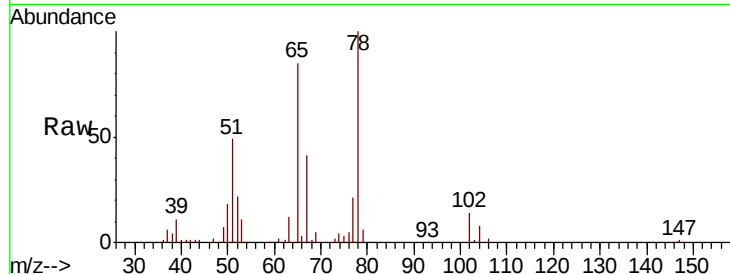
#33
 1,2-Dichloroethane-d4
 Concen: 18.669 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	47782		
67	50.5	0.0	101.2	

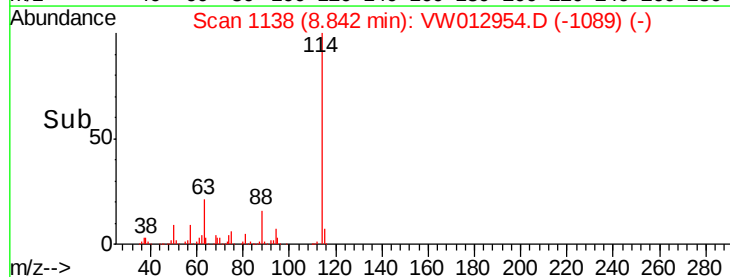
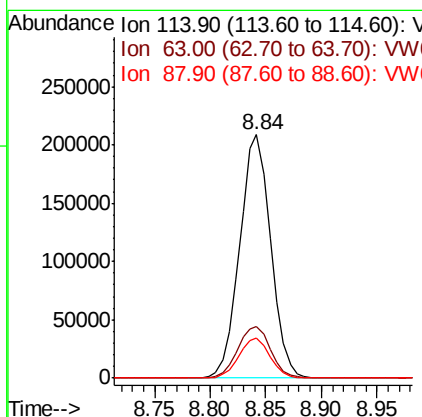
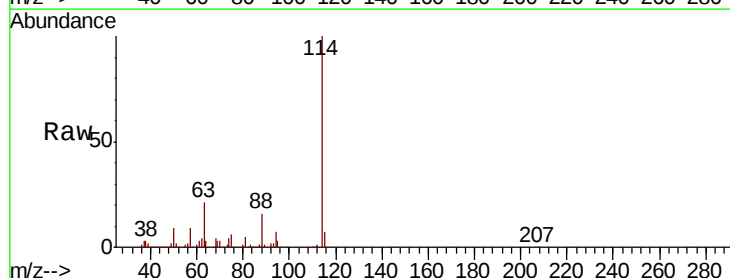
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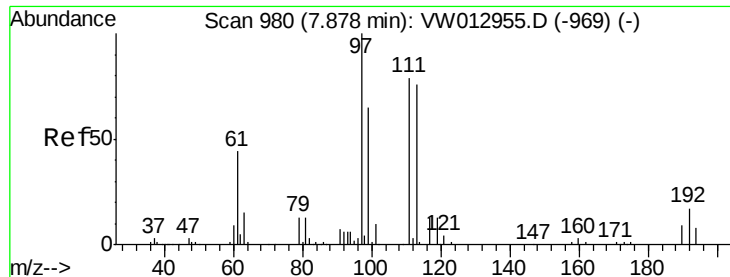
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403726		
63	21.3	0.0	43.4	
88	16.3	0.0	31.6	





#35

Dibromofluoromethane

Concen: 19.047 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

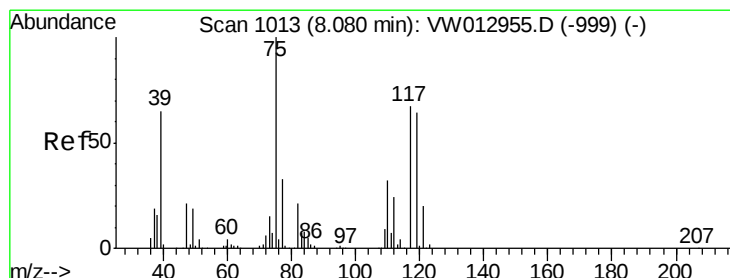
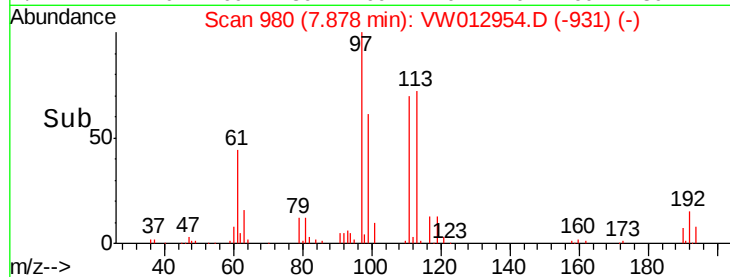
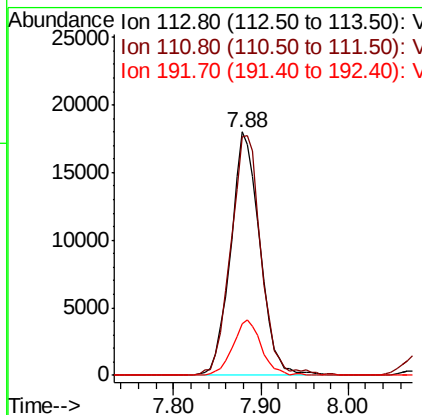
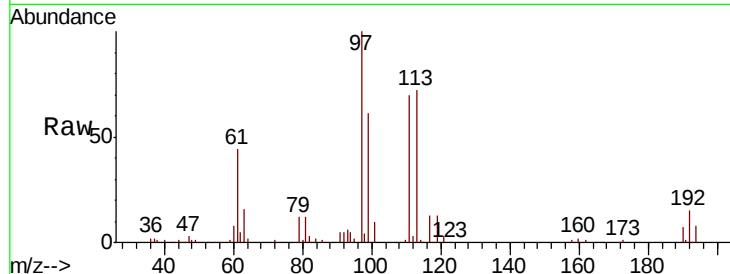
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	41726
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.8	124.2
192	22.4	17.8	26.8

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#36

1,1-Dichloropropene

Concen: 19.709 ug/l

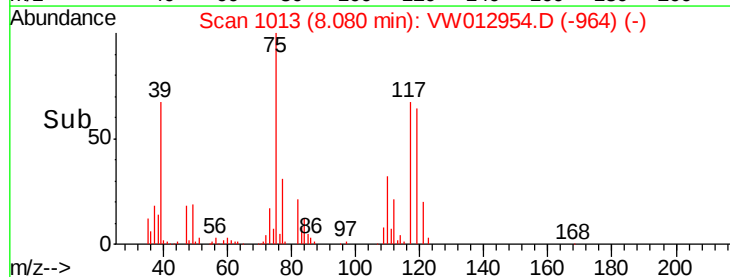
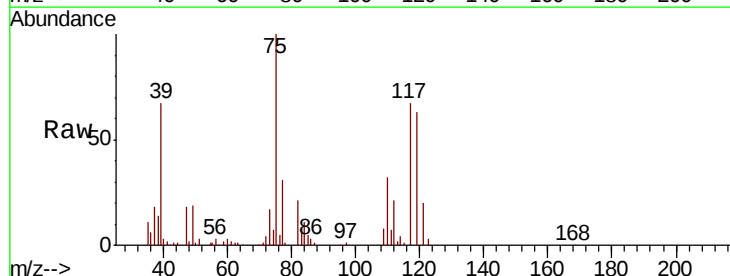
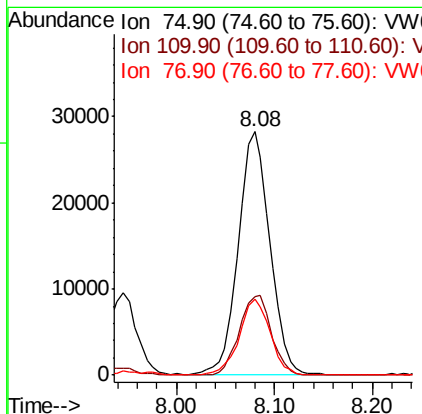
RT: 8.08 min Scan# 1013

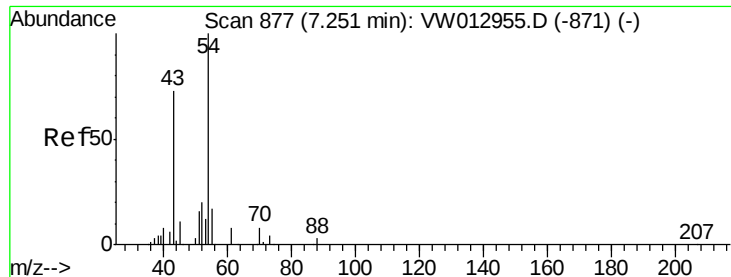
Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	75	Resp:	63584
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.4	49.1
77	30.4	25.1	37.7





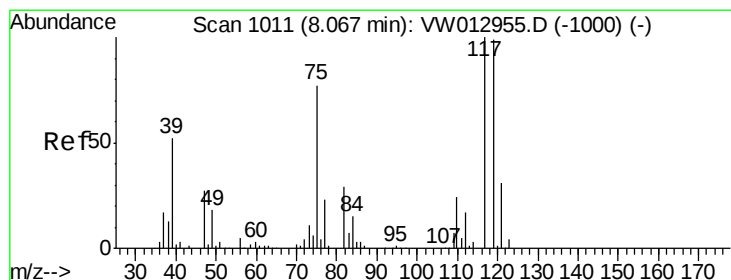
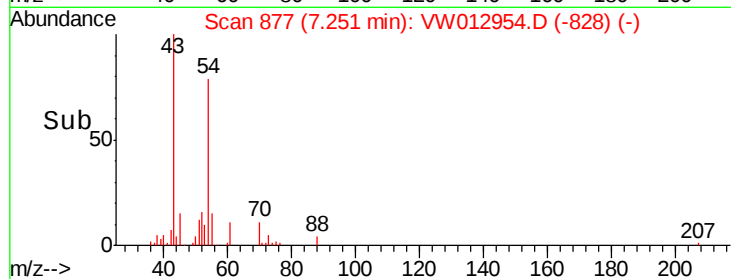
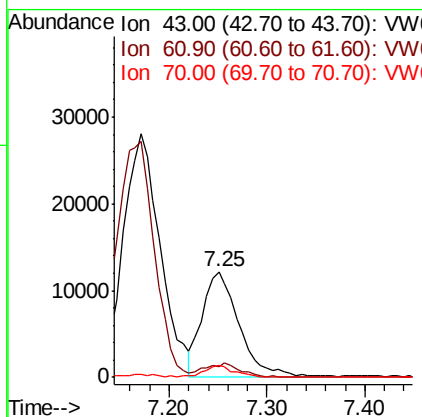
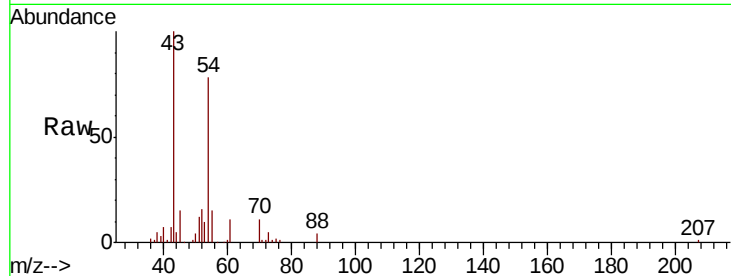
#37
Ethyl Acetate
Concen: 18.523 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.6	14.4
70	9.5	7.6	11.4

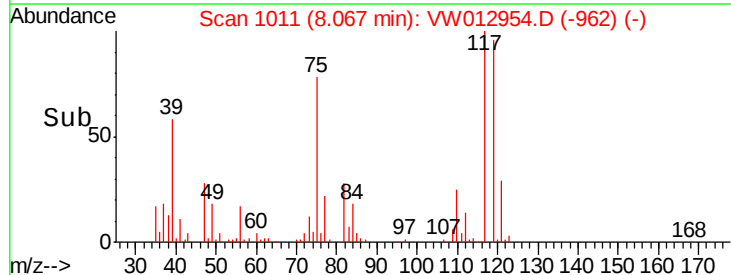
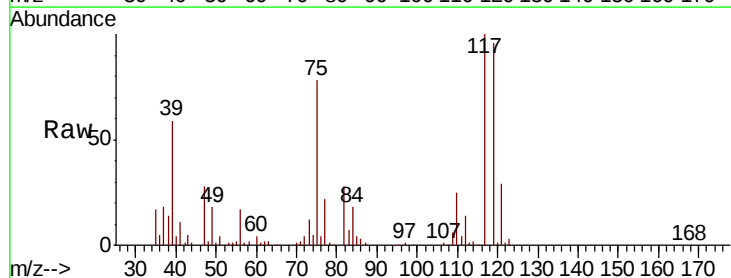
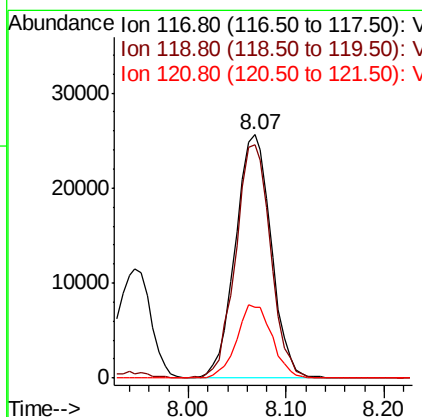
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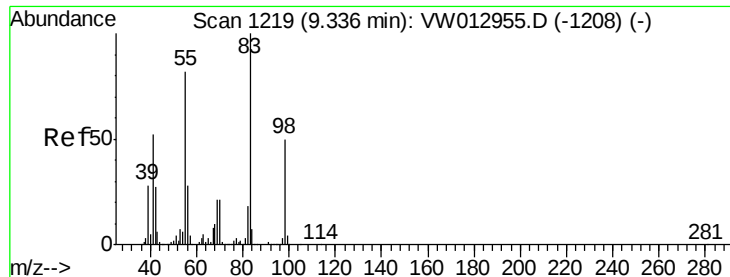
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#38
Carbon Tetrachloride
Concen: 19.653 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	79.4	119.0
121	29.3	24.6	36.8





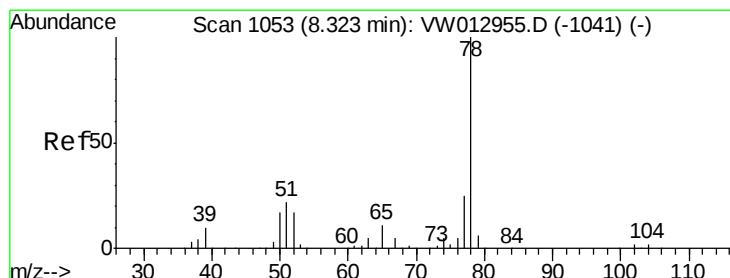
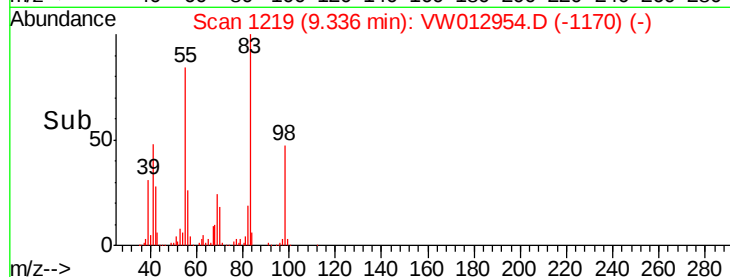
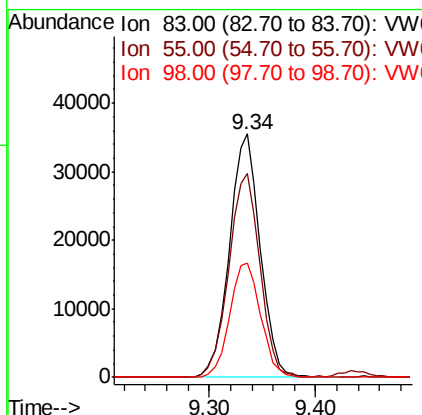
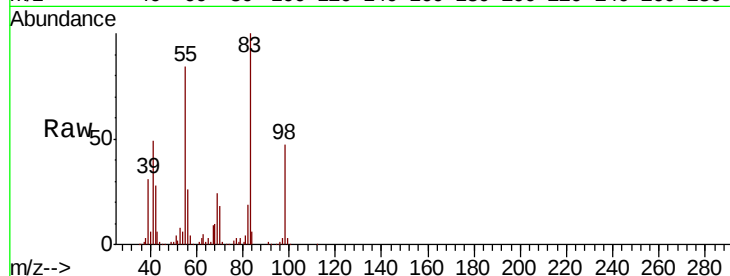
#39
Methylcyclohexane
Concen: 20.279 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.2	65.9	98.9
98	47.0	39.6	59.4

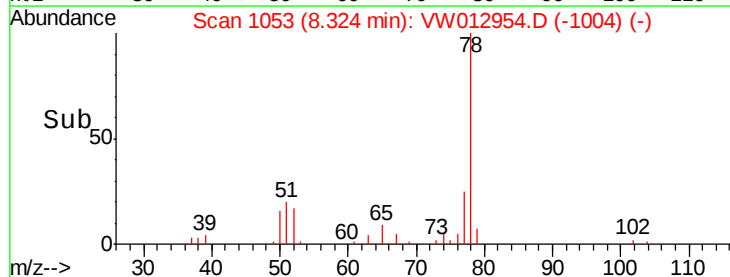
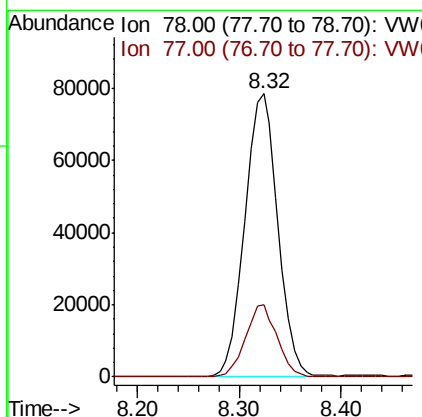
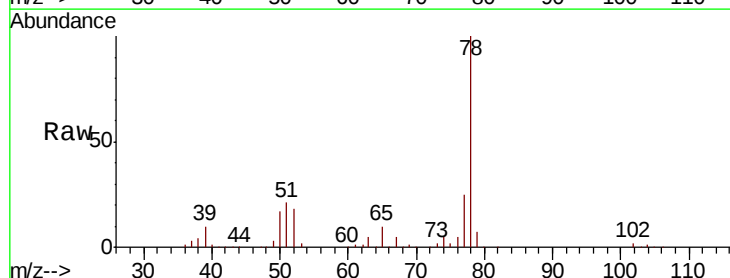
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#40
Benzene
Concen: 19.686 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.6	29.4





#41

Methacrylonitrile

Concen: 18.868 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

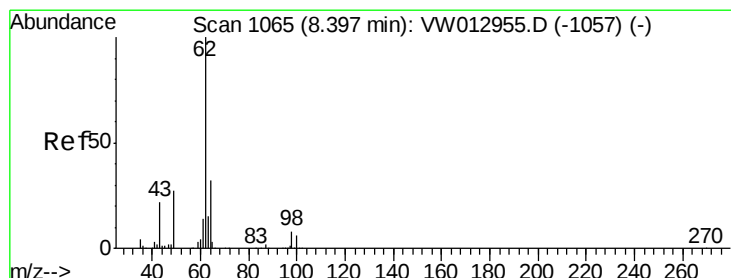
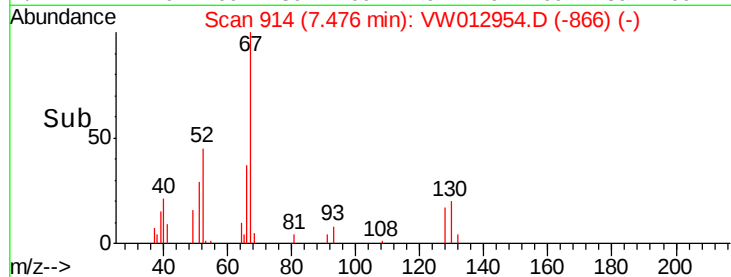
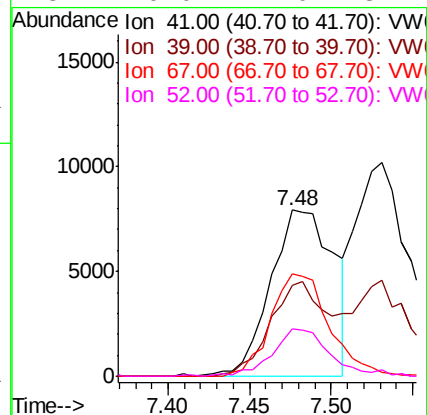
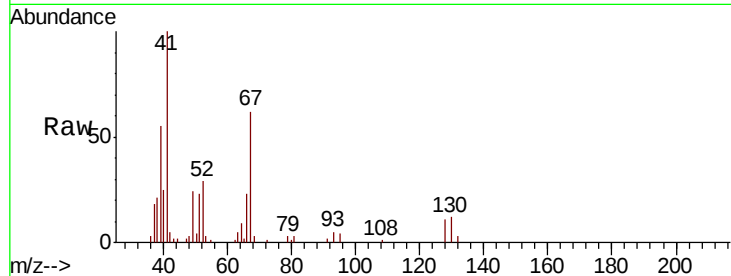
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	48.4	48.2	72.4
67	57.5	47.5	71.3
52	26.0	21.0	31.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.973 ug/l

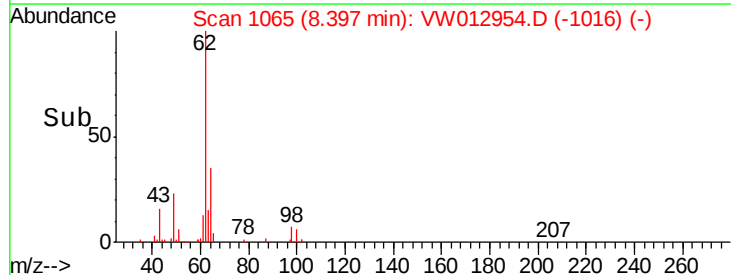
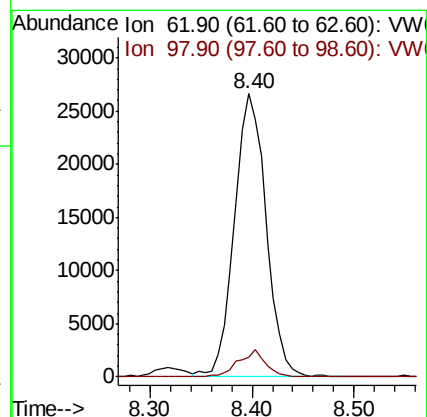
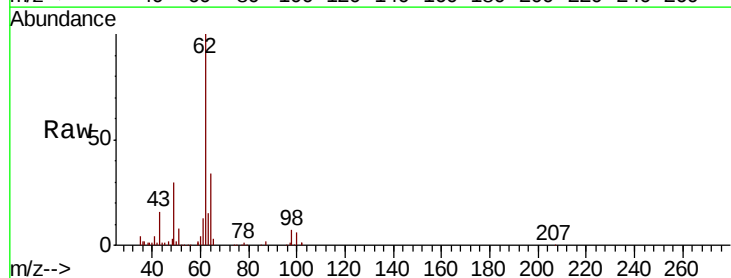
RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





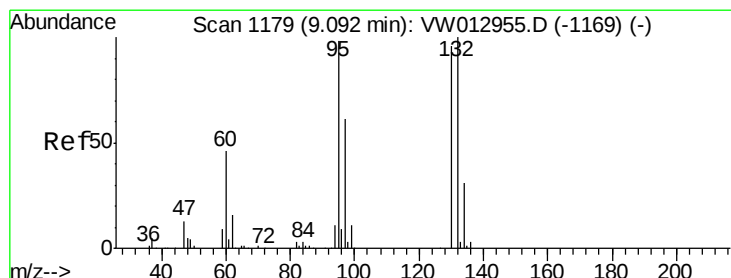
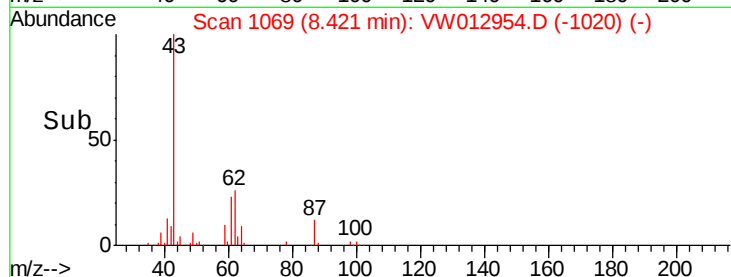
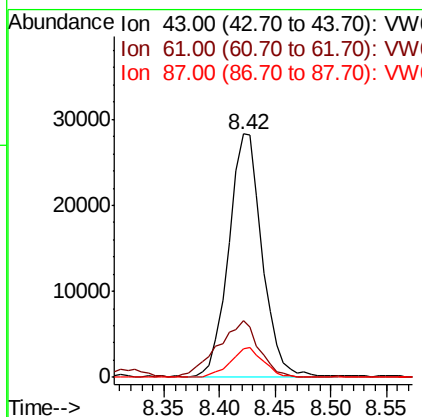
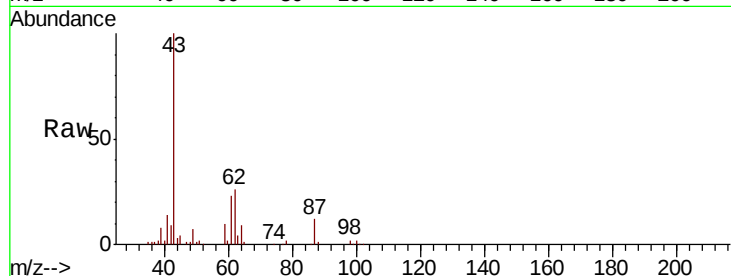
#43
Isopropyl Acetate
Concen: 17.746 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.7	34.1
87	12.2	9.4	14.2

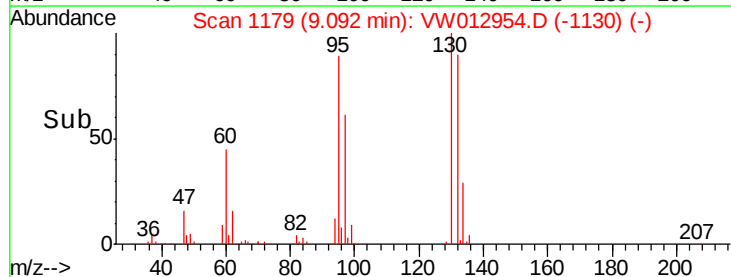
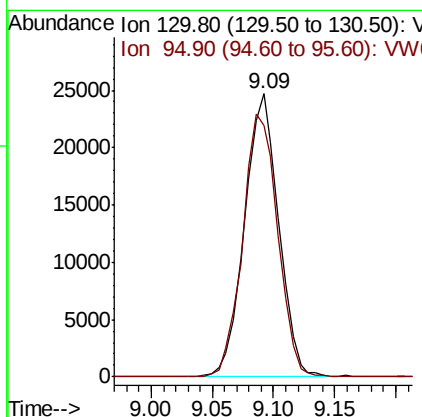
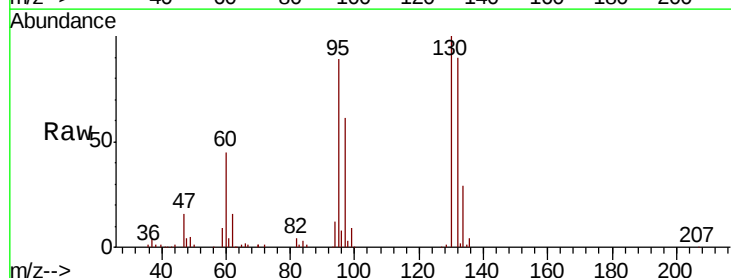
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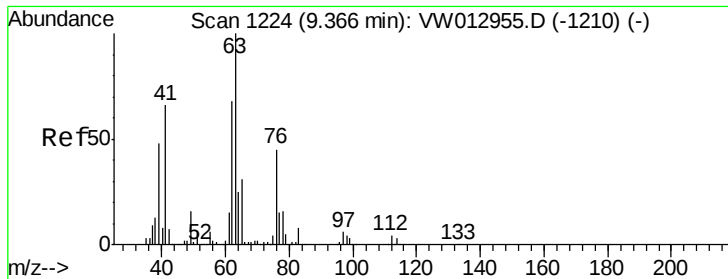
MMDadoda
9/16/2019 12:43:38 AM



#44
Trichloroethene
Concen: 19.398 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	204.4





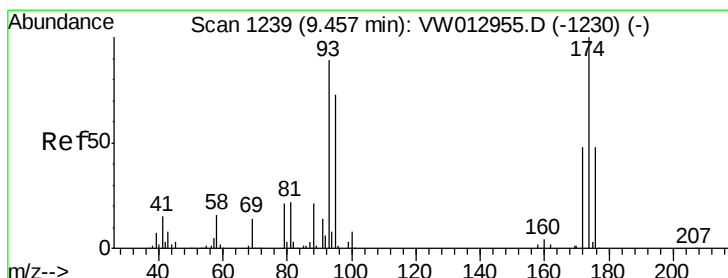
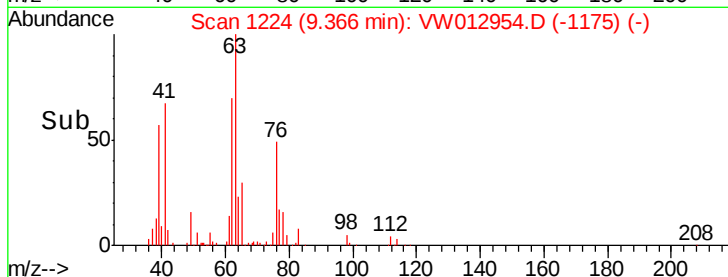
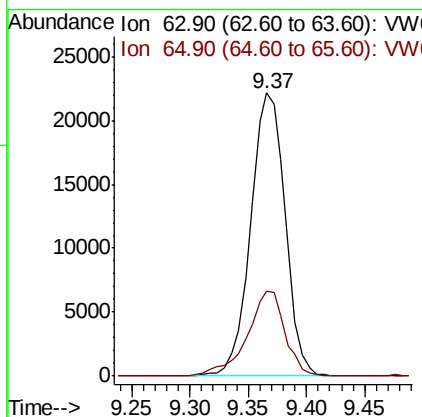
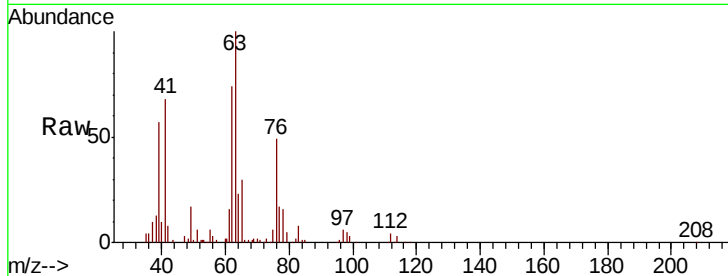
#45
 1,2-Dichloropropane
 Concen: 19.105 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 45714
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0

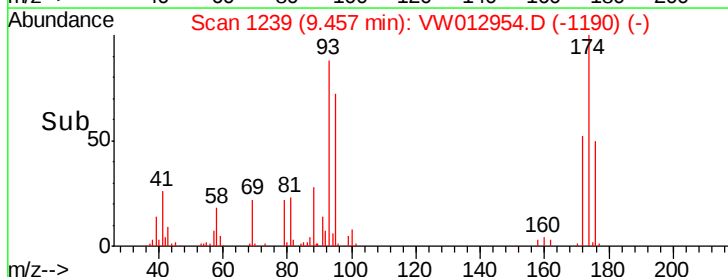
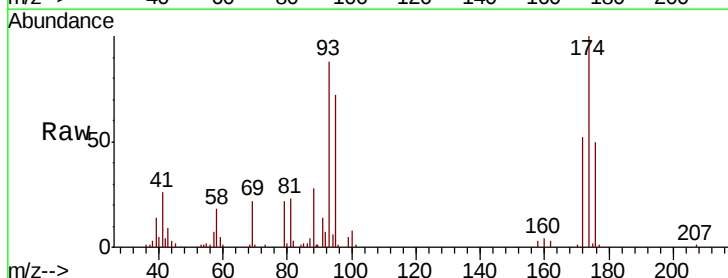
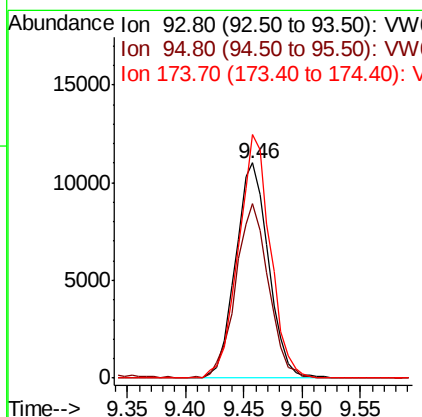
Manual Integrations
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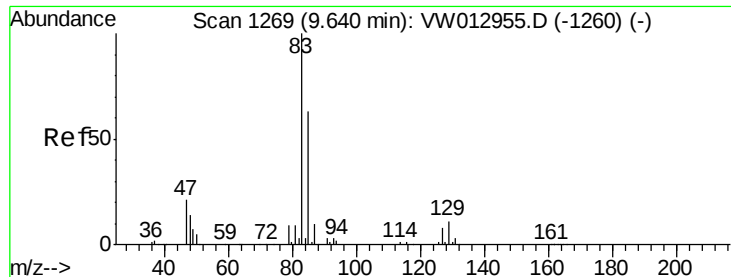
MMDadoda
 9/16/2019 12:43:38 AM



#46
 Dibromomethane
 Concen: 18.938 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 93 Resp: 21710
 Ion Ratio Lower Upper
 93 100
 95 80.8 67.0 100.4
 174 109.7 90.5 135.7





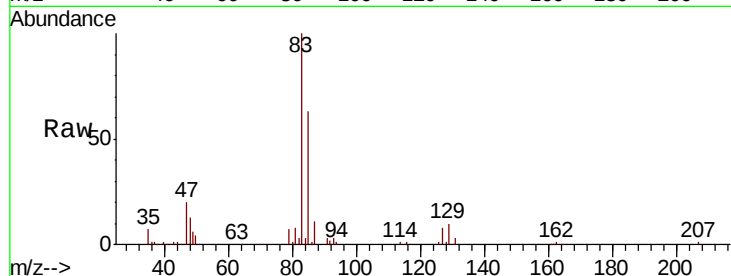
#47
Bromodichloromethane
Concen: 18.646 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

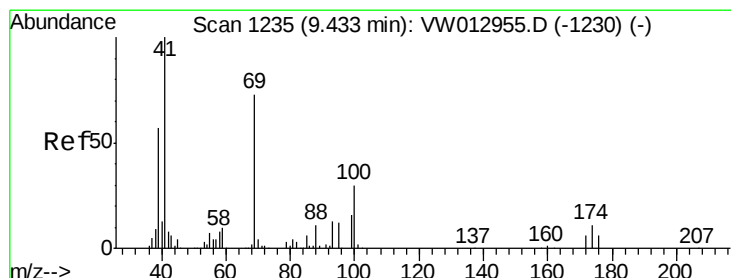
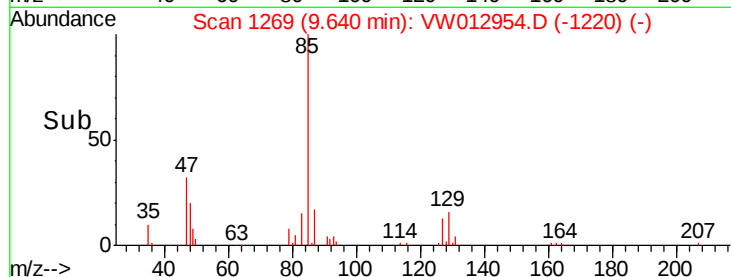
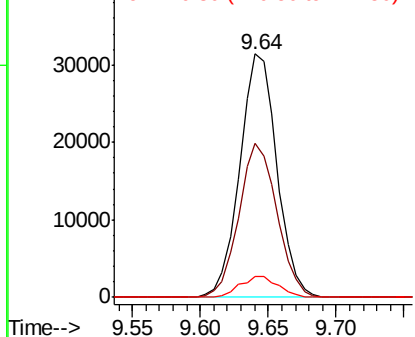
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	59958		
85	63.1	50.6	75.8	
127	8.5	6.7	10.1	

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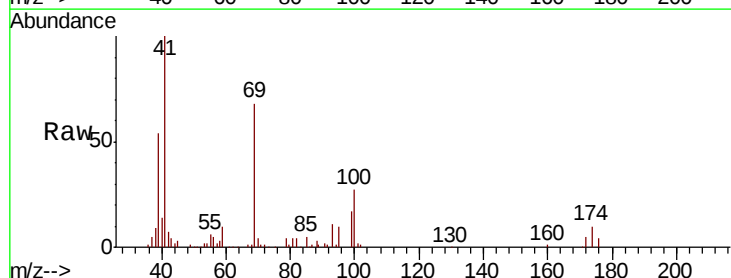


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

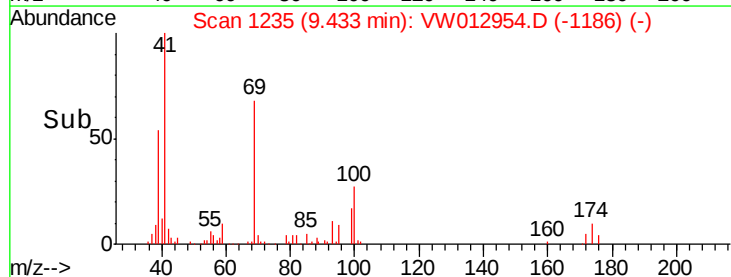
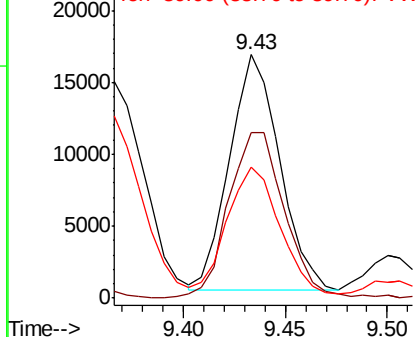


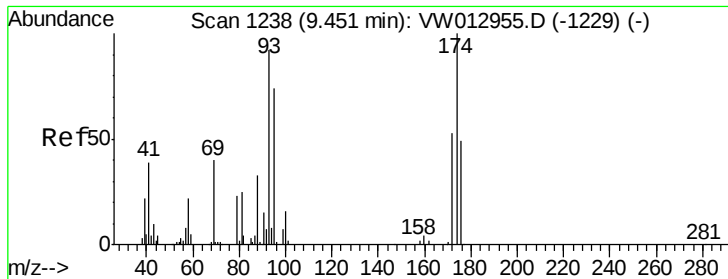
#48
Methyl methacrylate
Concen: 18.156 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	28015		
69	79.2	62.8	94.2	
39	59.1	48.5	72.7	



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 377.629 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

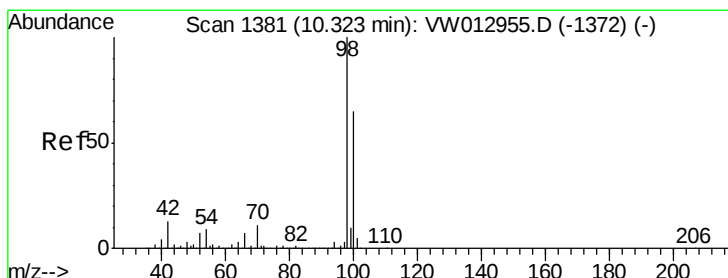
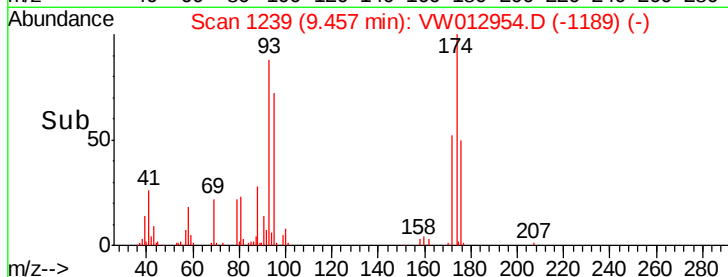
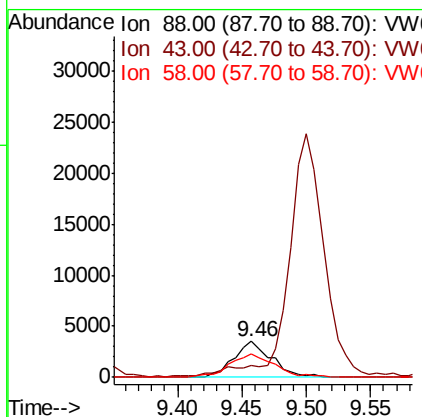
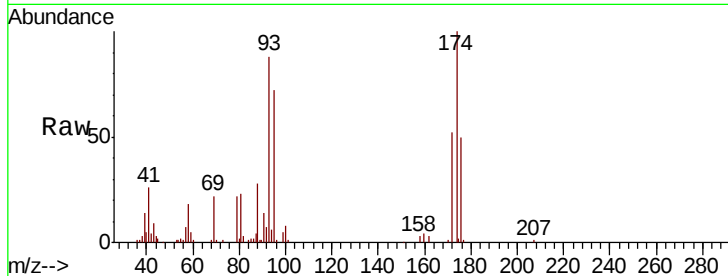
ClientSampleId :

VSTDIC020

Tgt Ion:	88	Resp:	7254
Ion Ratio	Lower	Upper	
88	100		
43	0.0	31.3	46.9#
58	76.2	60.2	90.2

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#50

Toluene-d8

Concen: 18.353 ug/l

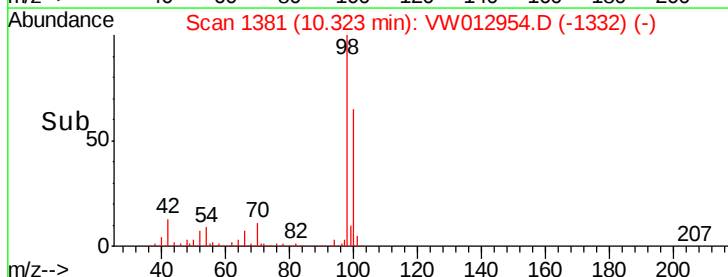
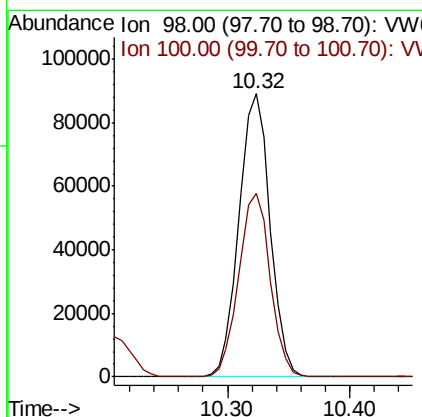
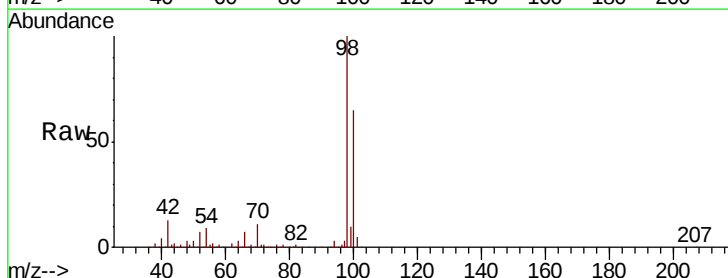
RT: 10.32 min Scan# 1381

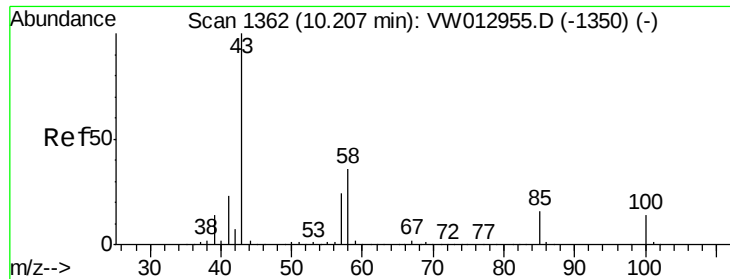
Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	98	Resp:	157331
Ion Ratio	Lower	Upper	
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 90.749 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tgt Ion: 43 Resp: 154041

Ion Ratio Lower Upper

43 100

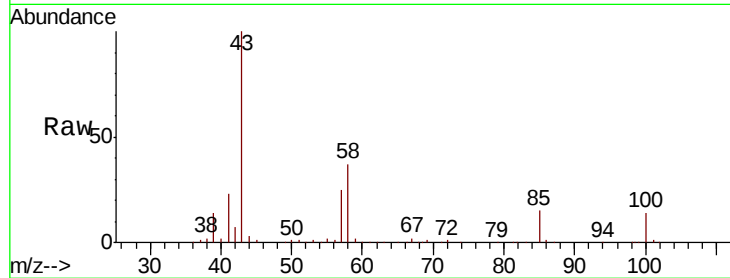
58 36.8 29.5 44.3

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

80000

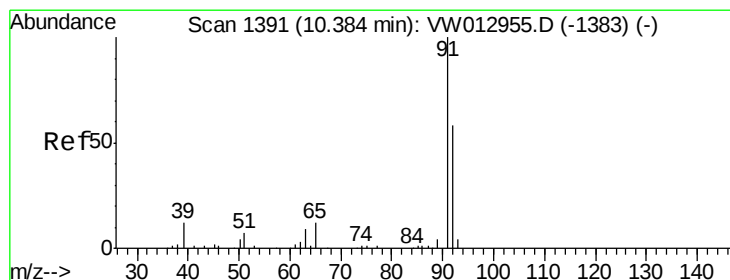
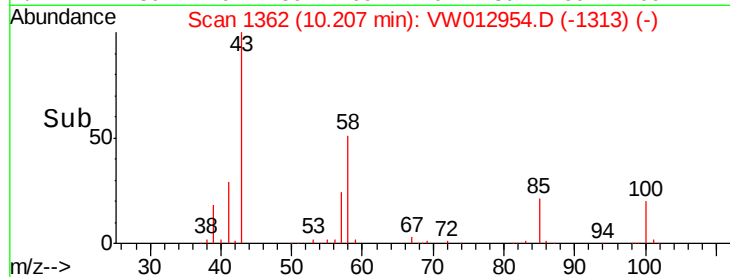
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.433 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012954.D

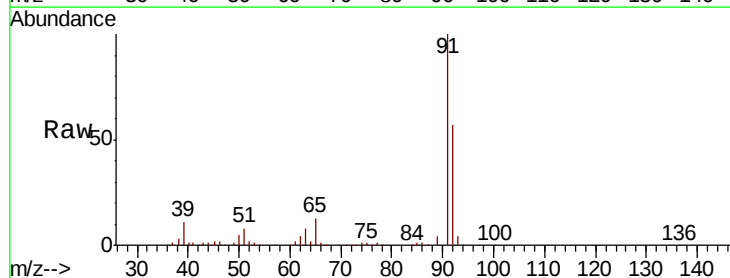
Acq: 13 Sep 2019 14:58

Tgt Ion: 92 Resp: 111216

Ion Ratio Lower Upper

92 100

91 170.7 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

120000

100000

80000

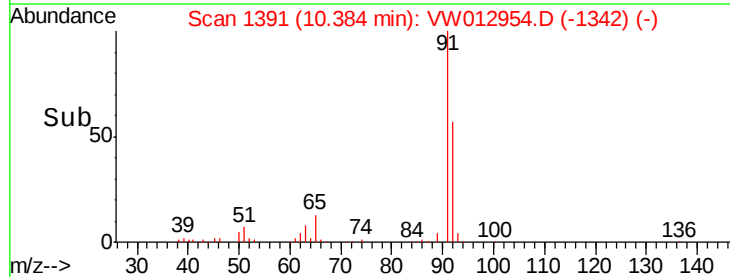
60000

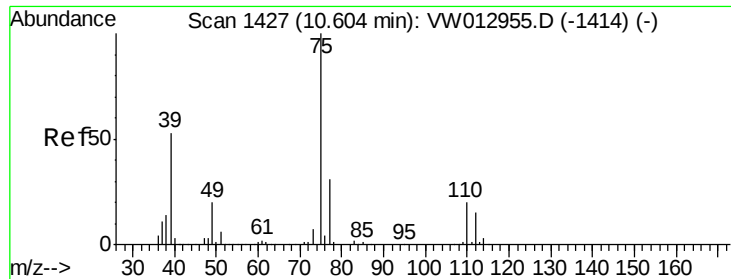
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20000

0

Time-->





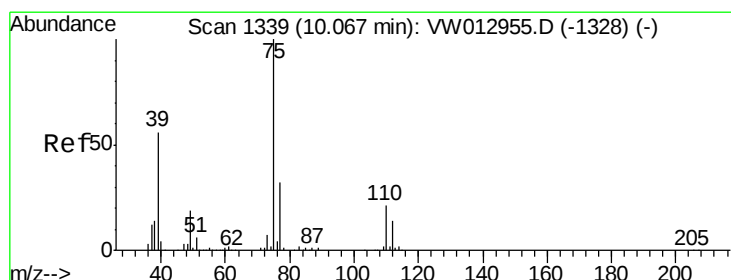
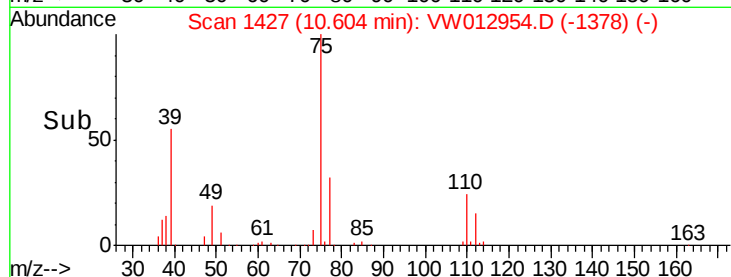
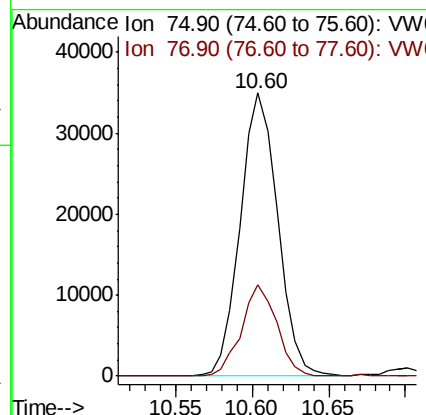
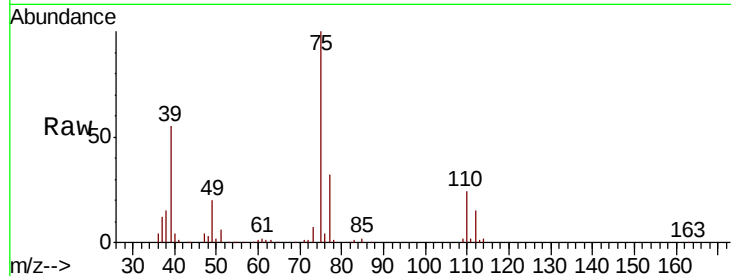
#53
 t-1,3-Dichloropropene
 Concen: 18.440 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 75 Resp: 59636
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.6 37.0

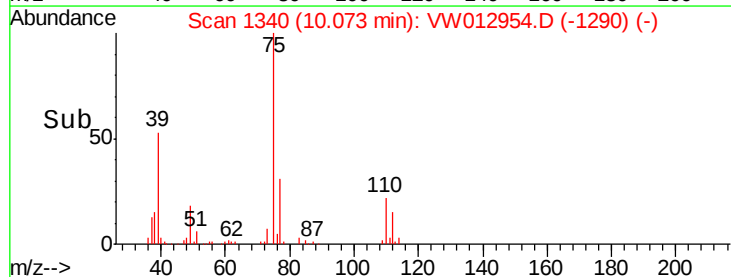
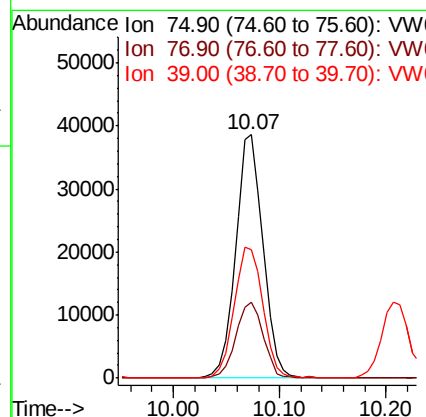
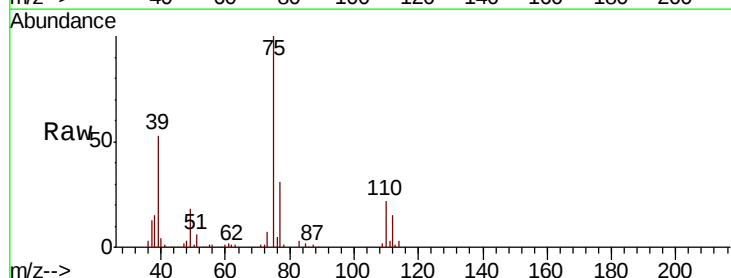
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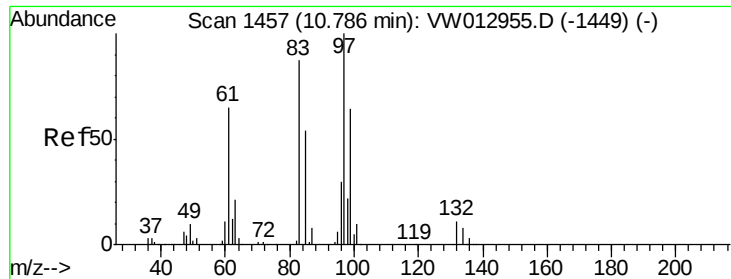
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#54
 cis-1,3-Dichloropropene
 Concen: 18.769 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 75 Resp: 69452
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 52.8 45.0 67.6





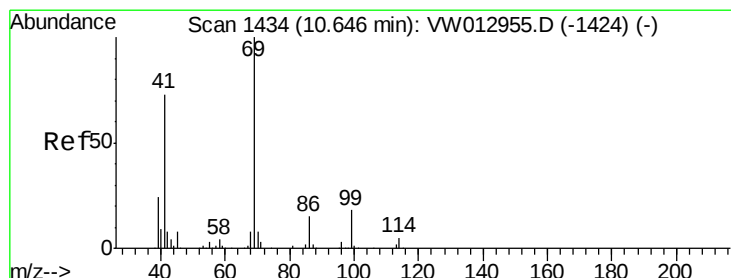
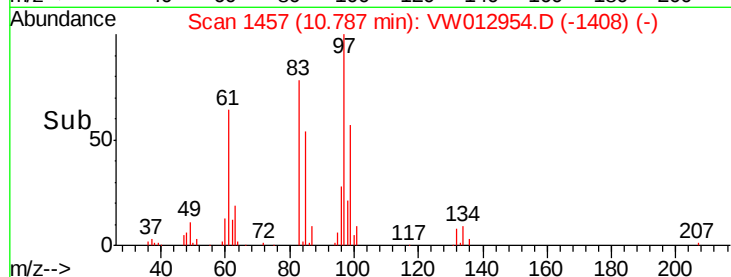
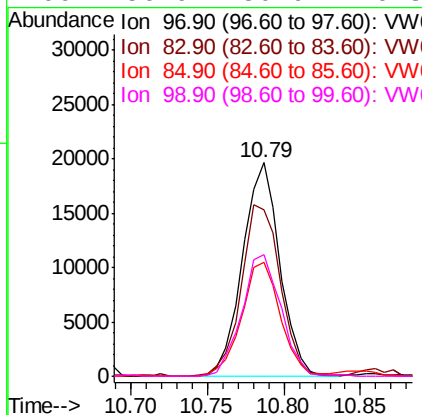
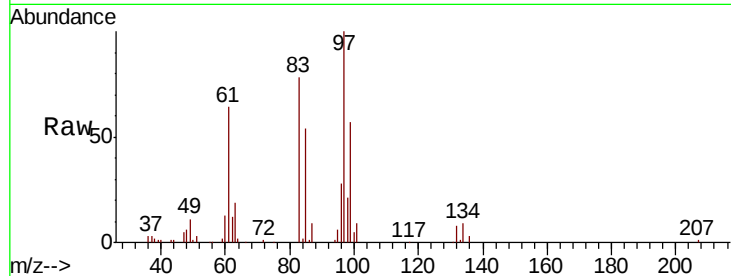
#55
 1,1,2-Trichloroethane
 Concen: 19.020 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	33217
Ion	Ratio	Lower	Upper
97	100		
83	77.9	69.4	104.0
85	53.5	43.3	64.9
99	56.9	50.9	76.3

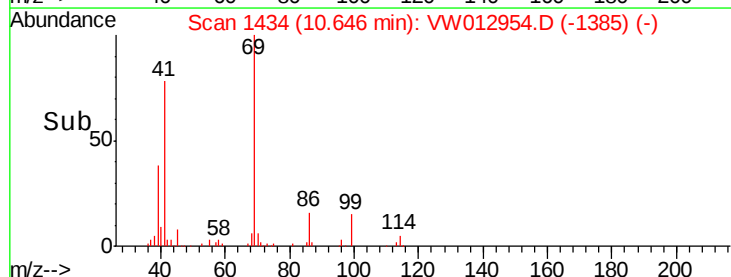
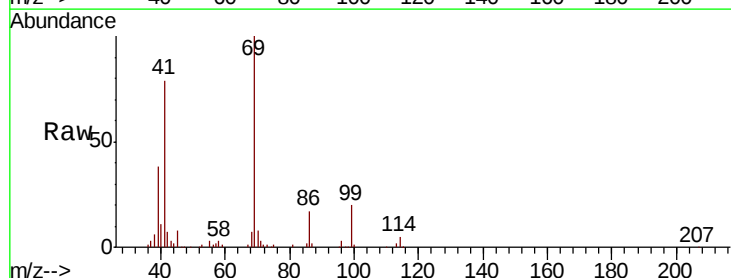
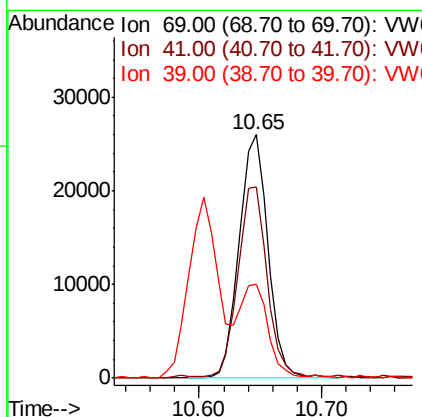
Manual Integrations
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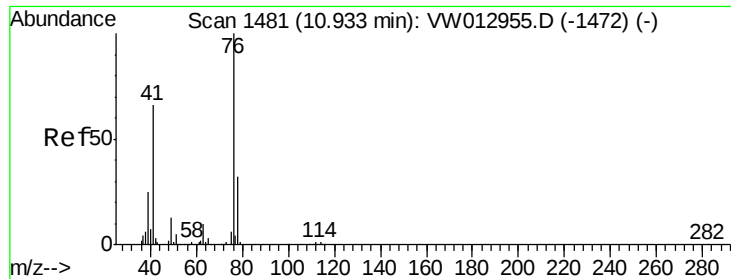
MMDadoda
 9/16/2019 12:43:38 AM



#56
 Ethyl methacrylate
 Concen: 18.080 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion:	69	Resp:	42502
Ion	Ratio	Lower	Upper
69	100		
41	77.9	60.8	91.2
39	35.3	29.4	44.0





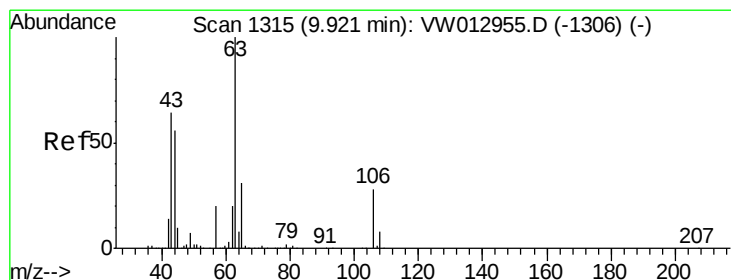
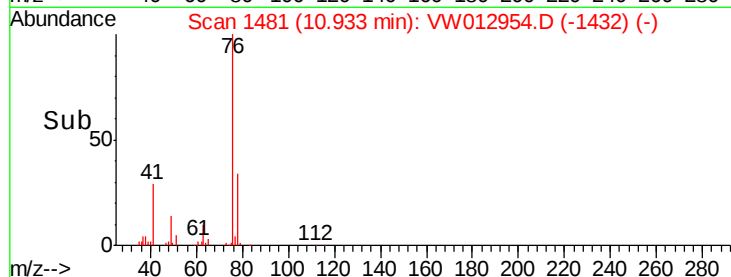
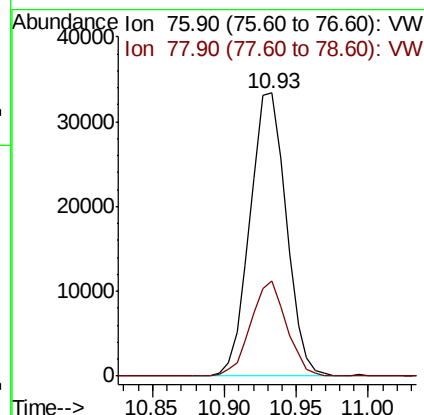
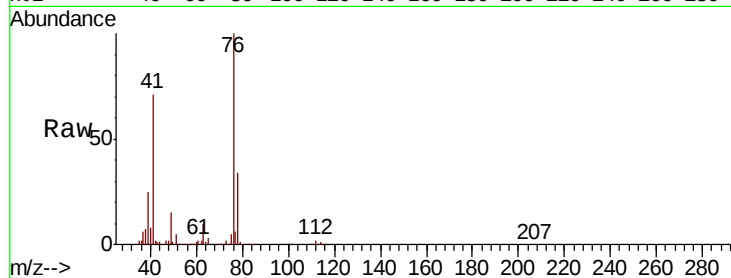
#57
 1,3-Dichloropropane
 Concen: 18.825 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 58321
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4

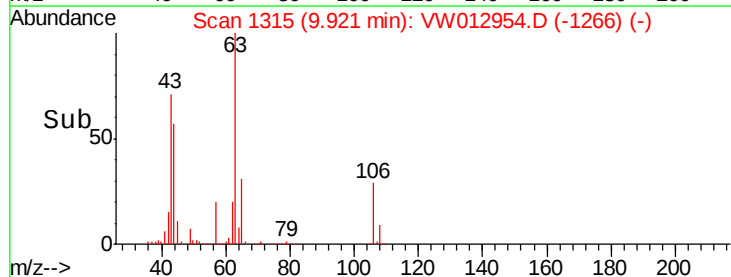
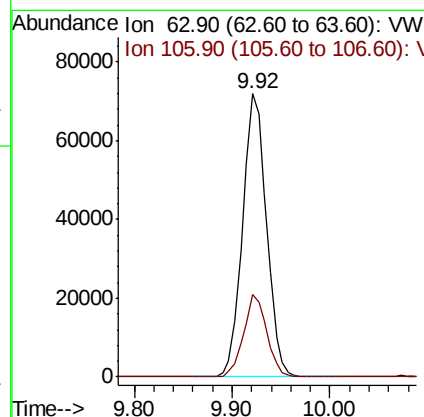
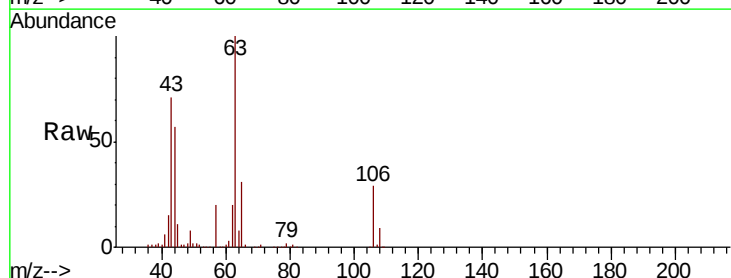
Manual Integrations
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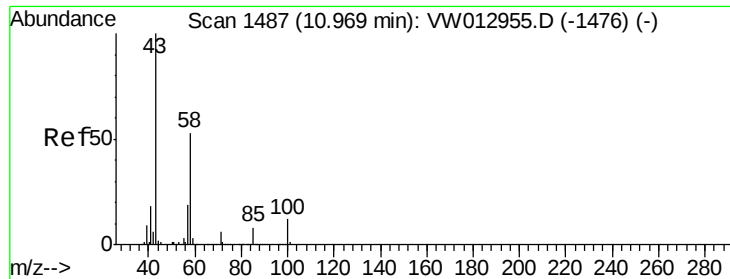
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.831 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion: 63 Resp: 122104
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.2 33.2





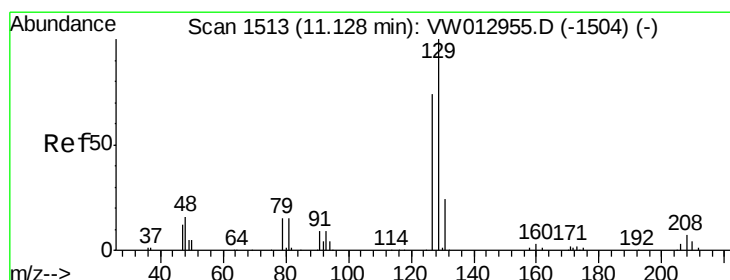
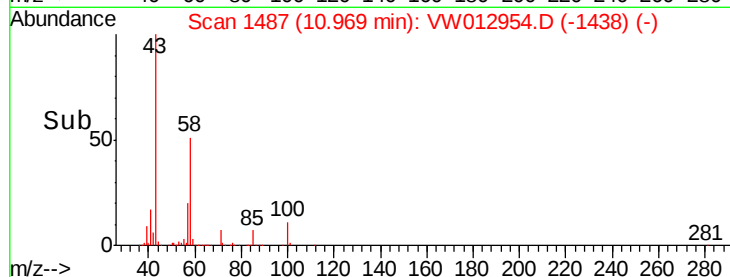
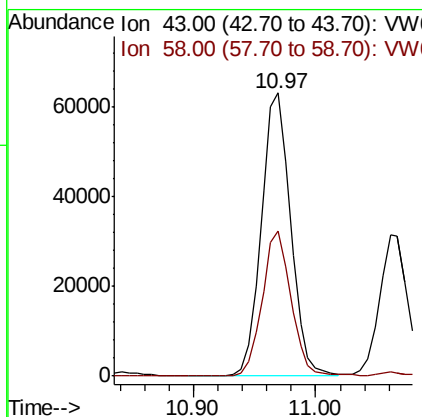
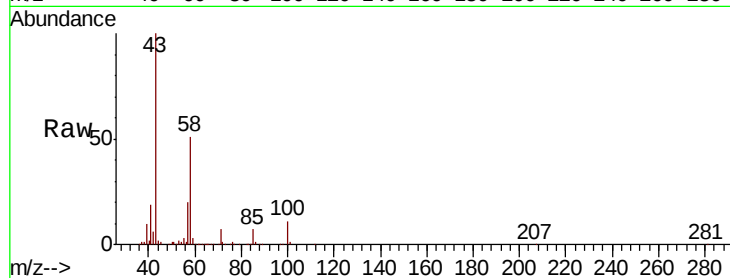
#59
2-Hexanone
Concen: 89.259 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 105499
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3

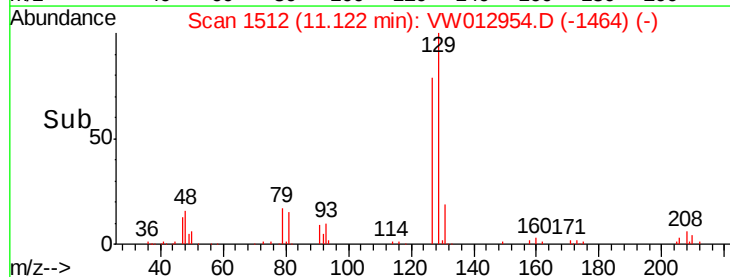
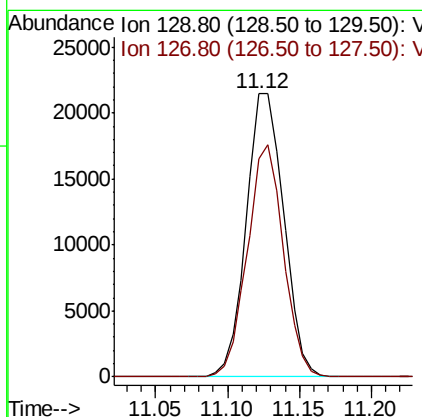
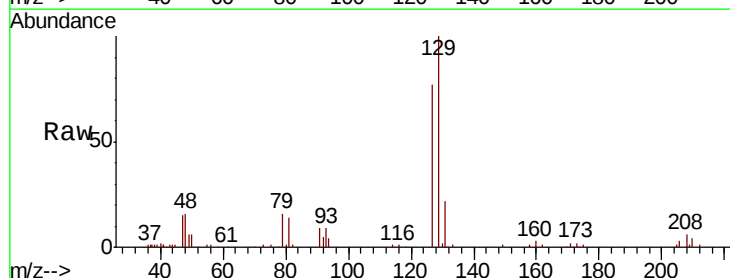
Manual Integrations
APPROVED

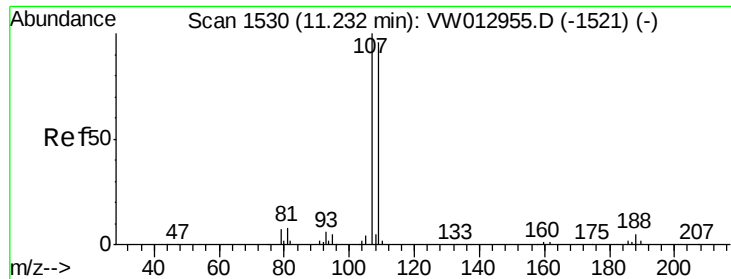
MMDadoda
9/16/2019 12:43:38 AM



#60
Dibromochloromethane
Concen: 18.331 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 129 Resp: 38704
Ion Ratio Lower Upper
129 100
127 78.7 37.4 112.2





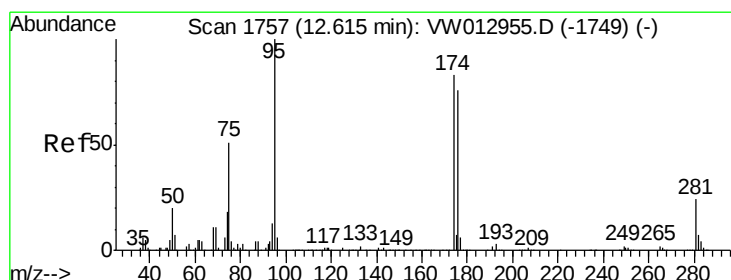
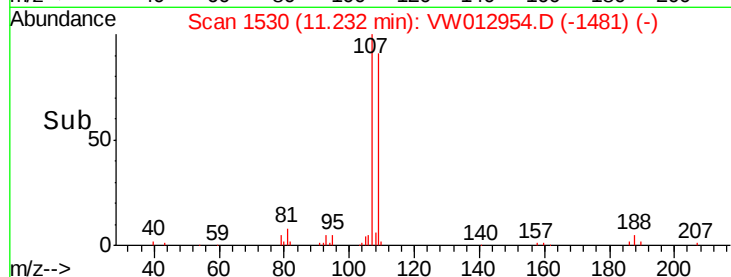
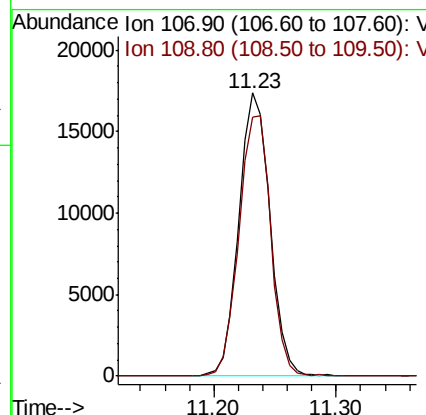
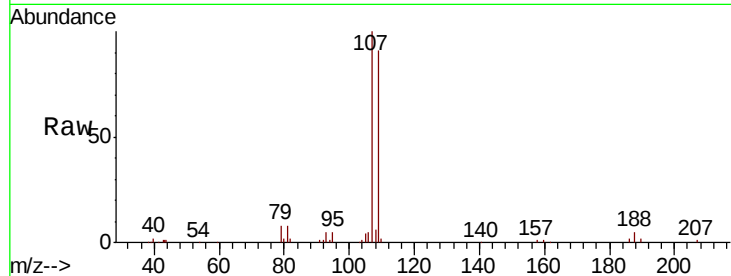
#61
 1,2-Dibromoethane
 Concen: 19.170 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6

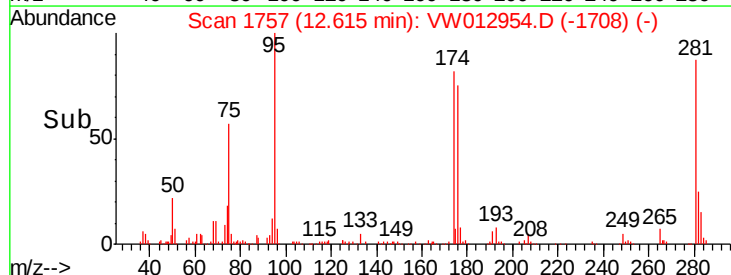
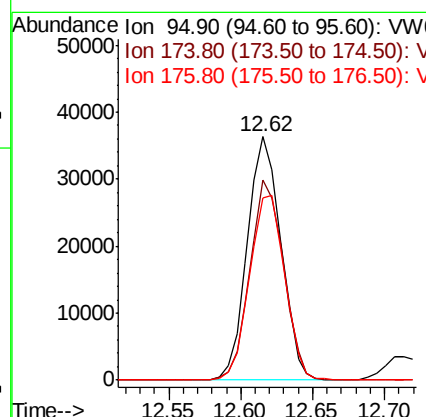
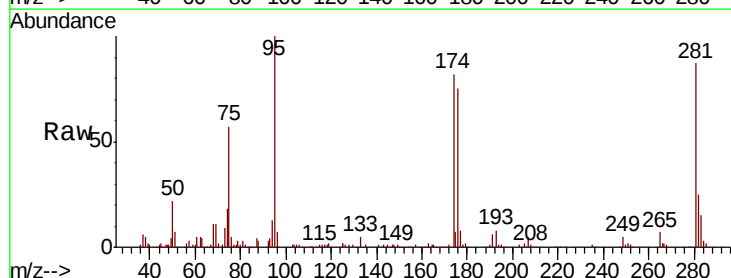
Manual Integrations
 APPROVED

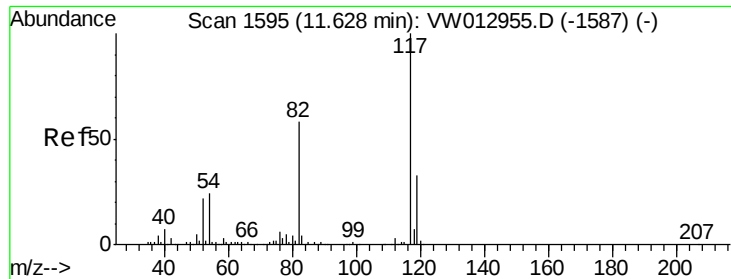
MMDadoda
 9/16/2019 12:43:38 AM



#62
 4-Bromofluorobenzene
 Concen: 19.076 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	170.4
176	78.9	0.0	164.6





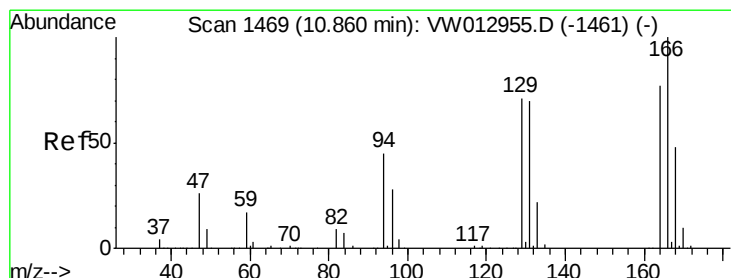
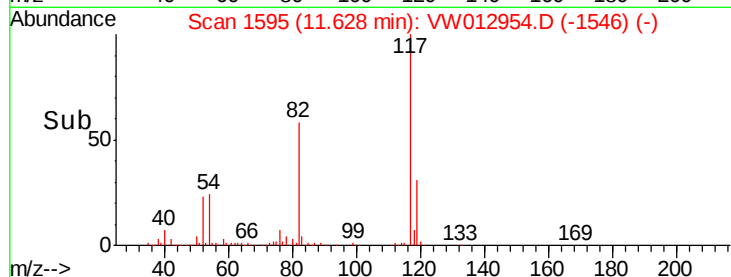
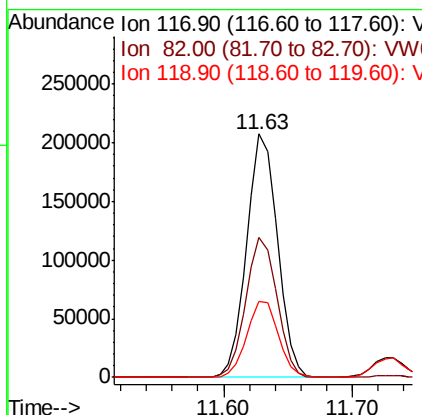
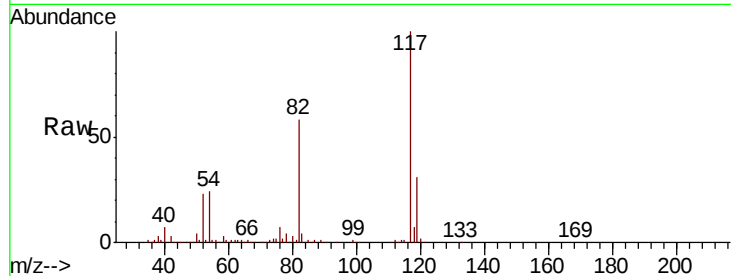
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	343668		
82	57.6	46.3	69.5	
119	31.3	26.2	39.4	

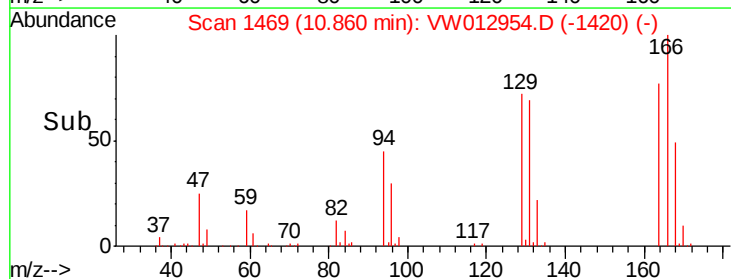
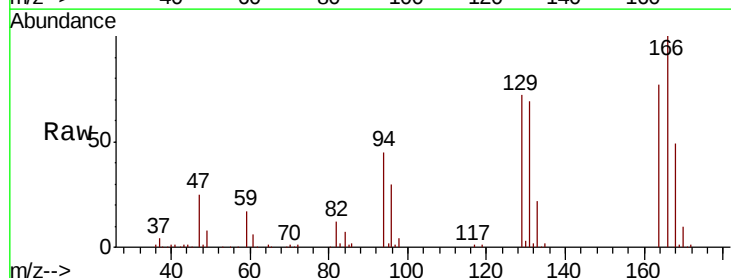
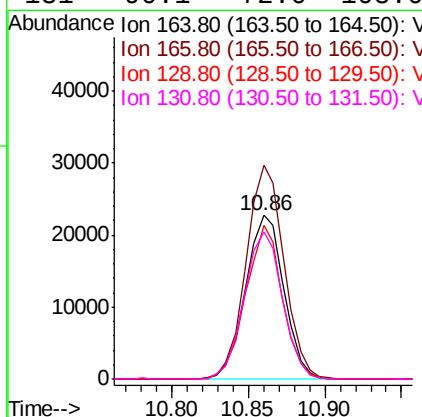
Manual Integrations
APPROVED

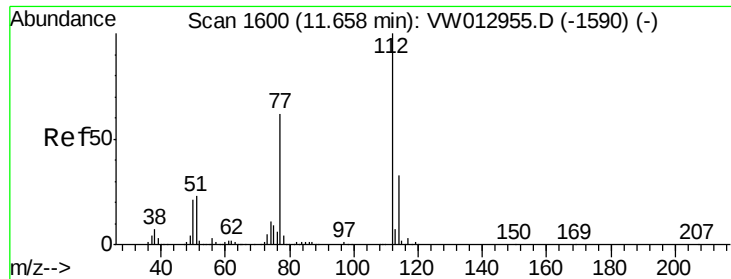
MMDadoda
9/16/2019 12:43:38 AM



#64
Tetrachloroethene
Concen: 19.383 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39629		
166	130.7	103.3	154.9	
129	94.1	73.8	110.8	
131	90.1	72.0	108.0	





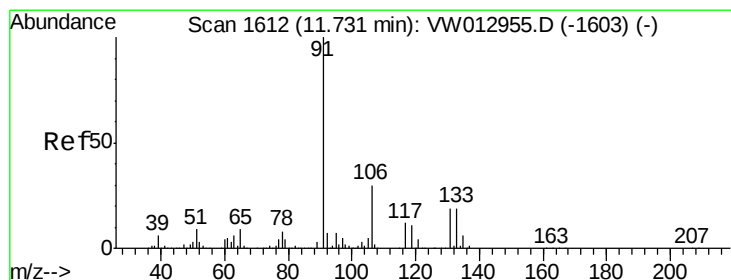
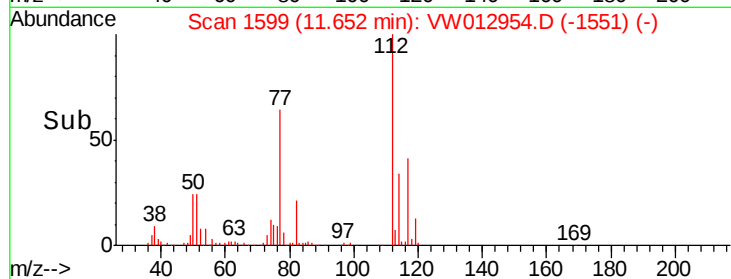
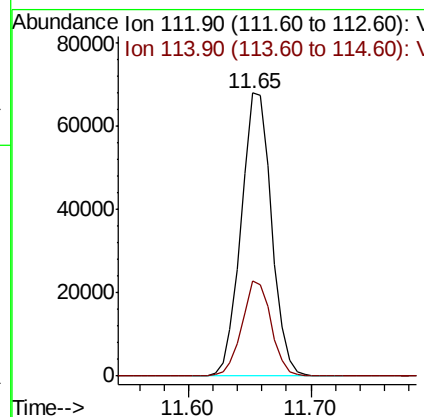
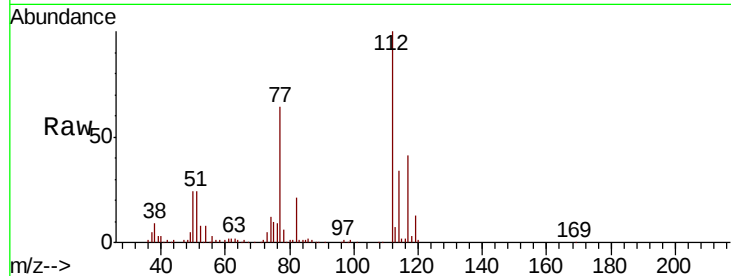
#65
Chlorobenzene
Concen: 19.063 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	116697		
114	33.5	26.4	39.6	

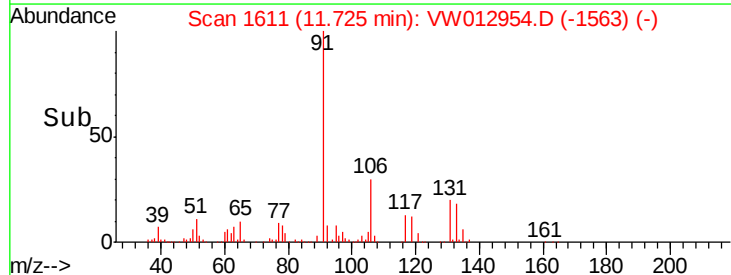
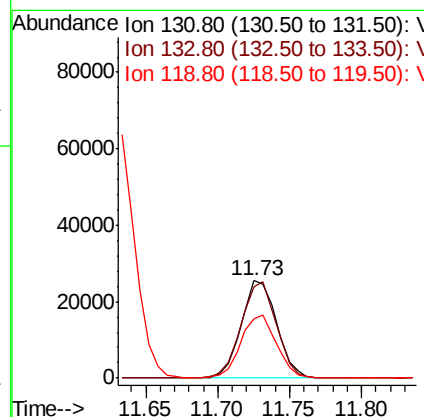
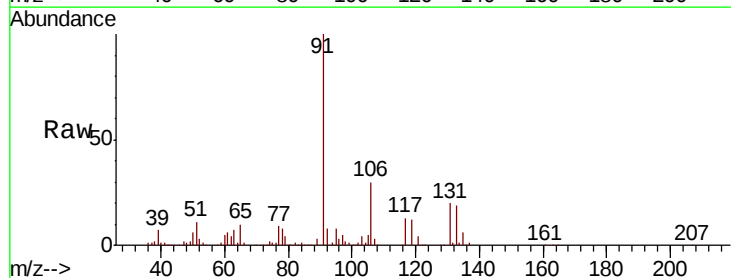
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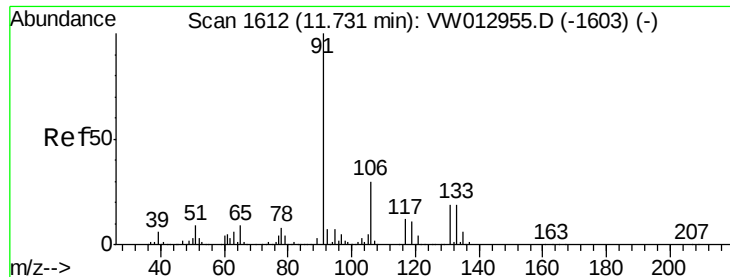
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.622 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	43684		
133	97.9	47.9	143.8	
119	64.4	30.9	92.7	





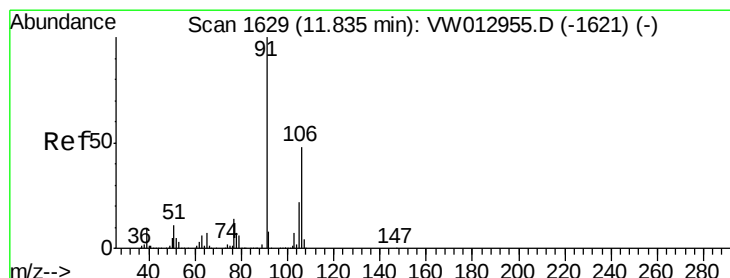
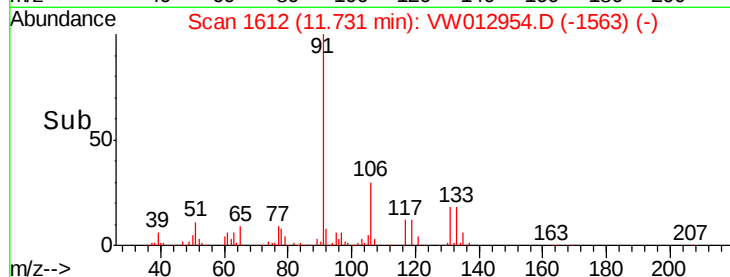
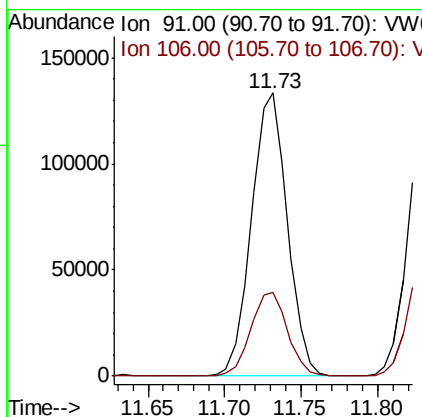
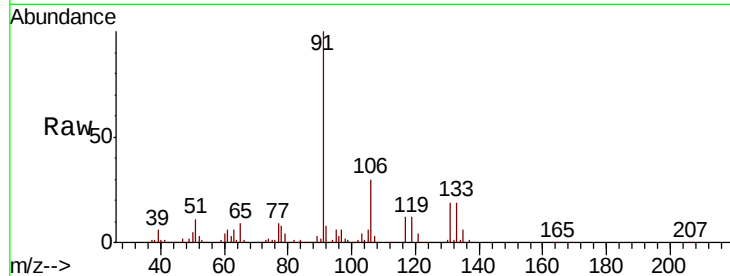
#67
Ethyl Benzene
Concen: 19.240 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion: 91 Resp: 217524
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5

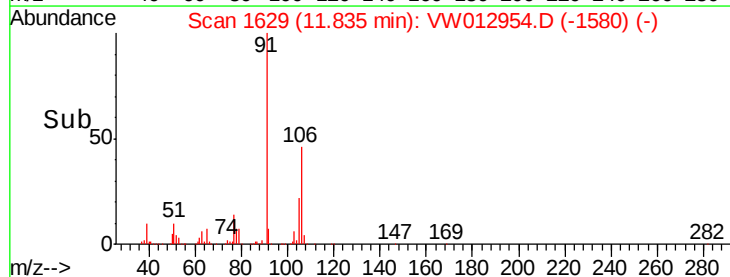
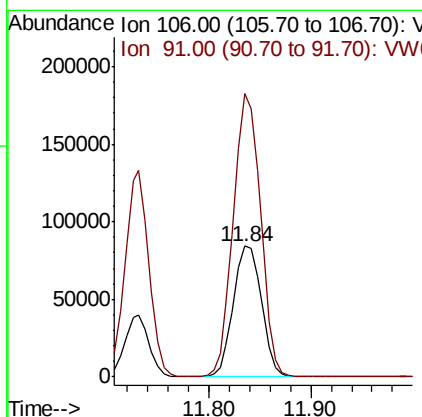
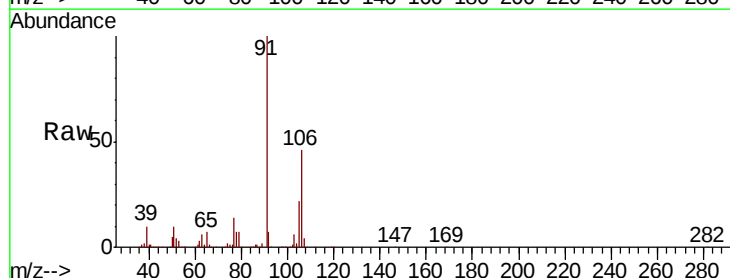
Manual Integrations
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#68
m/p-Xylenes
Concen: 39.051 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion: 106 Resp: 161284
Ion Ratio Lower Upper
106 100
91 209.2 165.8 248.8





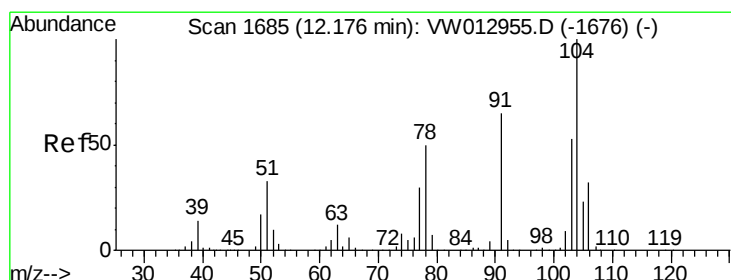
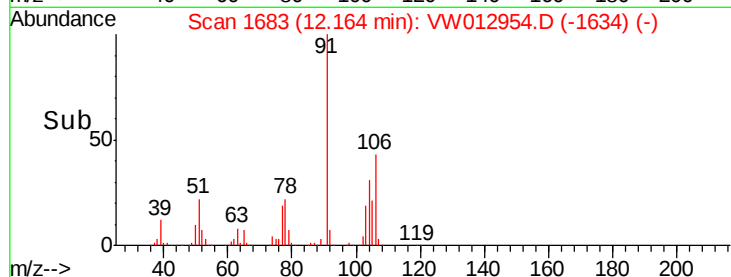
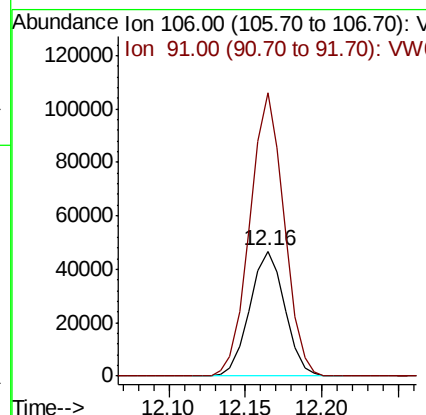
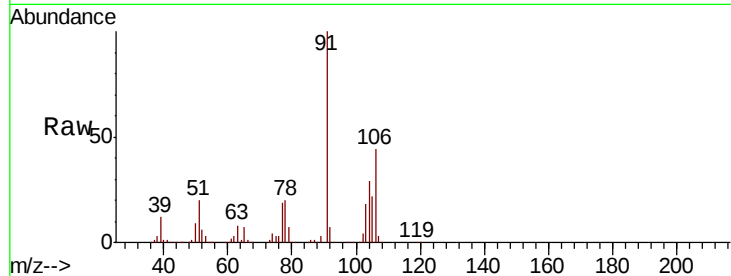
#69
o-Xylene
Concen: 19.322 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 74815
Ion Ratio Lower Upper
106 100
91 221.2 109.7 329.0

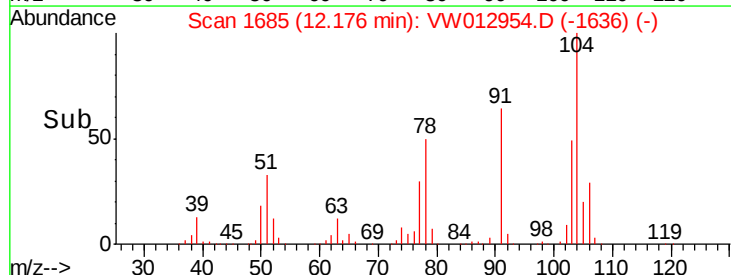
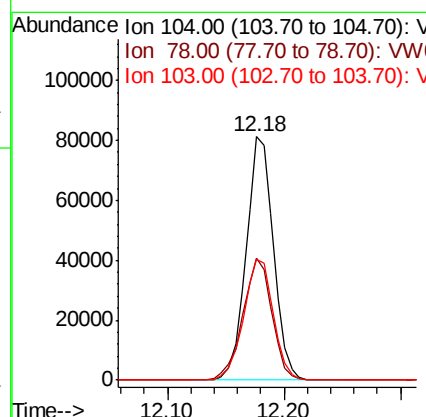
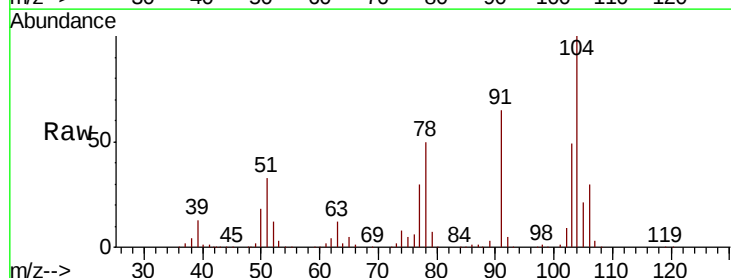
Manual Integrations
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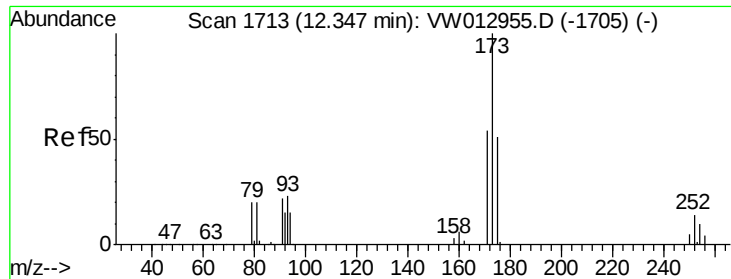
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#70
Styrene
Concen: 19.320 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion:104 Resp: 133076
Ion Ratio Lower Upper
104 100
78 53.3 42.1 63.1
103 53.9 44.2 66.4





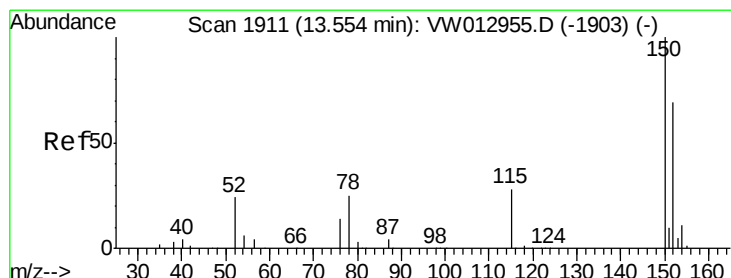
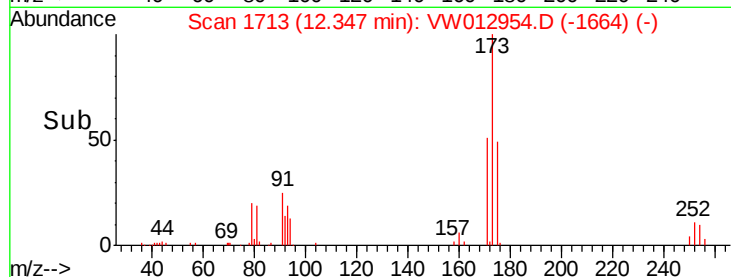
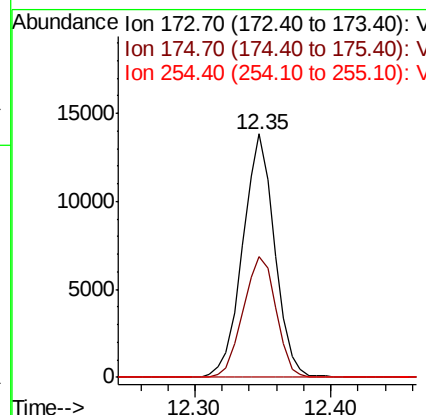
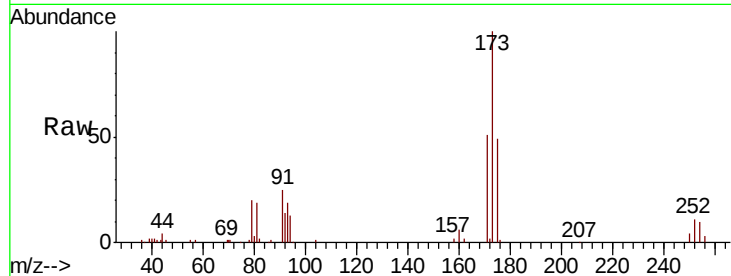
#71
Bromoform
Concen: 18.419 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.2	72.6
254	0.0	0.1	0.1#

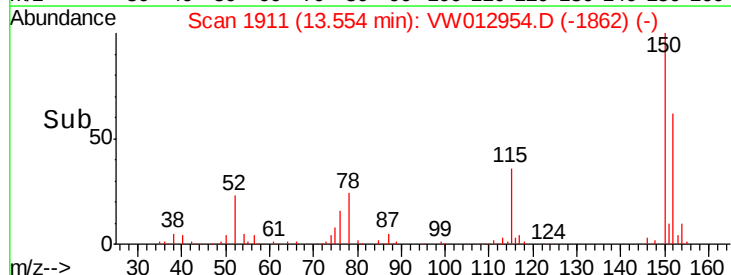
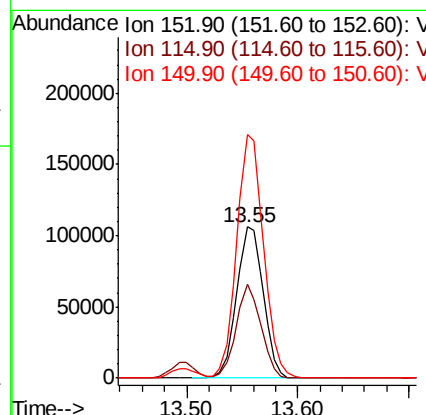
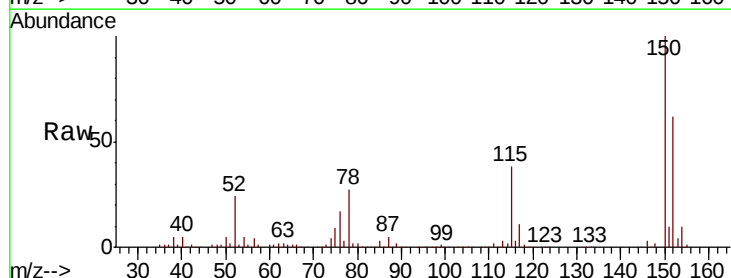
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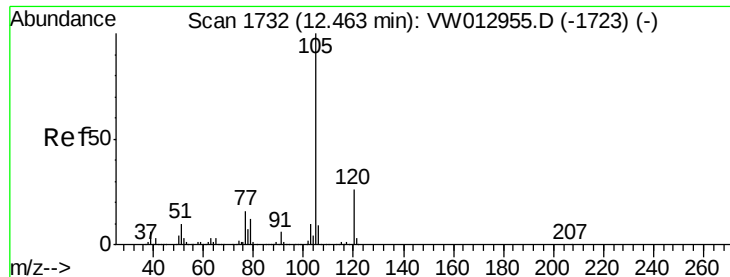
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.8	86.4
150	163.3	0.0	340.2





#73

Isopropylbenzene

Concen: 19.201 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 222631

Ion Ratio Lower Upper

105 100

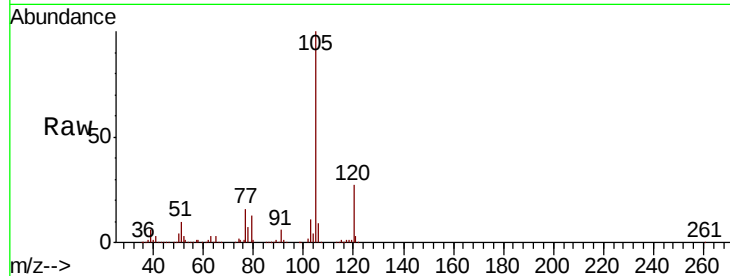
120 25.9 13.0 39.0

Manual Integrations

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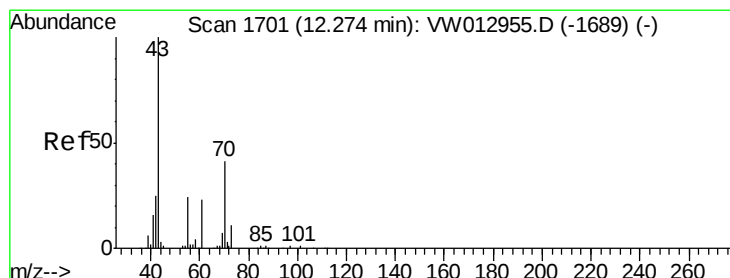
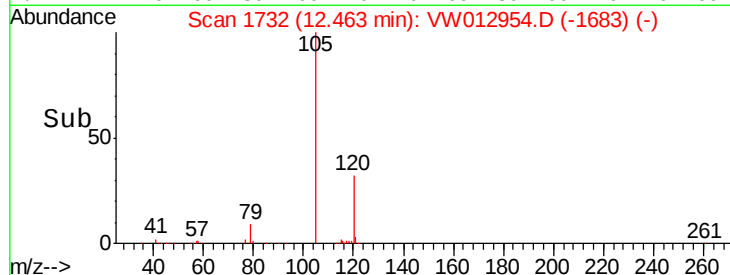
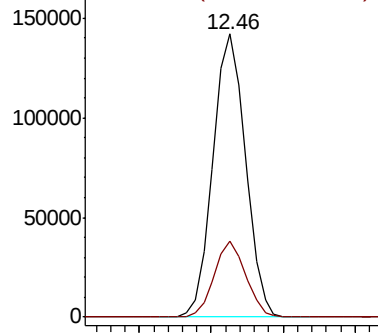
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.245 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion: 43 Resp: 54418

Ion Ratio Lower Upper

43 100

70 37.9 31.7 47.5

55 24.2 19.4 29.2

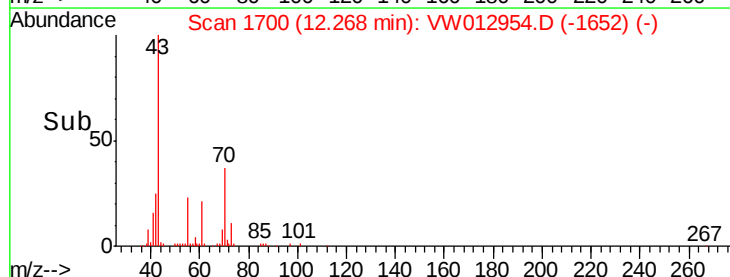
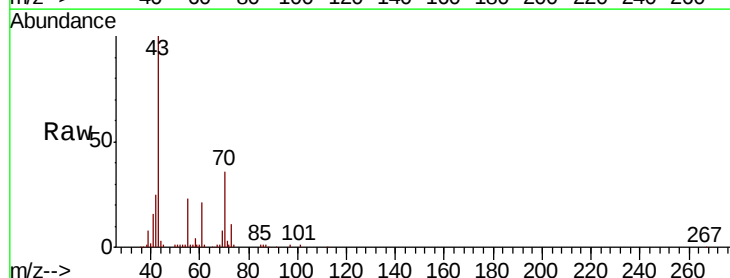
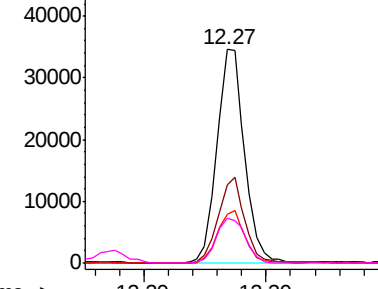
61 22.2 18.7 28.1

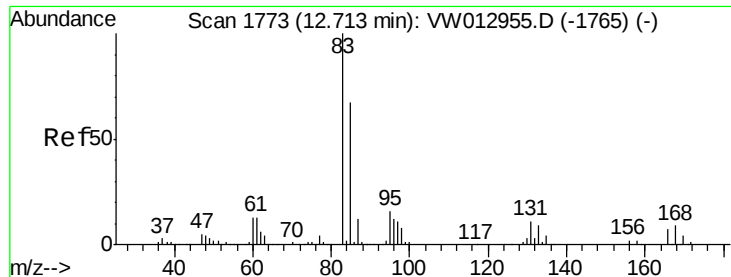
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 18.203 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 37071

Ion Ratio Lower Upper

83 100

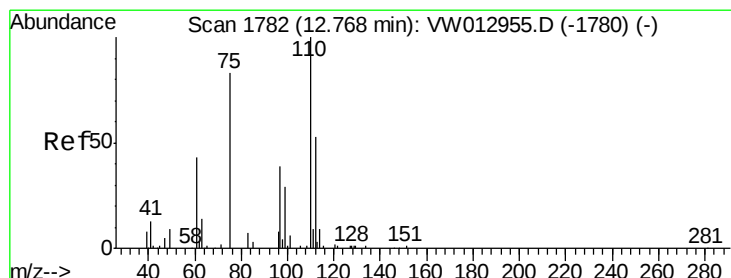
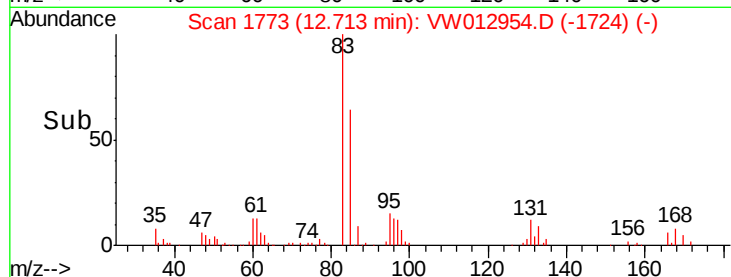
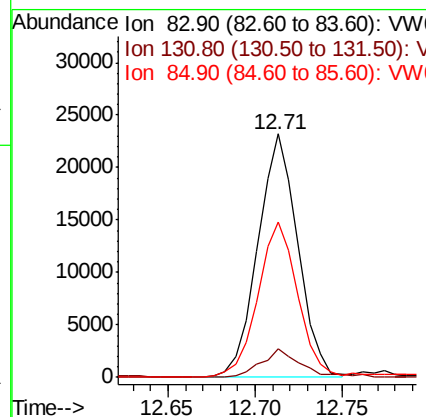
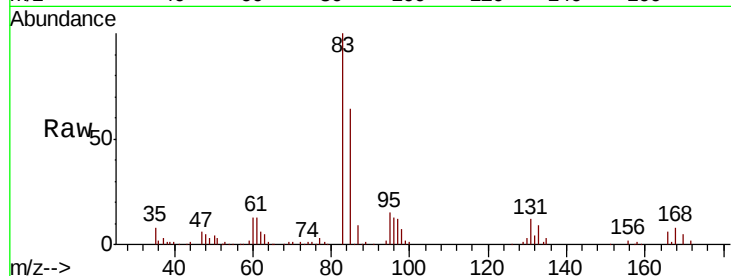
131 11.6 5.7 17.1

85 64.2 31.4 94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.626 ug/l m

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW012954.D

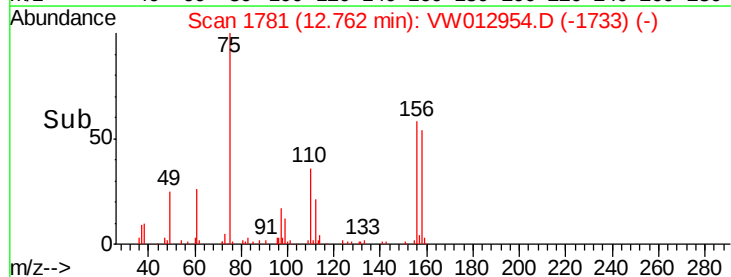
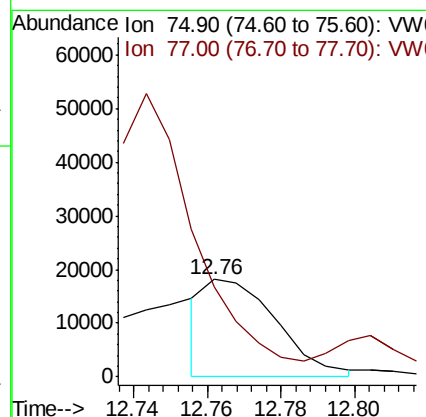
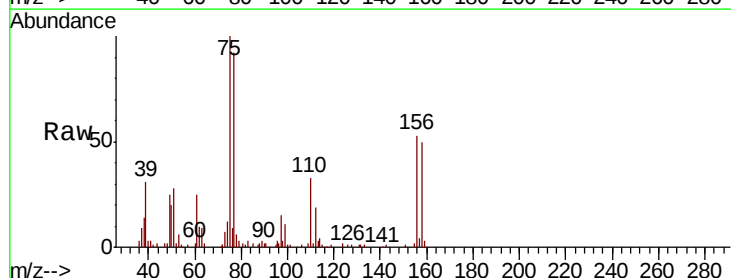
Acq: 13 Sep 2019 14:58

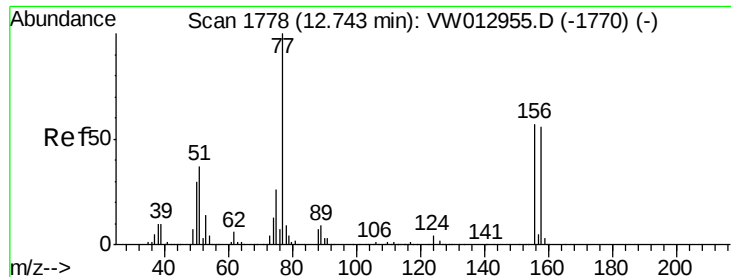
Tgt Ion: 75 Resp: 24540

Ion Ratio Lower Upper

75 100

77 377.7 0.0 0.0#





#77

Bromobenzene

Concen: 18.664 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

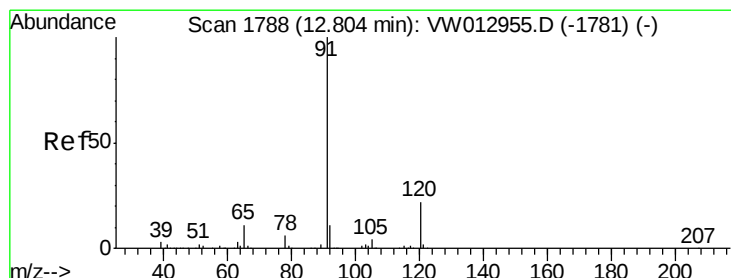
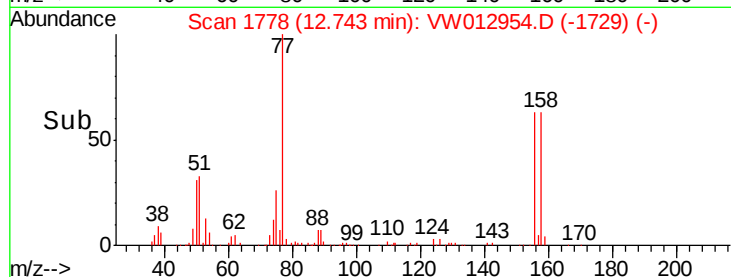
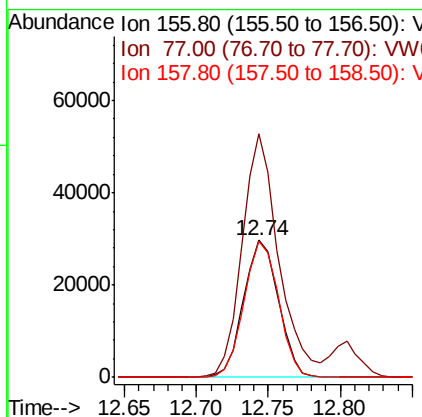
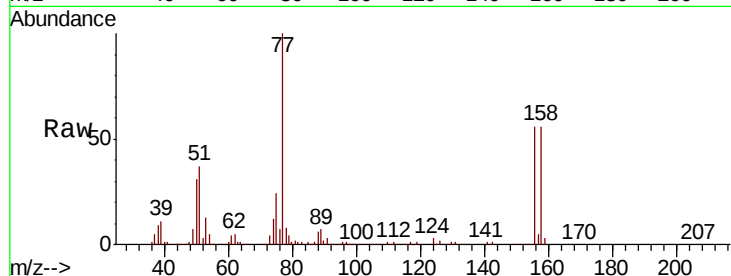
ClientSampled :

VSTDIC020

Tgt Ion:	156	Resp:	49854
Ion Ratio	Lower	Upper	
156	100		
77	185.9	95.2	285.6
158	98.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 18.926 ug/l

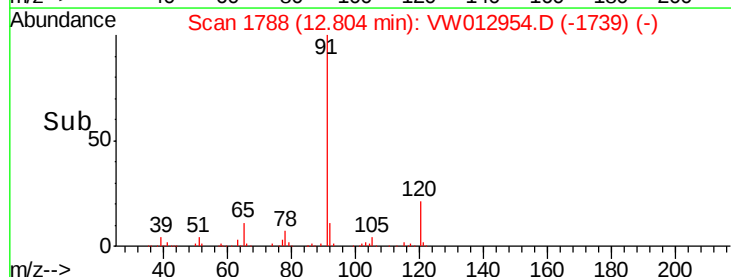
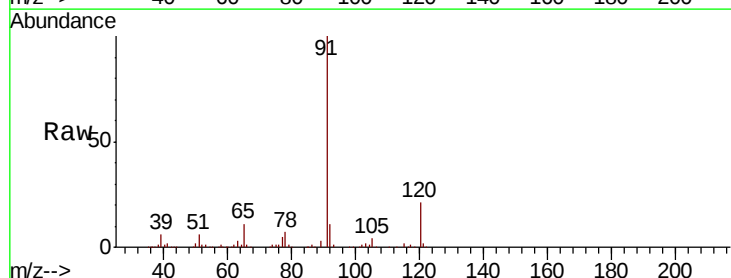
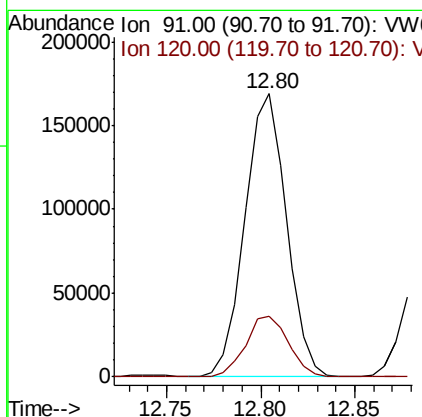
RT: 12.80 min Scan# 1788

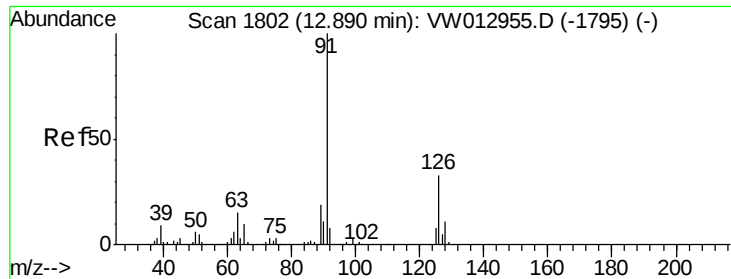
Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	91	Resp:	258134
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 18.964 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tgt Ion: 91 Resp: 148687

Ion Ratio Lower Upper

91 100

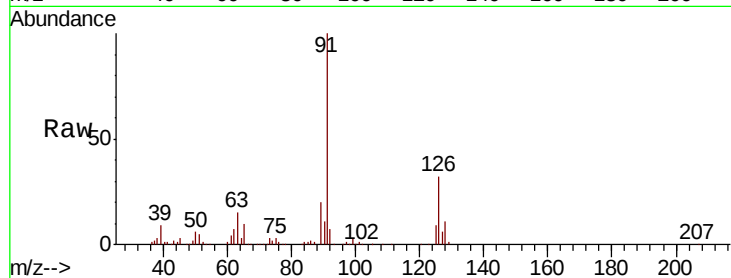
126 32.1 16.5 49.5

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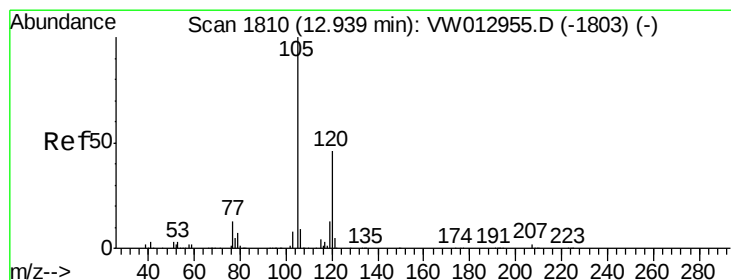
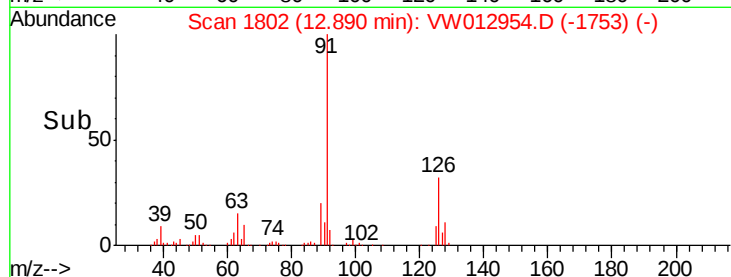
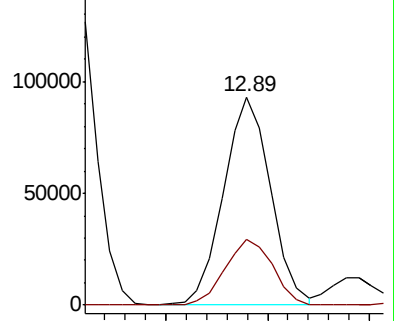
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.343 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012954.D

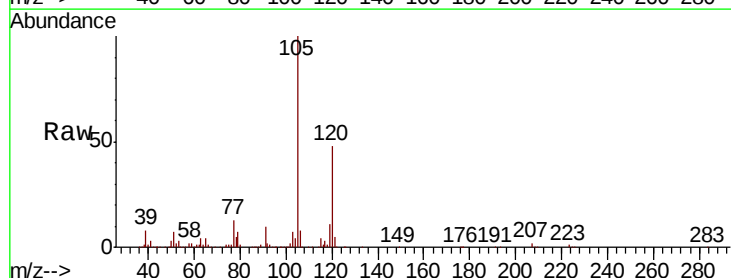
Acq: 13 Sep 2019 14:58

Tgt Ion: 105 Resp: 189741

Ion Ratio Lower Upper

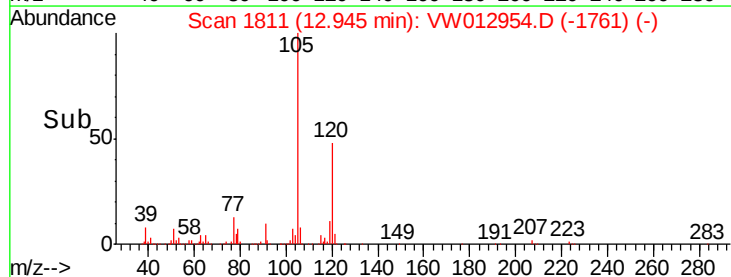
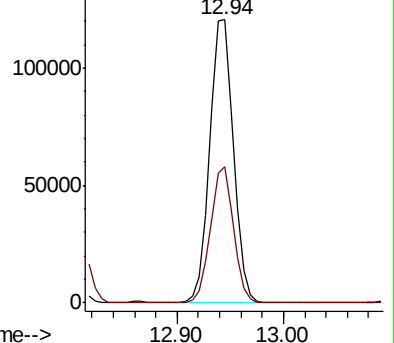
105 100

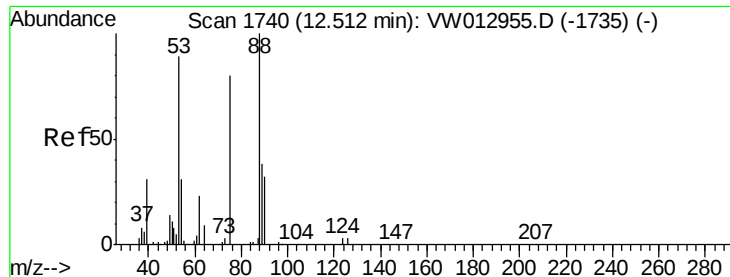
120 46.8 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





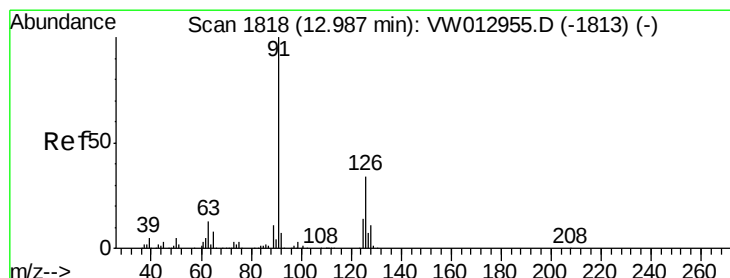
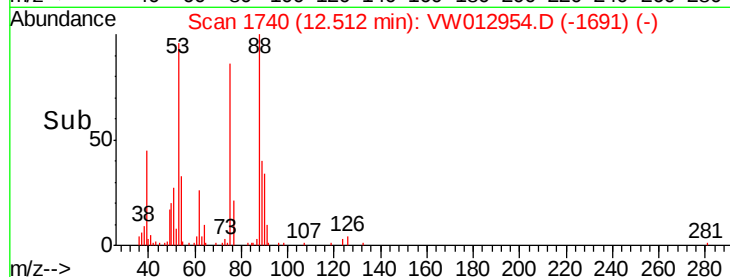
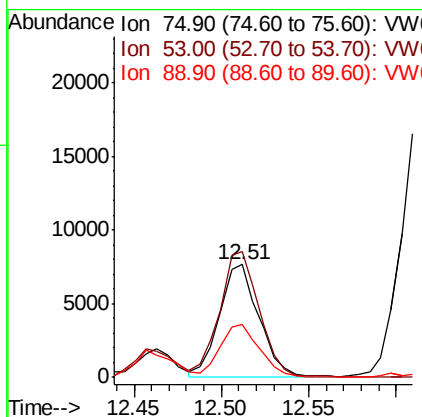
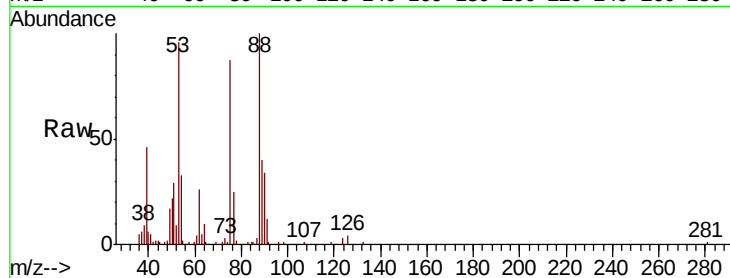
#81
trans-1,4-Dichloro-2-butene
Concen: 17.896 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	112.2	85.6	128.4
89	45.9	37.2	55.8

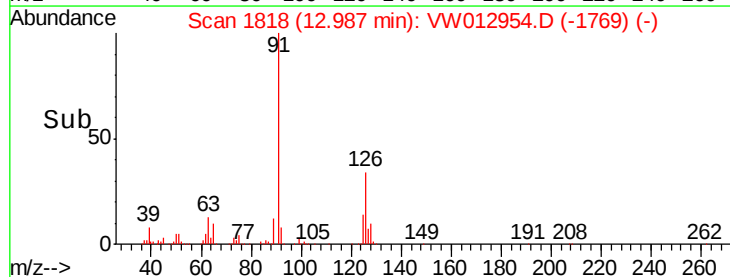
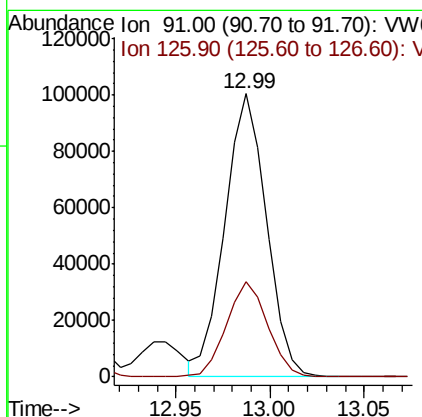
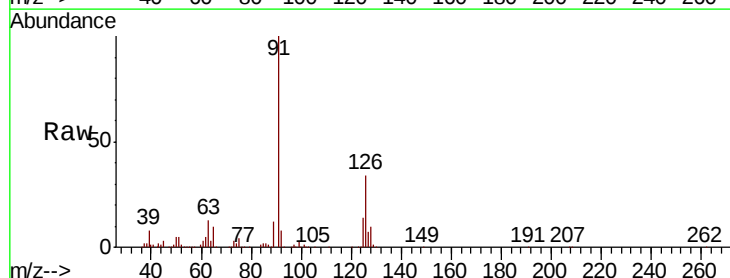
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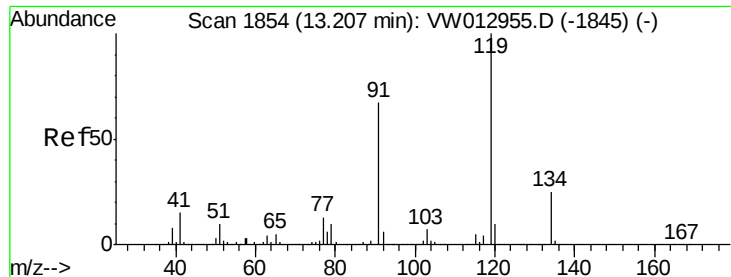
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.555 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.1	48.3





#83

tert-Butylbenzene

Concen: 18.959 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

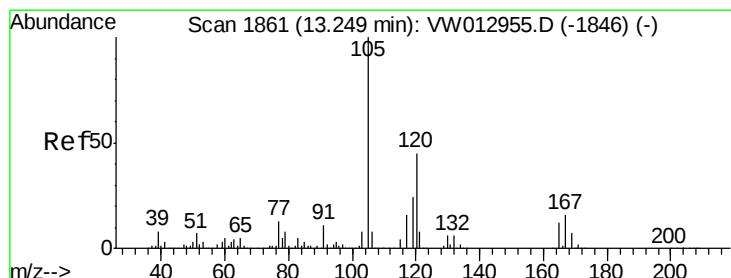
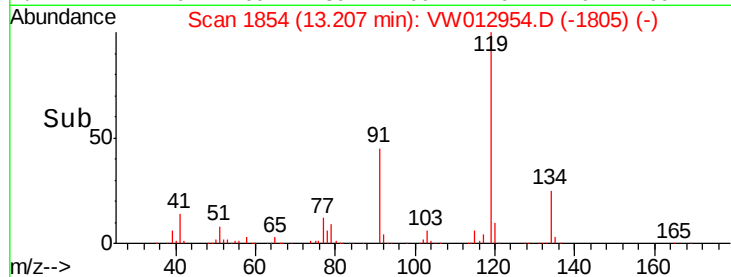
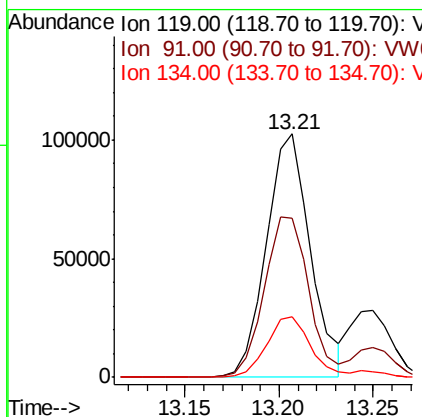
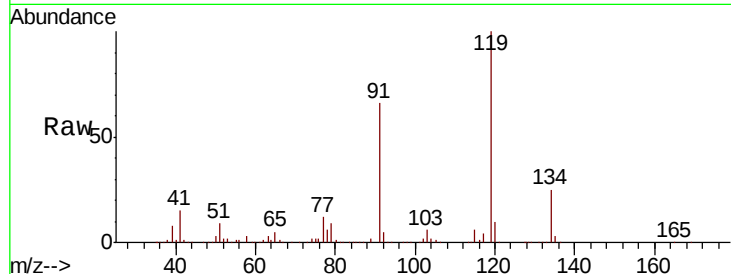
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	166346		
91	66.6	32.6	98.0	
134	24.9	12.4	37.4	

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#84

1,2,4-Trimethylbenzene

Concen: 19.339 ug/l

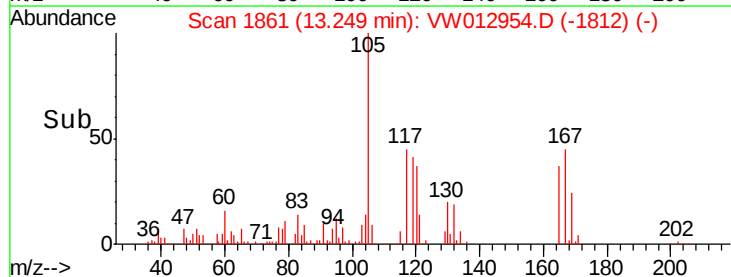
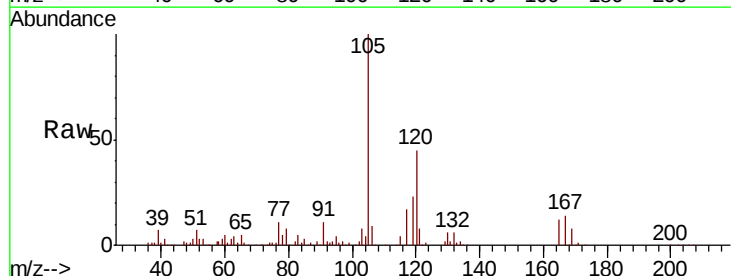
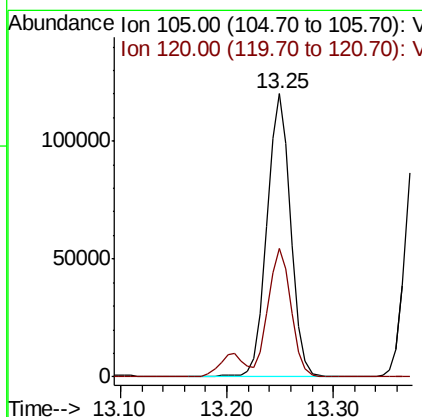
RT: 13.25 min Scan# 1861

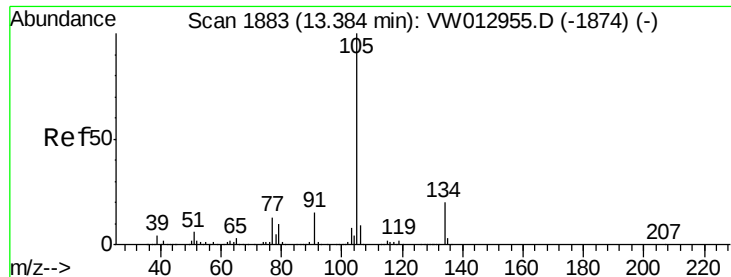
Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187458		
120	43.7	21.9	65.7	





#85

sec-Butylbenzene

Concen: 18.914 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 226095

Ion Ratio Lower Upper

105 100

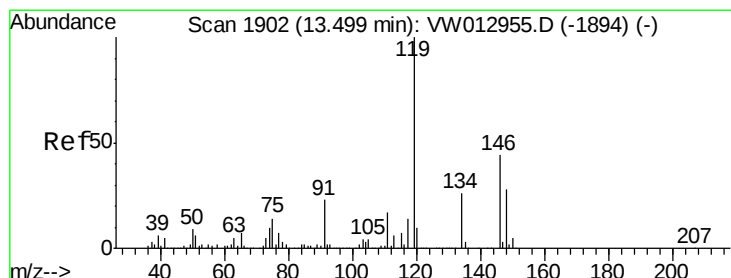
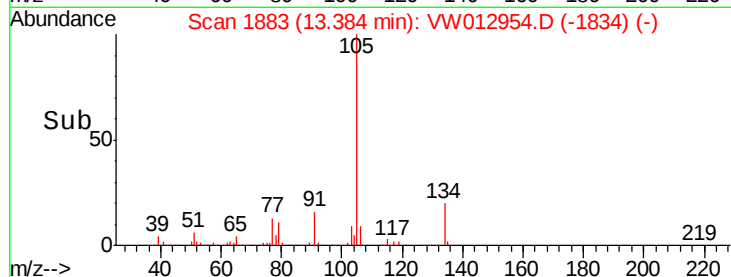
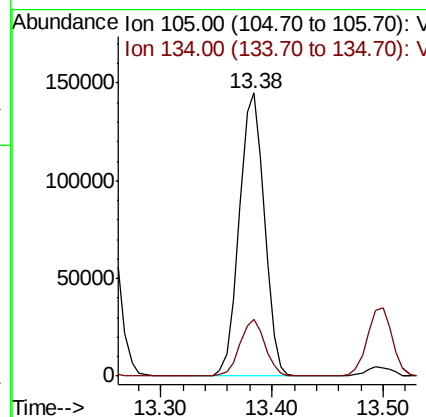
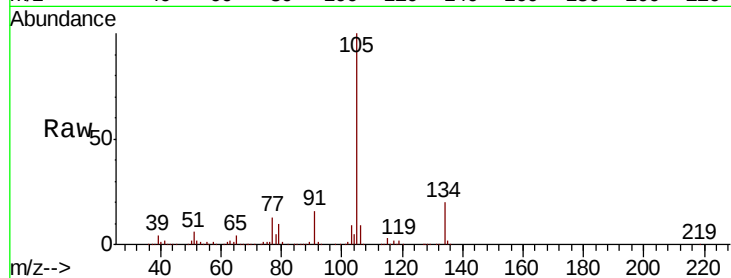
134 20.0 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 19.090 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

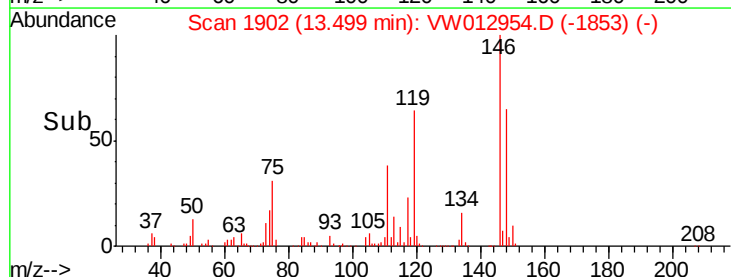
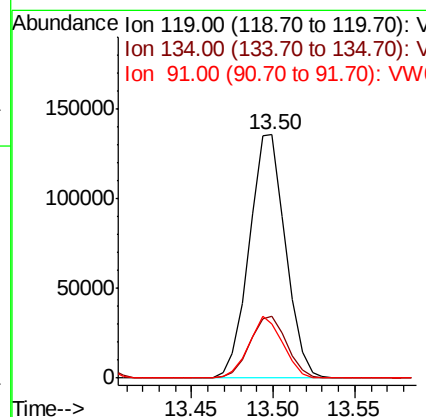
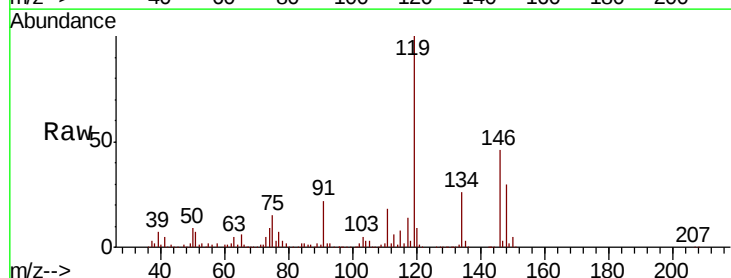
Tgt Ion:119 Resp: 209521

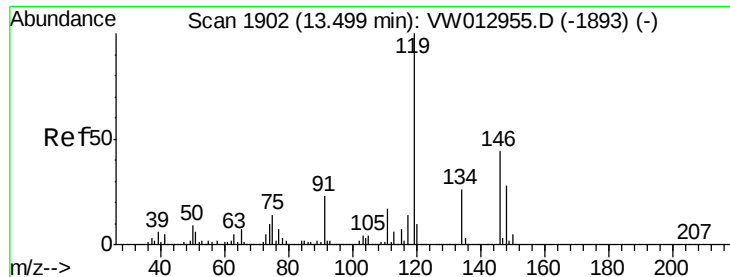
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 23.9 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 18.714 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

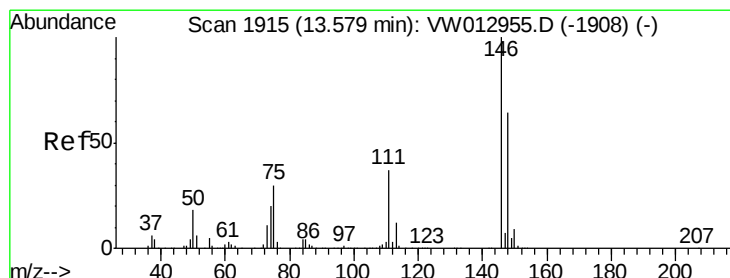
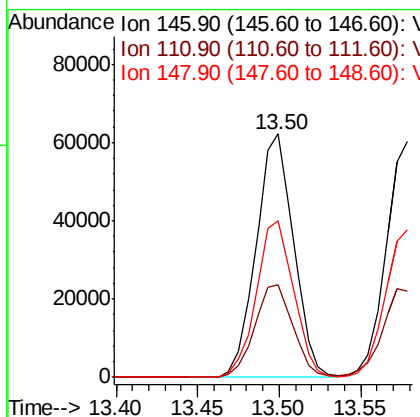
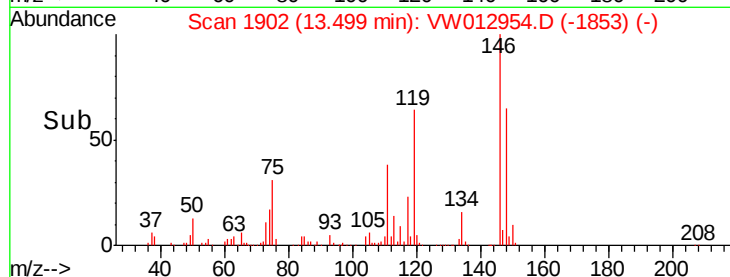
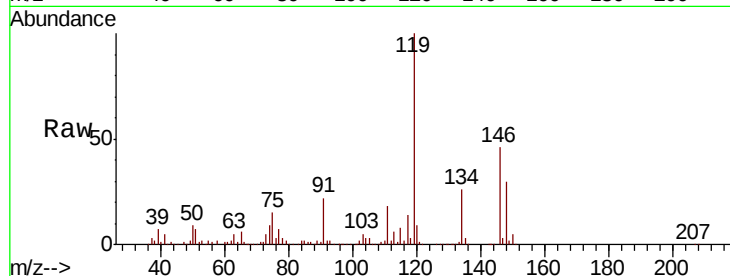
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	98957
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.8	59.4
148	64.3	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 18.642 ug/l

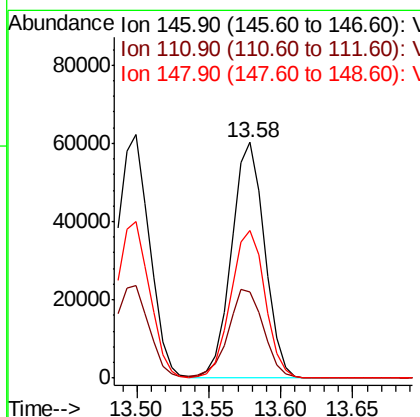
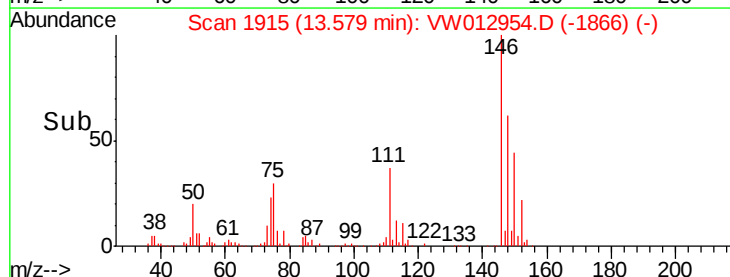
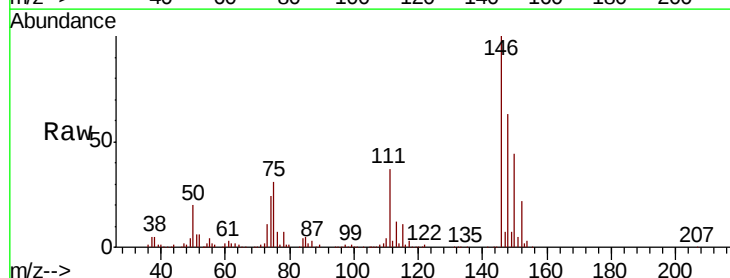
RT: 13.58 min Scan# 1915

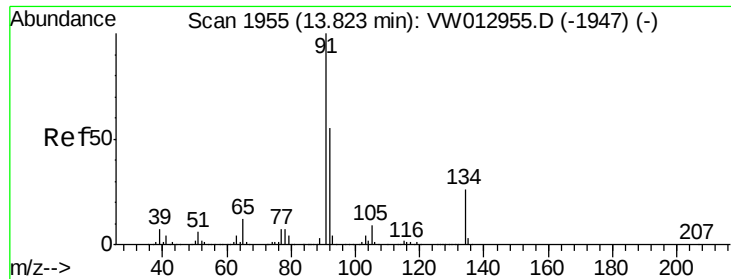
Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	146	Resp:	96868
Ion Ratio	Lower	Upper	
146	100		
111	40.2	19.4	58.2
148	65.2	31.9	95.5





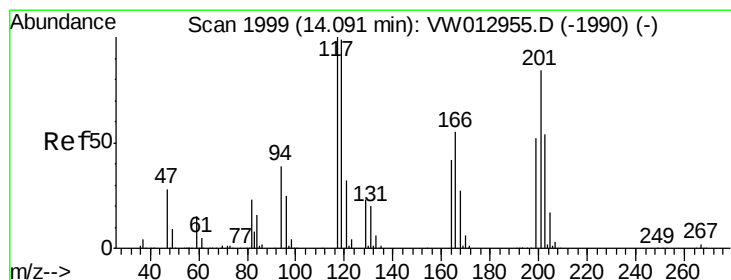
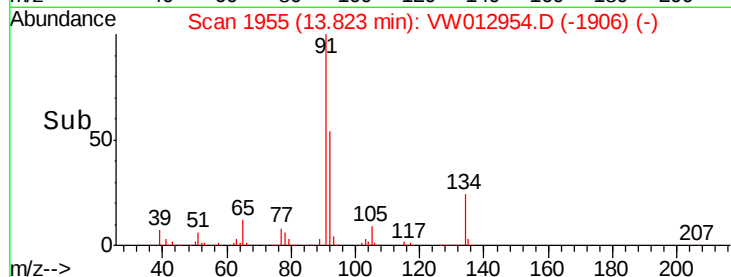
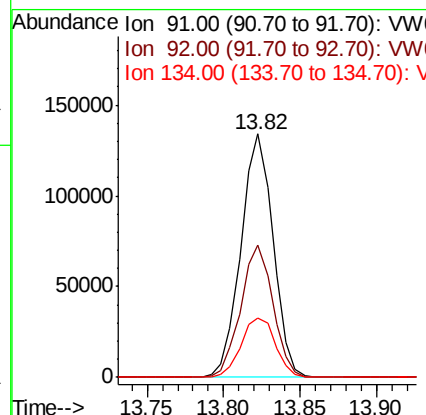
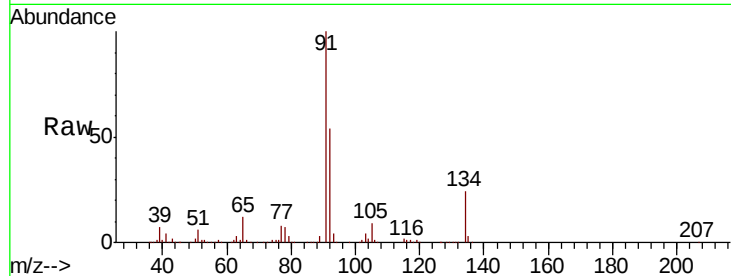
#89
n-Butylbenzene
Concen: 18.968 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	196333		
92	54.3	27.2	81.5	
134	26.0	13.1	39.1	

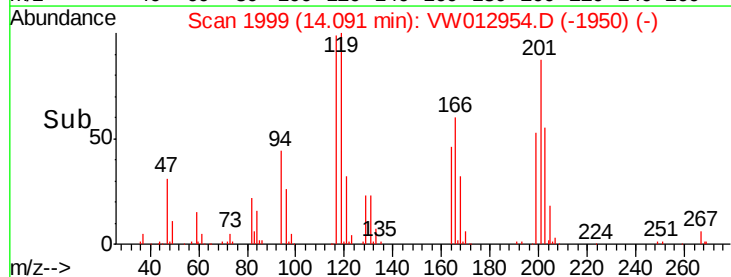
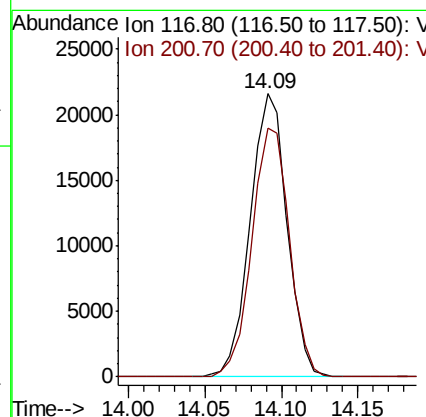
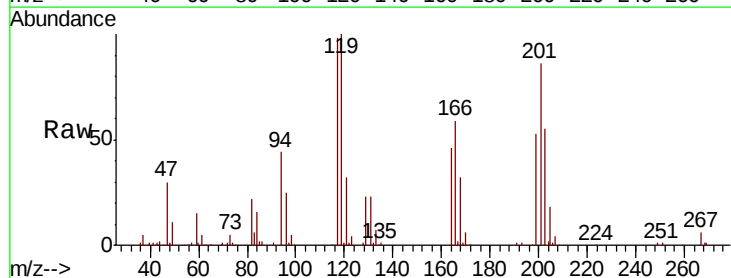
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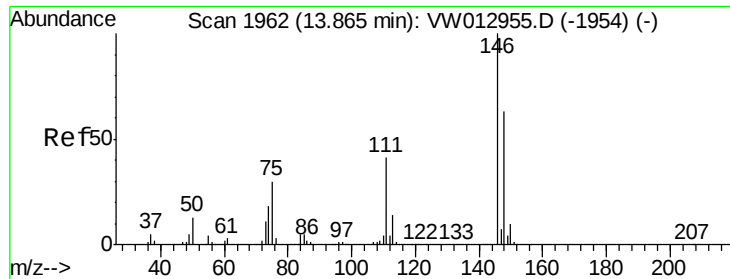
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#90
Hexachloroethane
Concen: 18.409 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012954.D
Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36207		
201	89.5	45.3	135.9	





#91

1,2-Dichlorobenzene

Concen: 18.744 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

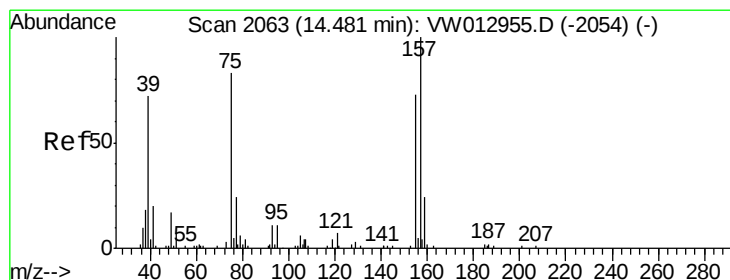
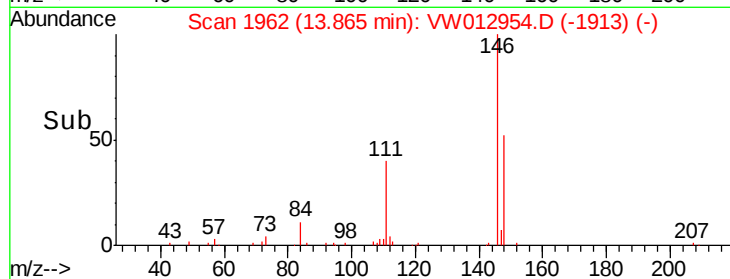
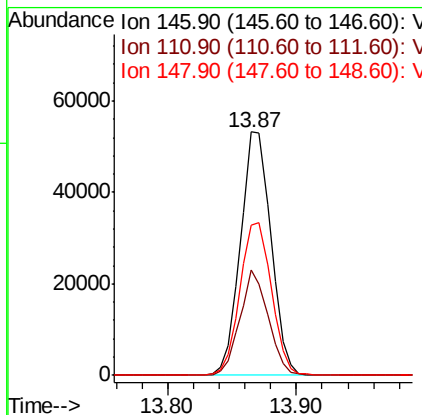
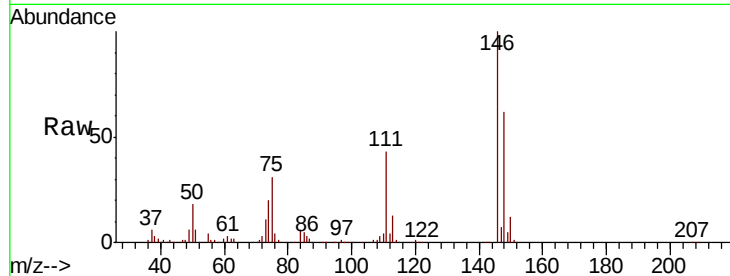
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	87163
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.8	62.5
148	64.6	32.7	98.1

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.955 ug/l

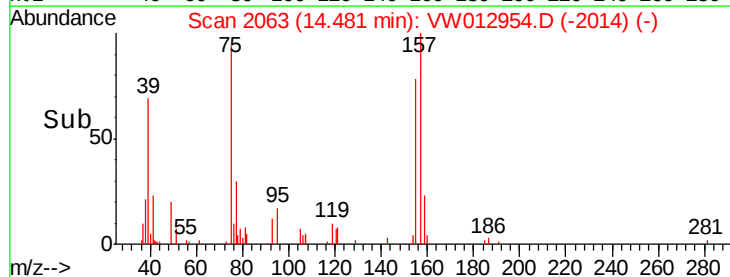
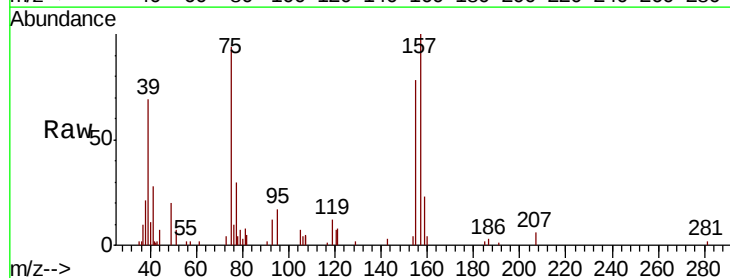
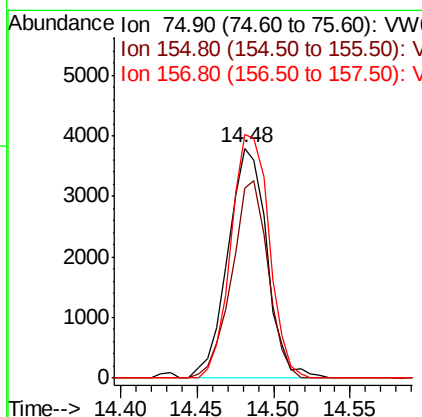
RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	75	Resp:	6693
Ion Ratio	Lower	Upper	
75	100		
155	79.9	43.3	129.9
157	104.0	54.7	164.1





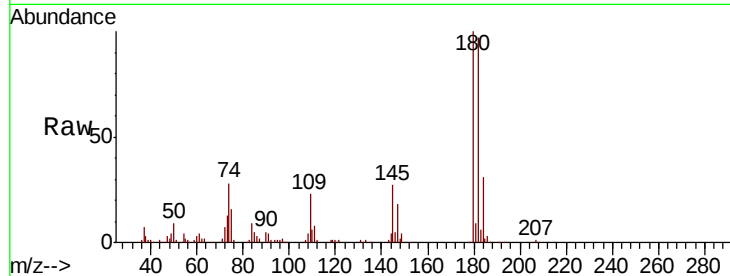
#93
 1,2,4-Trichlorobenzene
 Concen: 18.590 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61649		
182	95.9	47.4	142.2	
145	29.5	14.9	44.7	

Manual Integrations
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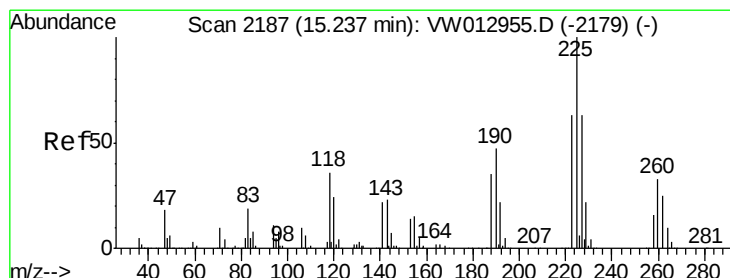
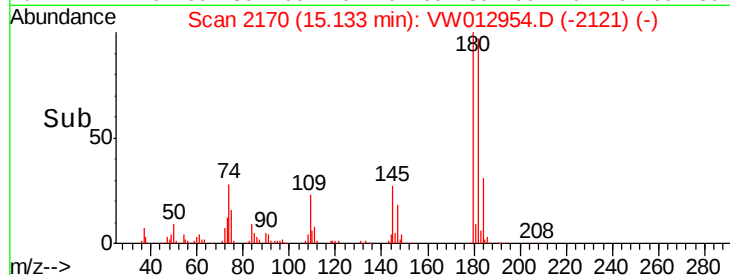
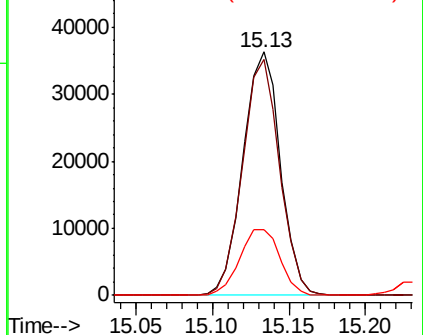


Abundance

Ion 179.80 (179.50 to 180.50): V

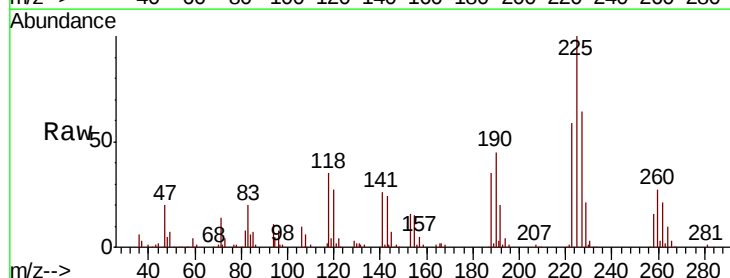
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.275 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012954.D
 Acq: 13 Sep 2019 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45251		
223	62.0	31.8	95.3	
227	64.2	31.3	93.8	

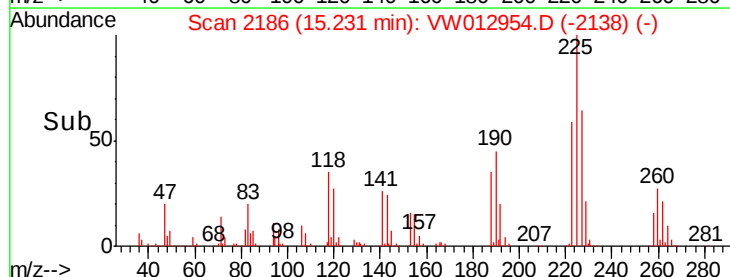
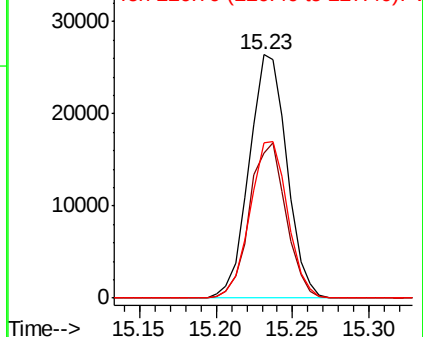


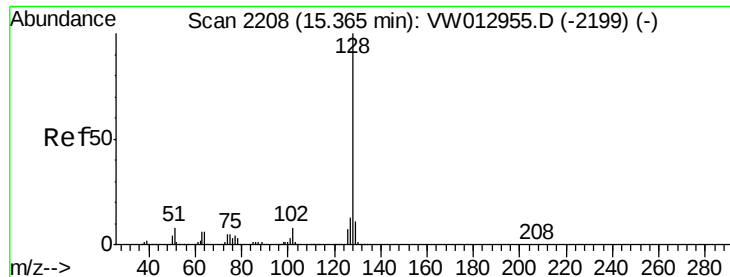
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.707 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Instrument :

MSVOA_W

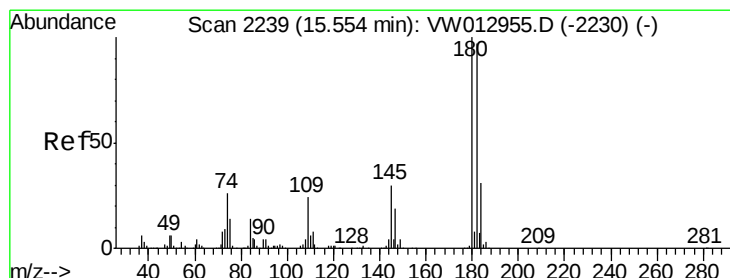
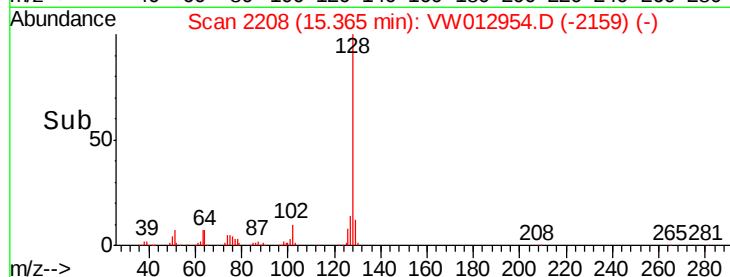
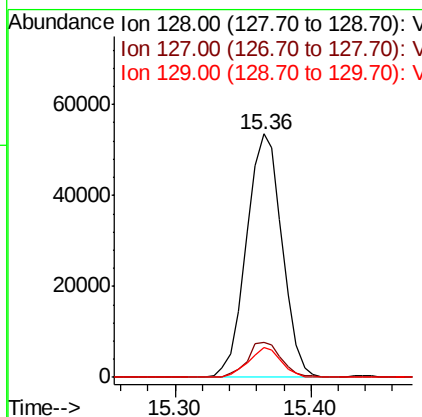
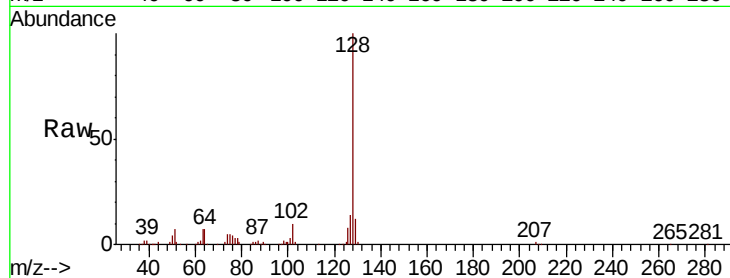
ClientSampleId :

VSTDIC020

Tgt Ion:	128	Resp:	98117
Ion Ratio	Lower	Upper	
128	100		
127	13.9	11.0	16.6
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:43:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.684 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW012954.D

Acq: 13 Sep 2019 14:58

Tgt Ion:	180	Resp:	54773
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.6	142.8
145	30.6	15.4	46.2

