

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013399.D
 Acq On : 03 Oct 2019 01:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:10:55 PM

Quant Time: Oct 04 08:14:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	296308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	122055	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
35) Dibromofluoromethane	7.88	113	118634	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
50) Toluene-d8	10.32	98	494342	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.62	95	168465	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	57207	49.916	ug/l	95
3) Chloromethane	2.20	50	87317	46.170	ug/l	100
4) Vinyl Chloride	2.36	62	129347	48.191	ug/l	99
5) Bromomethane	2.76	94	78232	47.442	ug/l	91
6) Chloroethane	2.92	64	70860	45.720	ug/l	96
7) Trichlorofluoromethane	3.25	101	48667	41.794	ug/l	95
8) Diethyl Ether	3.68	74	66703	49.491	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128404	49.737	ug/l	99
10) Methyl Iodide	4.27	142	198396	47.586	ug/l	99
11) Tert butyl alcohol	5.17	59	57340	316.367	ug/l	100
12) 1,1-Dichloroethene	4.04	96	133864	49.077	ug/l	98
13) Acrolein	3.89	56	52029	233.327	ug/l	96
14) Allyl chloride	4.66	41	182973	45.346	ug/l	98
15) Acrylonitrile	5.36	53	173025	283.985	ug/l	98
16) Acetone	4.12	43	139386	205.536	ug/l	95
17) Carbon Disulfide	4.38	76	368617	48.442	ug/l	98
18) Methyl Acetate	4.67	43	91612	57.717	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	206261	51.378	ug/l	100
20) Methylene Chloride	4.92	84	134147	47.286	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	134410	46.272	ug/l	98
22) Diisopropyl ether	6.31	45	378221	48.537	ug/l	97
23) Vinyl Acetate	6.25	43	1200335	256.710	ug/l	98
24) 1,1-Dichloroethane	6.21	63	224934	47.391	ug/l	99
25) 2-Butanone	7.17	43	229357	264.311	ug/l	95
26) 2,2-Dichloropropane	7.16	77	121534	44.059	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	145304	47.789	ug/l	97
28) Bromochloromethane	7.51	49	96551	56.263	ug/l	93
29) Tetrahydrofuran	7.52	42	150887	297.053	ug/l	97
30) Chloroform	7.67	83	218365	46.920	ug/l	100
31) Cyclohexane	7.95	56	238552	47.129	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	178324	48.908	ug/l	99
36) 1,1-Dichloropropene	8.08	75	188058	48.294	ug/l	98
37) Ethyl Acetate	7.24	43	99397	57.811	ug/l	98
38) Carbon Tetrachloride	8.06	117	169128	50.139	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	256299	49.977	ug/l	99
40) Benzene	8.32	78	528297	47.926	ug/l	100
41) Methacrylonitrile	7.48	41	61100	58.964	ug/l	96
42) 1,2-Dichloroethane	8.40	62	144367	50.957	ug/l	98
43) Isopropyl Acetate	8.42	43	180766	55.885	ug/l	98
44) Trichloroethene	9.09	130	150430	48.461	ug/l	94
45) 1,2-Dichloropropane	9.37	63	130320	49.239	ug/l	95
46) Dibromomethane	9.46	93	67568	51.255	ug/l	96
47) Bromodichloromethane	9.64	83	160415	49.431	ug/l	93
48) Methyl methacrylate	9.43	41	90218	58.049	ug/l	96
49) 1,4-Dioxane	9.45	88	28672	1419.113	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	480329	282.640	ug/l	97
52) Toluene	10.38	92	344135	48.402	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	167816	49.715	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	198371	48.470	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	102618	52.181	ug/l	98
56) Ethyl methacrylate	10.64	69	145787	55.077	ug/l	97
57) 1,3-Dichloropropane	10.93	76	178051	52.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	325773	299.611	ug/l	99
59) 2-Hexanone	10.97	43	330584	280.649	ug/l	98
60) Dibromochloromethane	11.13	129	117276	52.128	ug/l	98
61) 1,2-Dibromoethane	11.23	107	101386	53.353	ug/l	100
64) Tetrachloroethene	10.86	164	141987	50.863	ug/l	99
65) Chlorobenzene	11.66	112	352178	46.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	123865	48.378	ug/l	99
67) Ethyl Benzene	11.73	91	654782	48.600	ug/l	99
68) m/p-Xylenes	11.84	106	502990	96.722	ug/l	99
69) o-Xylene	12.16	106	232230	48.299	ug/l	96
70) Styrene	12.18	104	406949	49.512	ug/l	99
71) Bromoform	12.35	173	75437	54.344	ug/l #	100
73) Isopropylbenzene	12.46	105	652955	47.843	ug/l	99
74) N-amyl acetate	12.27	43	161459	55.589	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123987	53.674	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	77788m	46.909	ug/l	
77) Bromobenzene	12.74	156	156683	47.812	ug/l	99
78) n-propylbenzene	12.80	91	757010	48.220	ug/l	99
79) 2-Chlorotoluene	12.89	91	417287	47.856	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	546170	48.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38785	49.759	ug/l	94
82) 4-Chlorotoluene	12.99	91	434214	47.538	ug/l	99
83) tert-Butylbenzene	13.21	119	490868	49.570	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	531883	47.193	ug/l	99
85) sec-Butylbenzene	13.38	105	674504	49.403	ug/l	100
86) p-Isopropyltoluene	13.50	119	613043	48.451	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	288259	46.754	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	288153	46.678	ug/l	99
89) n-Butylbenzene	13.82	91	554639	48.621	ug/l	100
90) Hexachloroethane	14.09	117	104163	49.829	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	259075	47.535	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20556	59.493	ug/l	93

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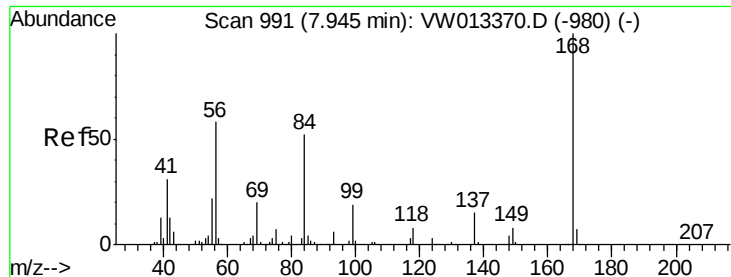
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	185278	47.369	ug/l	99
94) Hexachlorobutadiene	15.23	225	126749	49.884	ug/l	99
95) Naphthalene	15.36	128	369273	55.966	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	169408	49.607	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 296308

Ion Ratio Lower Upper

168 100

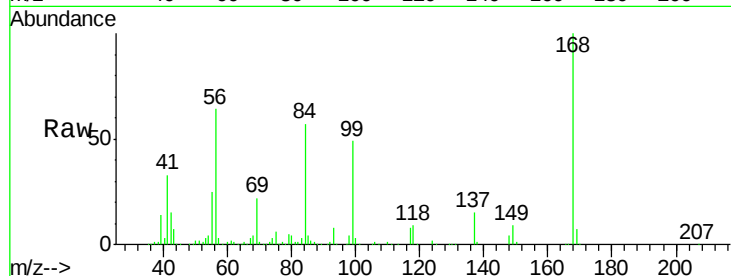
99 49.4 40.2 60.4

Manual Integrations

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10/4/2019 12:10:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

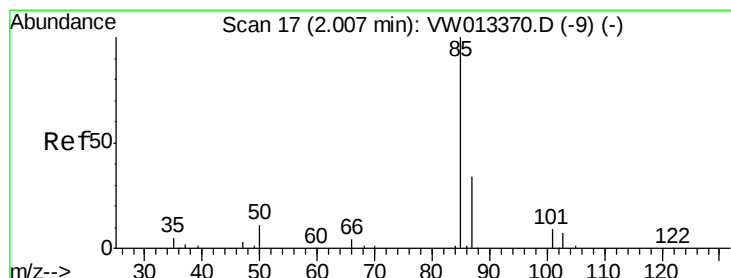
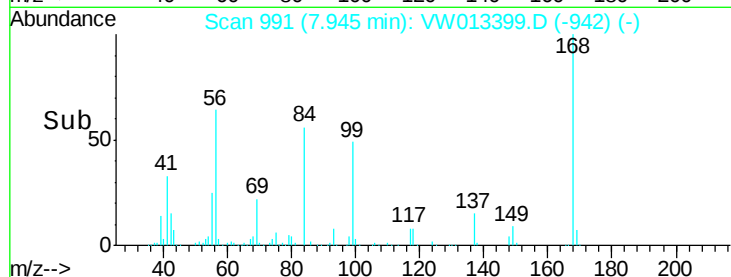
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.916 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013399.D

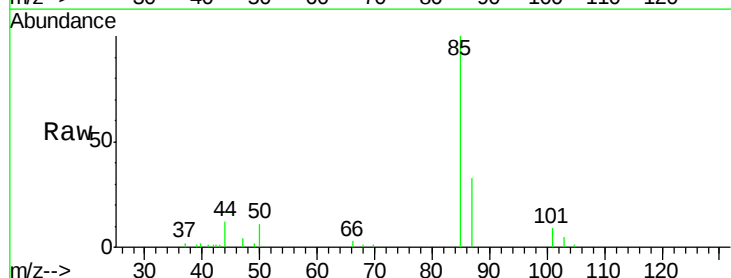
Acq: 03 Oct 2019 01:08

Tgt Ion: 85 Resp: 57207

Ion Ratio Lower Upper

85 100

87 33.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

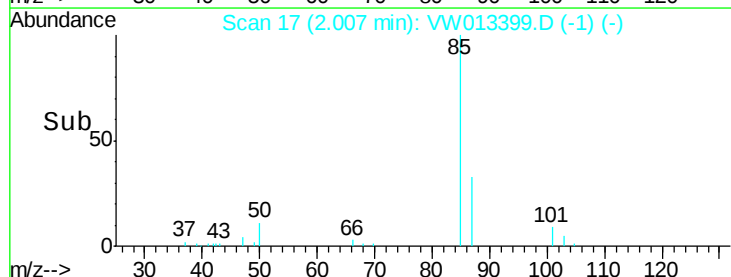
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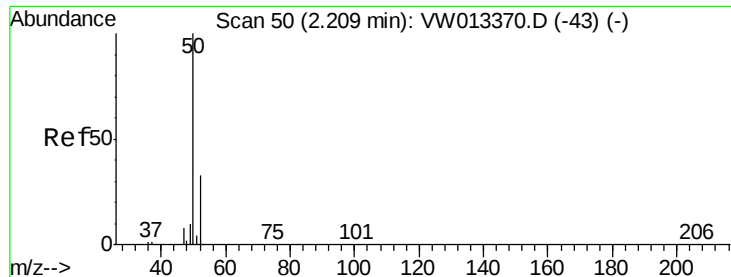
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 46.170 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 87317

Ion Ratio Lower Upper

50 100

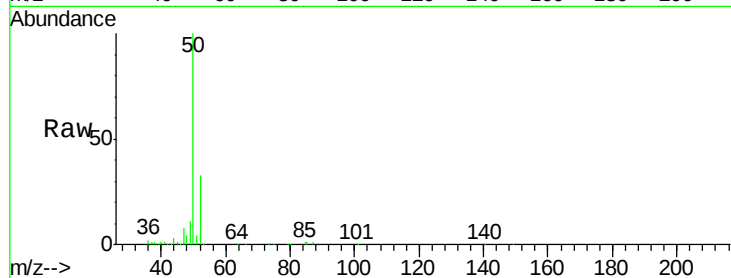
52 32.6 26.1 39.1

Manual Integrations

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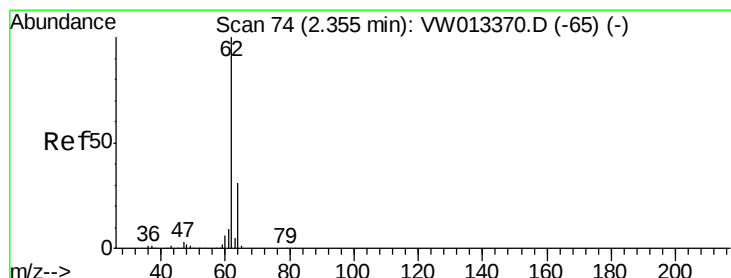
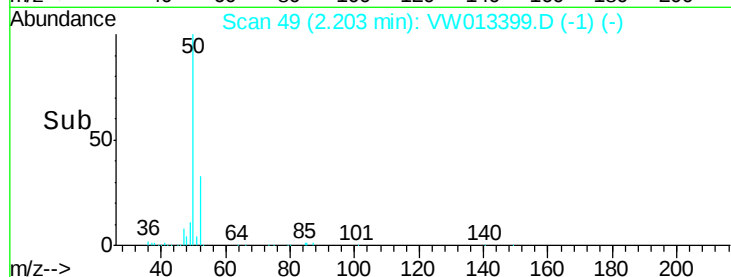
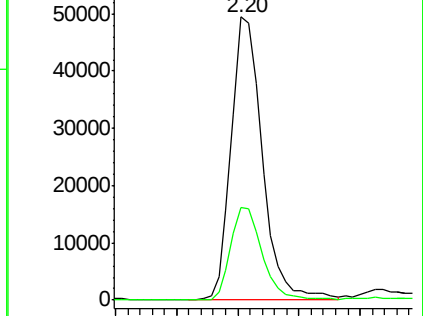
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 48.191 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013399.D

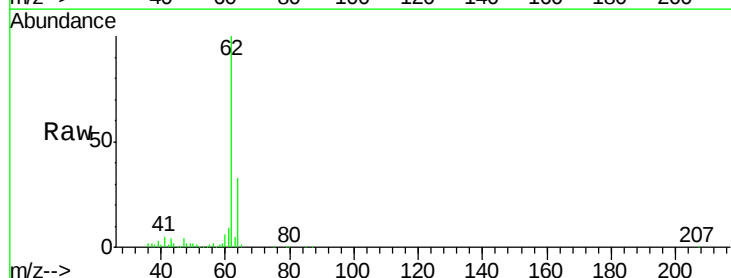
Acq: 03 Oct 2019 01:08

Tgt Ion: 62 Resp: 129347

Ion Ratio Lower Upper

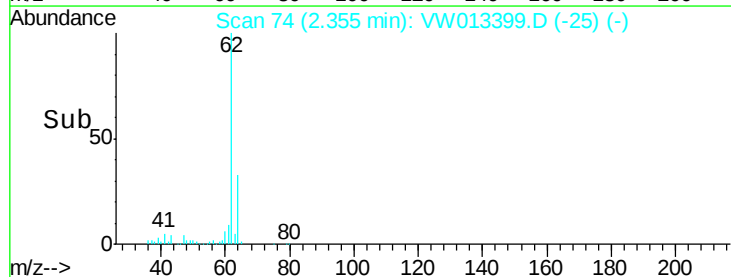
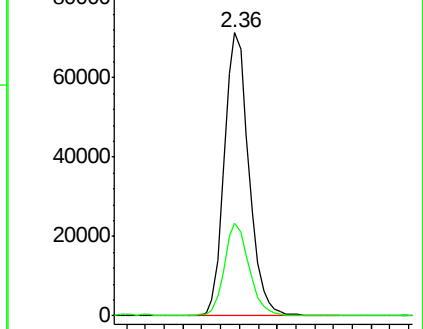
62 100

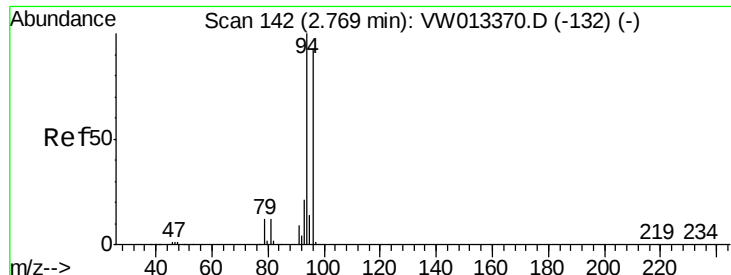
64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.442 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 78232

Ion Ratio Lower Upper

94 100

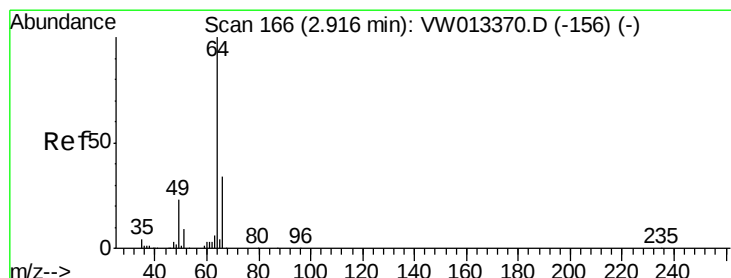
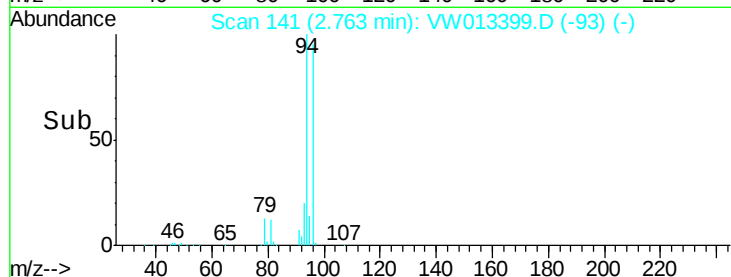
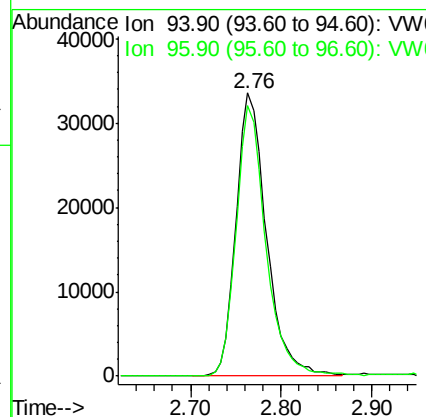
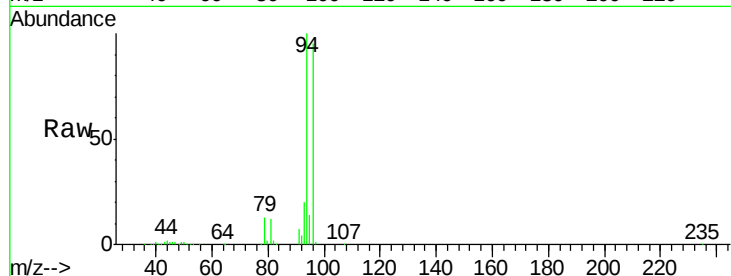
96 95.4 69.7 104.5

Manual Integrations

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10/4/2019 12:10:55 PM



#6

Chloroethane

Concen: 45.720 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013399.D

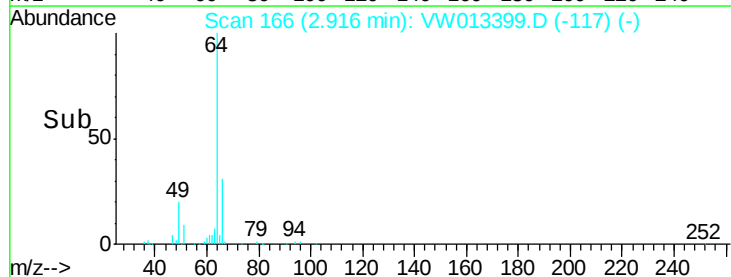
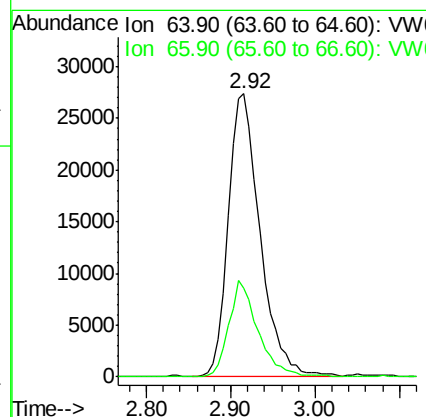
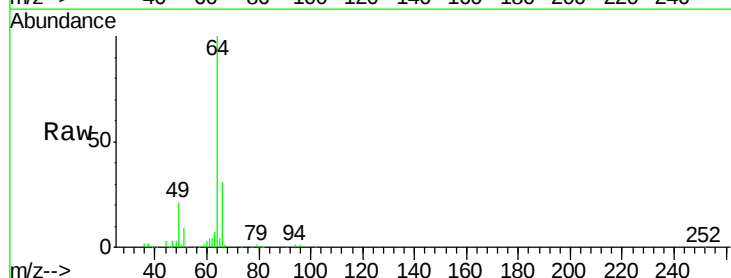
Acq: 03 Oct 2019 01:08

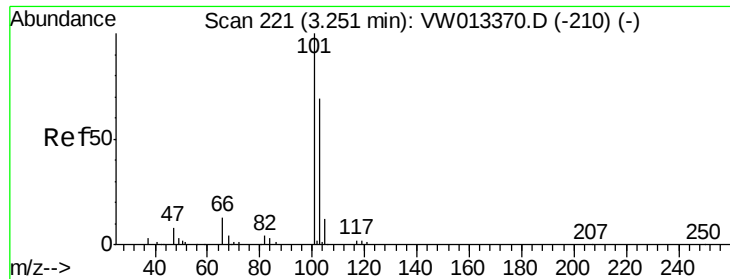
Tgt Ion: 64 Resp: 70860

Ion Ratio Lower Upper

64 100

66 31.2 26.6 39.8





#7

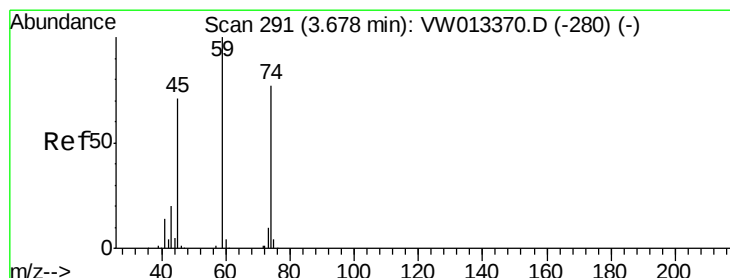
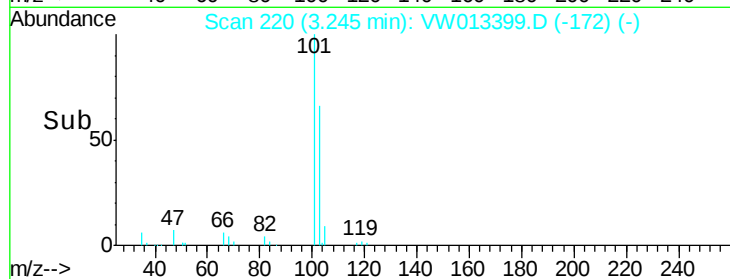
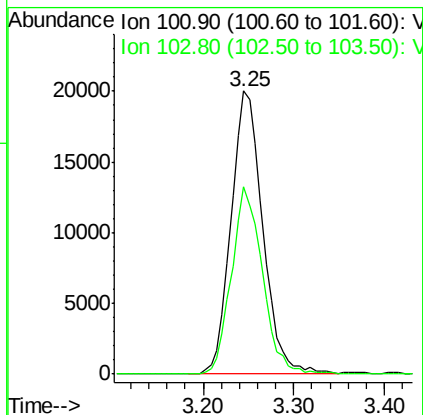
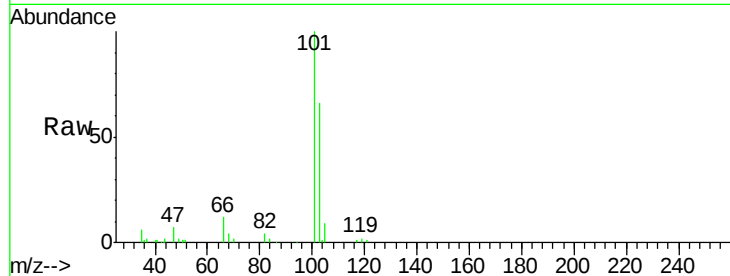
Trichlorofluoromethane
 Concen: 41.794 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	49.7	74.5

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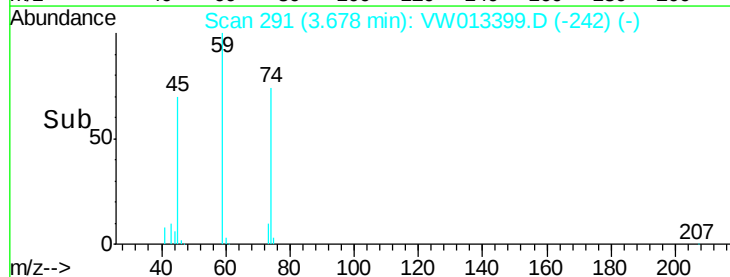
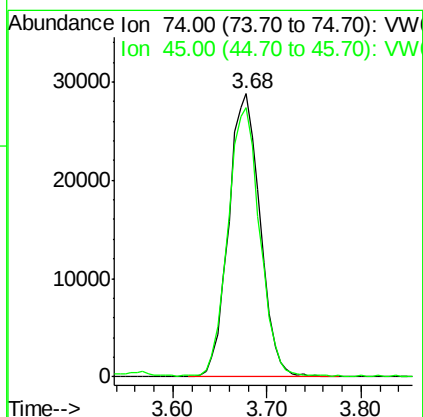
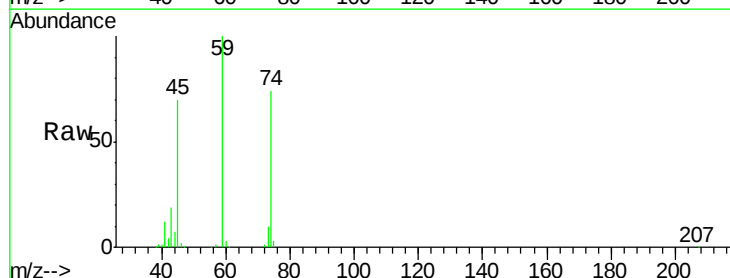
MMDadoda
 10/4/2019 12:10:55 PM

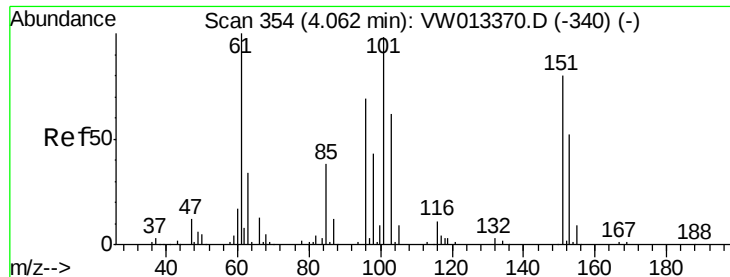


#8

Diethyl Ether
 Concen: 49.491 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.737 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

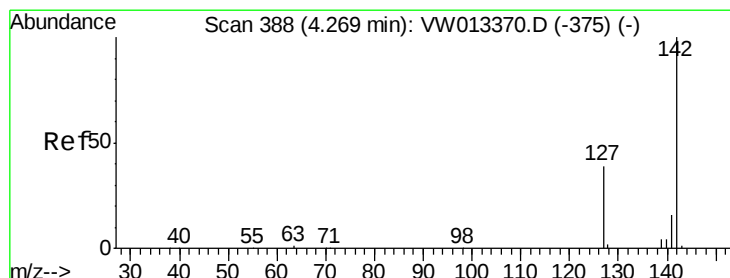
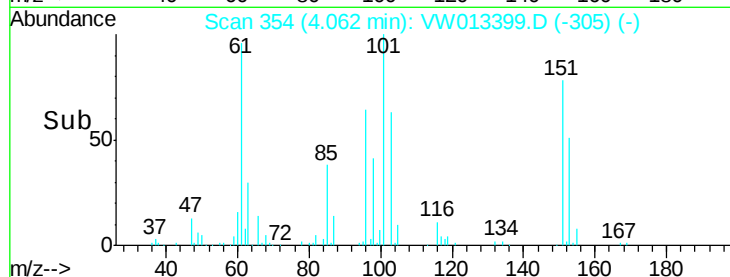
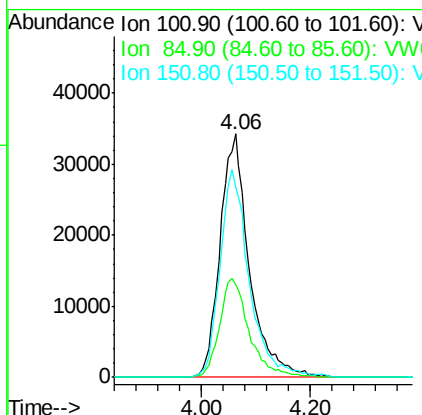
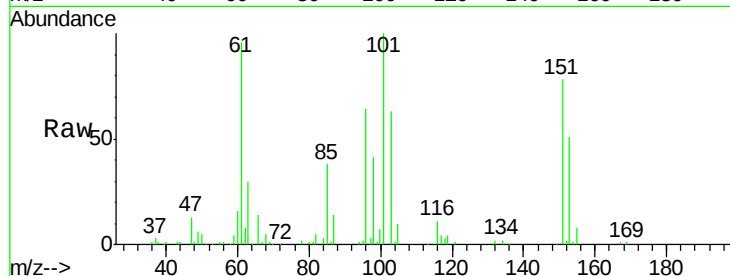
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128404
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	84.9	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 47.586 ug/l

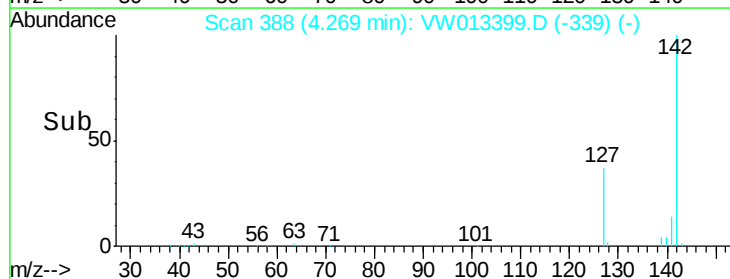
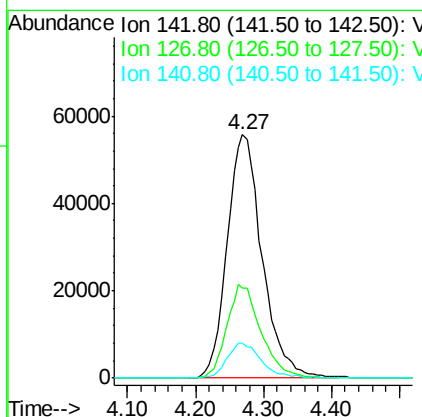
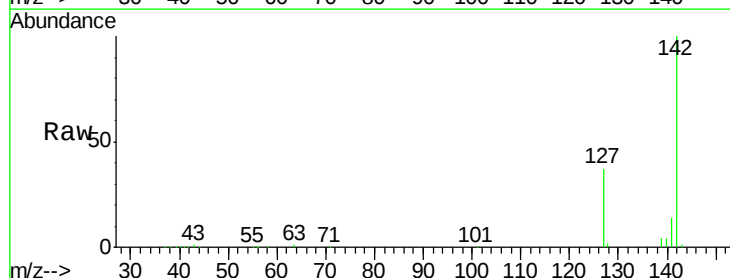
RT: 4.27 min Scan# 388

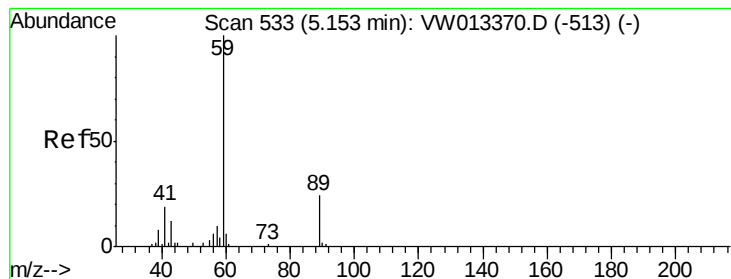
Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	142	Resp:	198396
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.9	46.3
141	14.3	11.7	17.5





#11

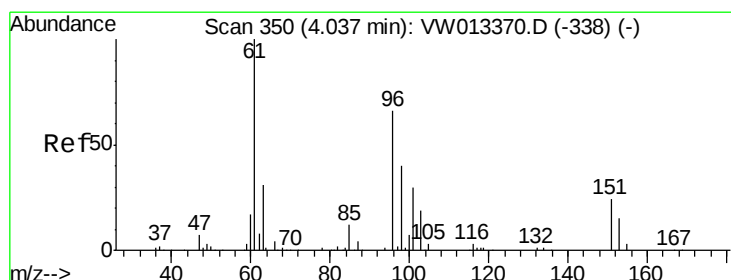
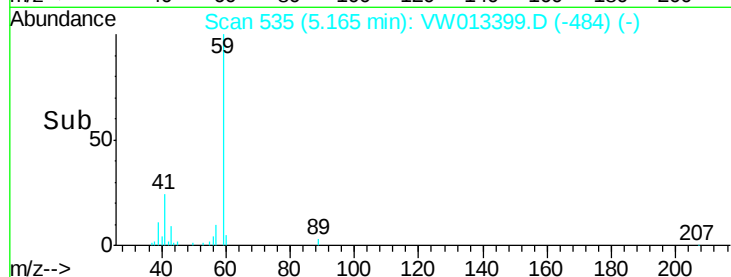
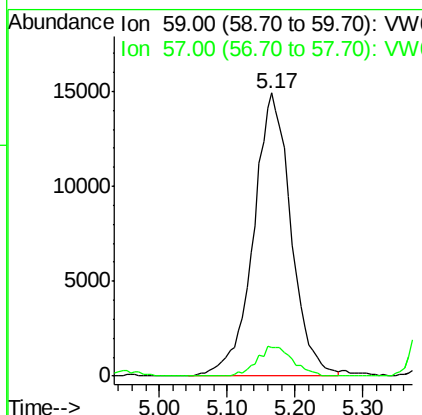
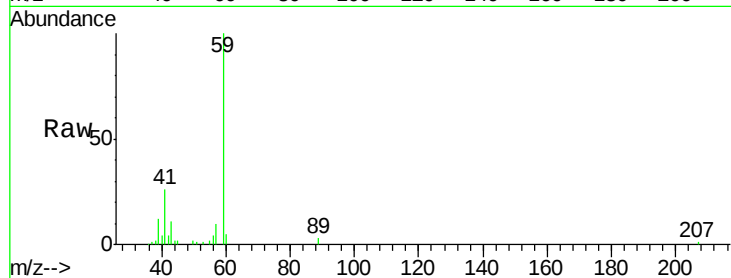
Tert butyl alcohol
Concen: 316.367 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 57340
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

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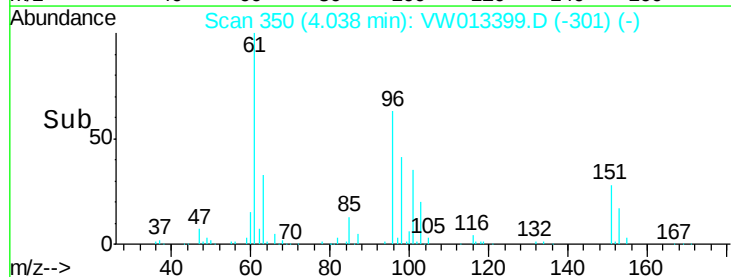
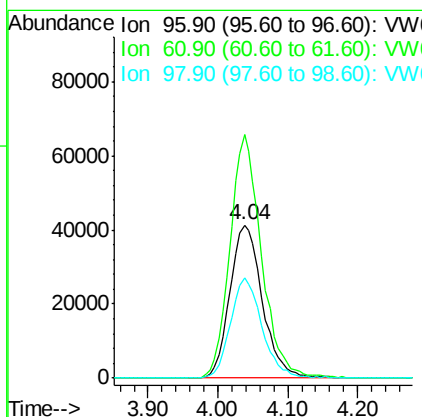
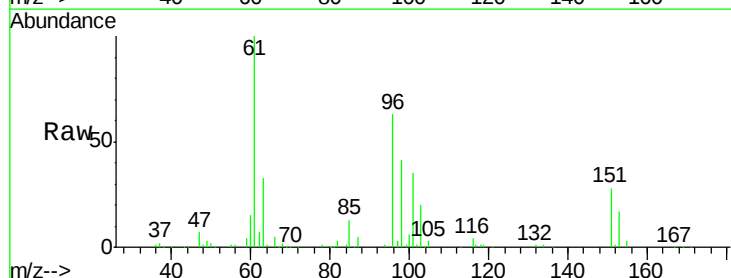
MMDadoda
10/4/2019 12:10:55 PM

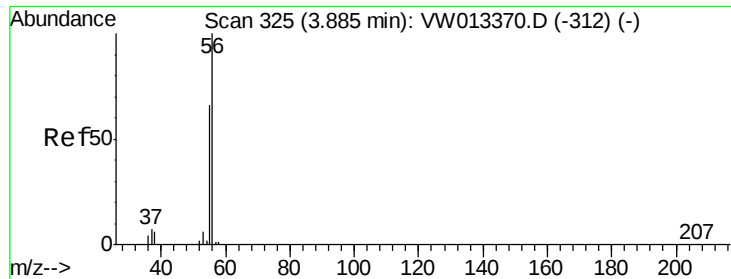


#12

1,1-Dichloroethene
Concen: 49.077 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 96 Resp: 133864
Ion Ratio Lower Upper
96 100
61 159.0 125.1 187.7
98 65.3 50.8 76.2





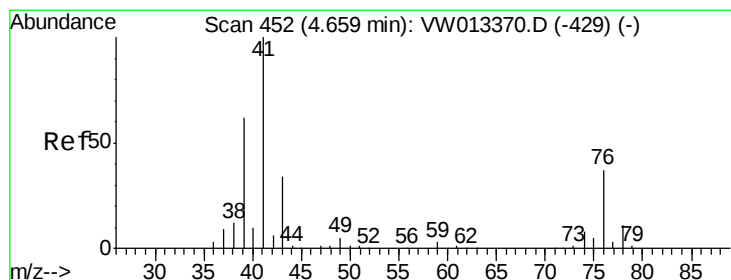
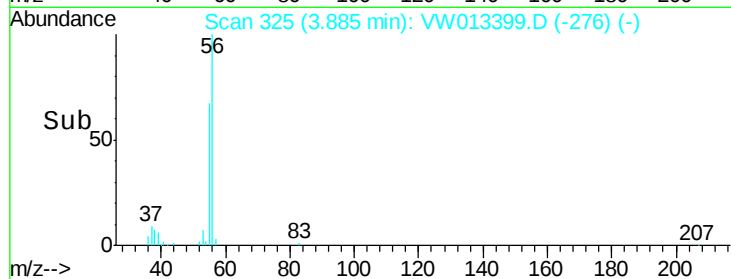
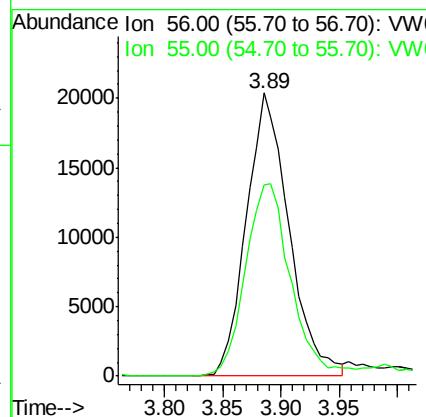
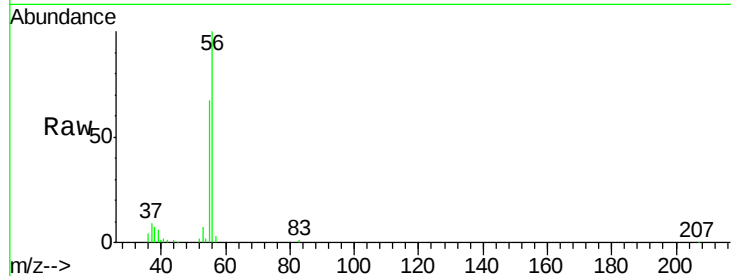
#13
Acrolein
Concen: 233.327 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 52029
Ion Ratio Lower Upper
56 100
55 72.1 55.4 83.0

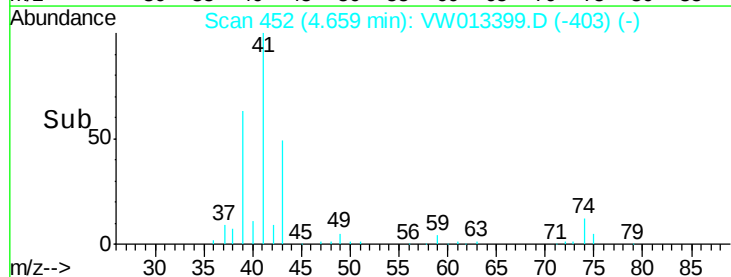
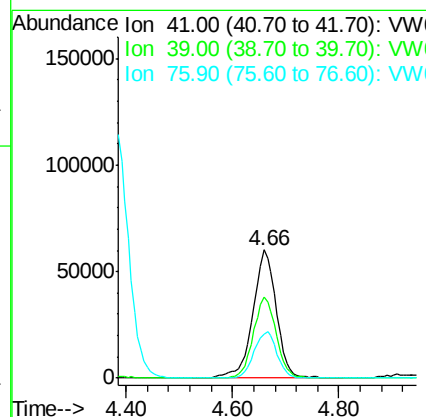
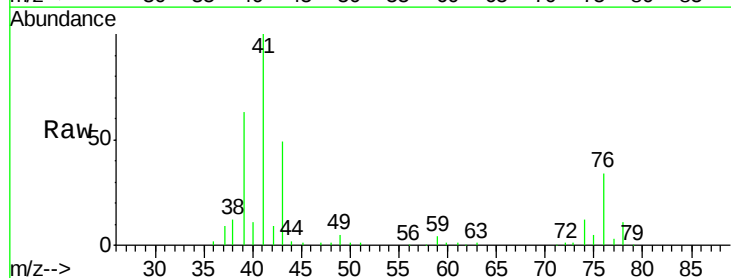
Manual Integrations
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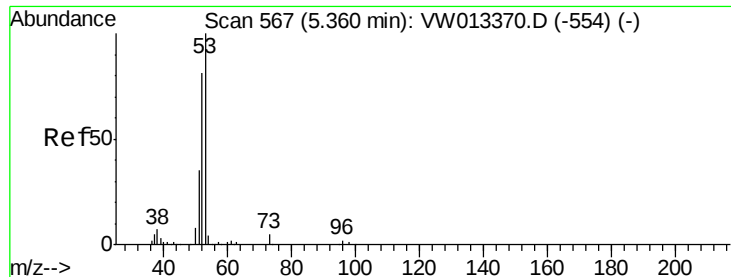
MMDadoda
10/4/2019 12:10:55 PM



#14
Allyl chloride
Concen: 45.346 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 41 Resp: 182973
Ion Ratio Lower Upper
41 100
39 61.5 51.0 76.4
76 35.3 28.4 42.6





#15

Acrylonitrile

Concen: 283.985 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

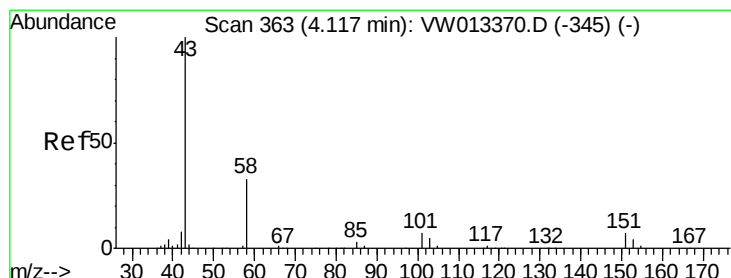
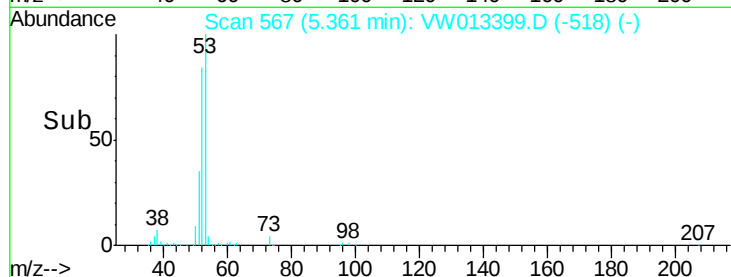
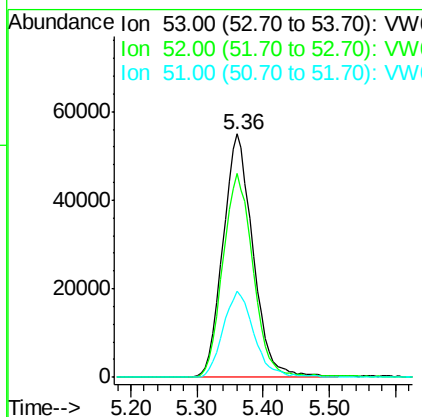
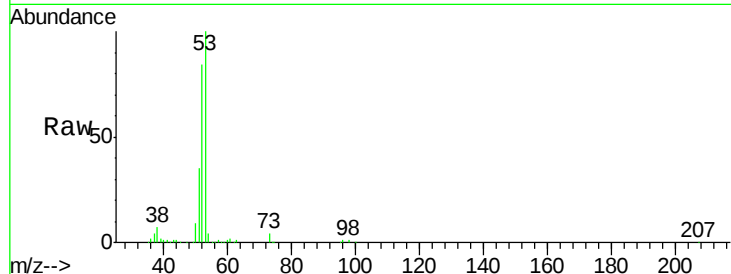
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	173025
Ion Ratio		Lower	Upper
53	100		
52	83.6	65.3	97.9
51	36.1	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 205.536 ug/l

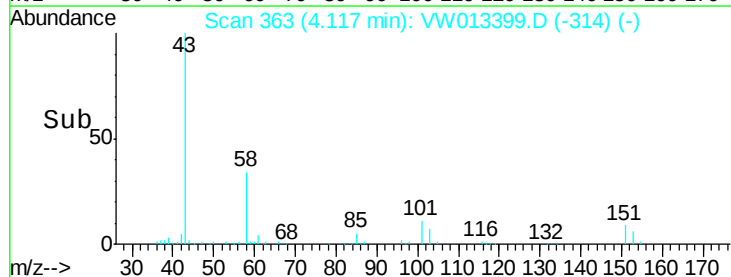
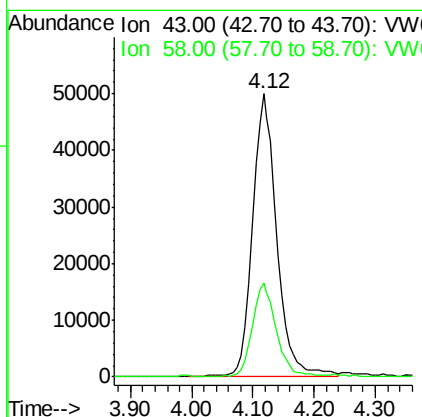
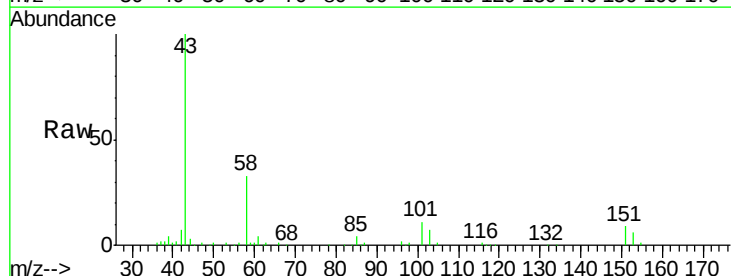
RT: 4.12 min Scan# 363

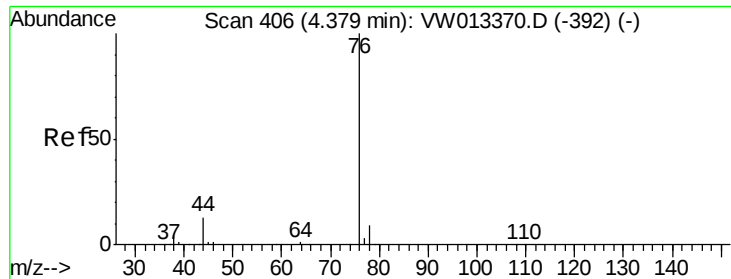
Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	43	Resp:	139386
Ion Ratio		Lower	Upper
43	100		
58	32.7	24.1	36.1





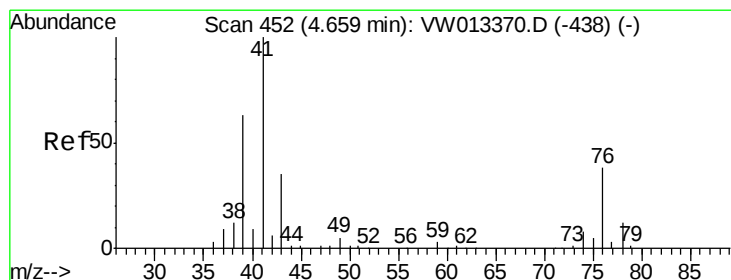
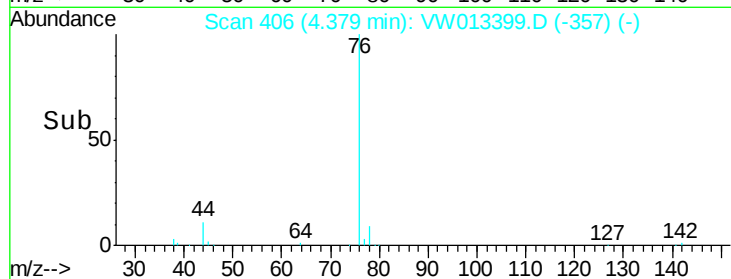
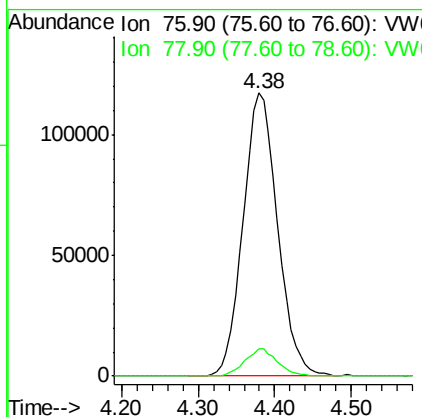
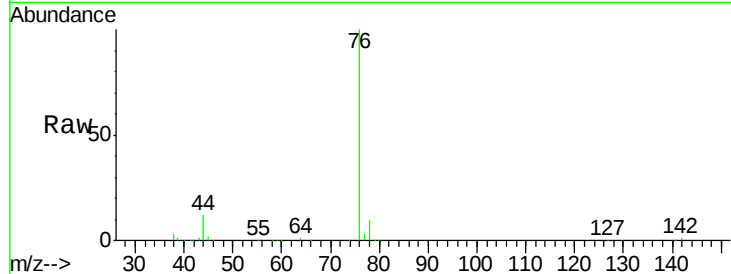
#17
Carbon Disulfide
Concen: 48.442 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 368617
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4

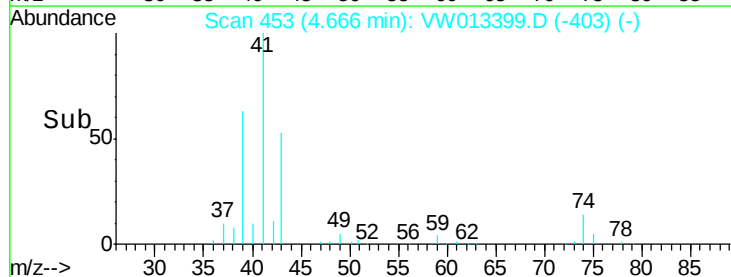
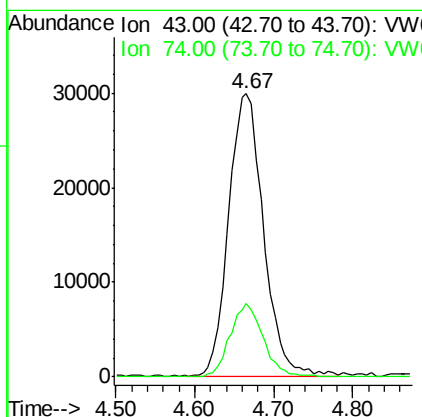
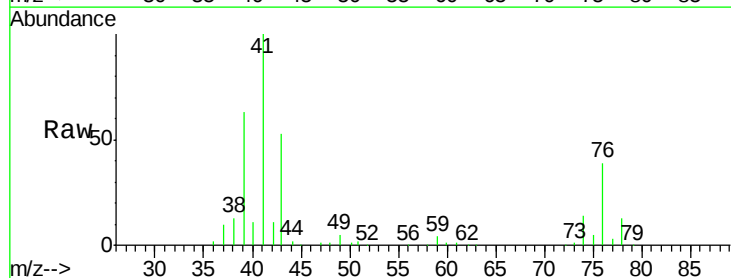
Manual Integrations
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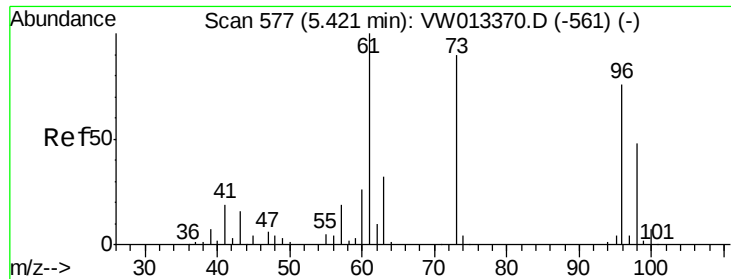
MMDadoda
10/4/2019 12:10:55 PM



#18
Methyl Acetate
Concen: 57.717 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 43 Resp: 91612
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9





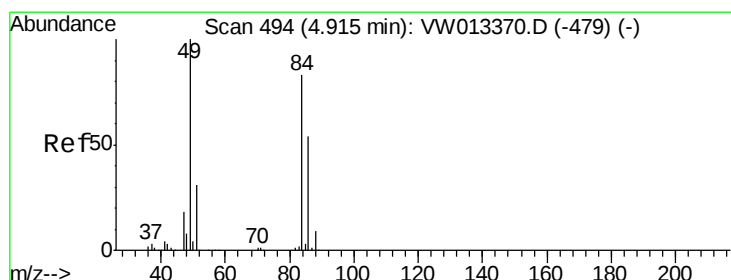
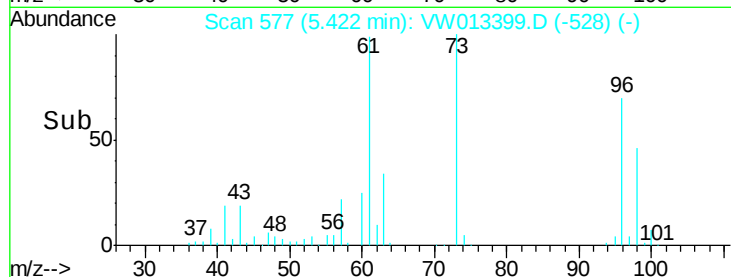
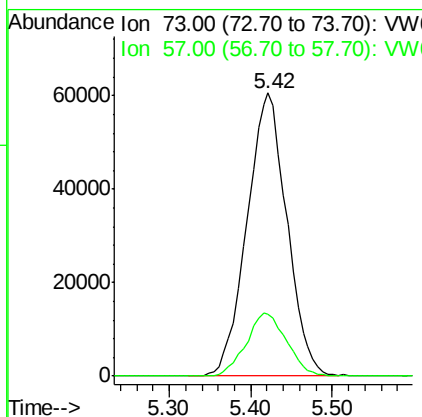
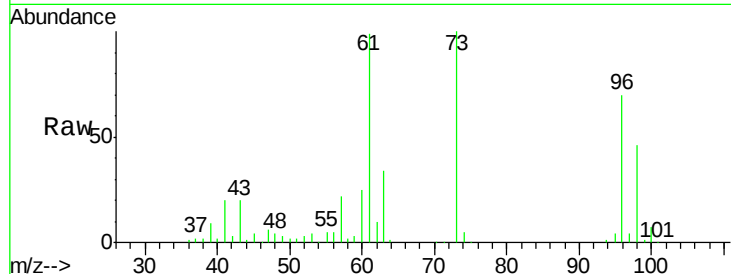
#19
Methyl tert-butyl Ether
Concen: 51.378 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 206261
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4

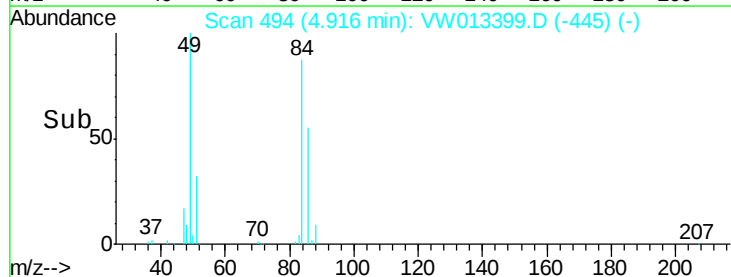
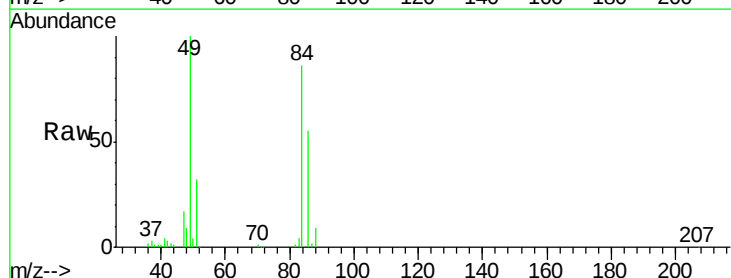
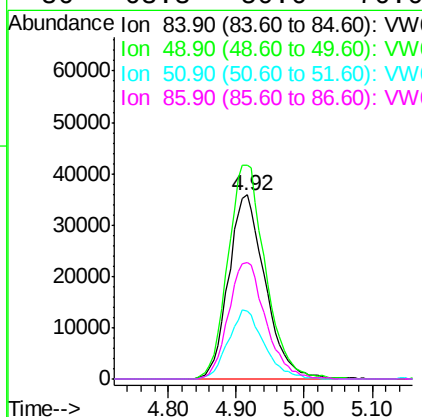
Manual Integrations
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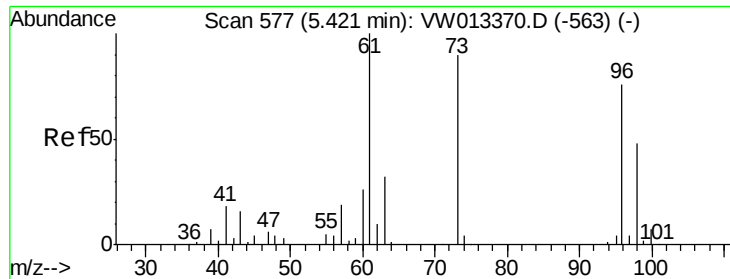
MMDadoda
10/4/2019 12:10:55 PM



#20
Methylene Chloride
Concen: 47.286 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 84 Resp: 134147
Ion Ratio Lower Upper
84 100
49 116.0 97.6 146.4
51 36.6 30.2 45.2
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 46.272 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

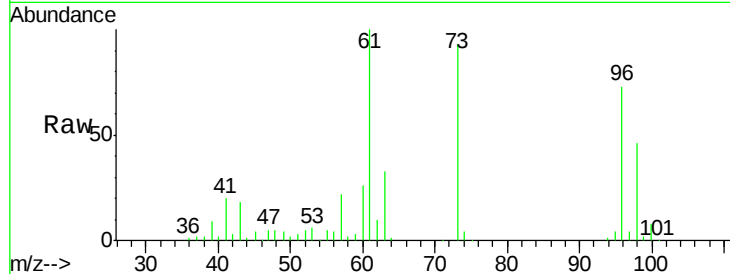
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	134410
Ion	Ratio	Lower	Upper
96	100		
61	136.2	106.6	159.8
98	63.3	49.8	74.8

Manual Integrations
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10/4/2019 12:10:55 PM

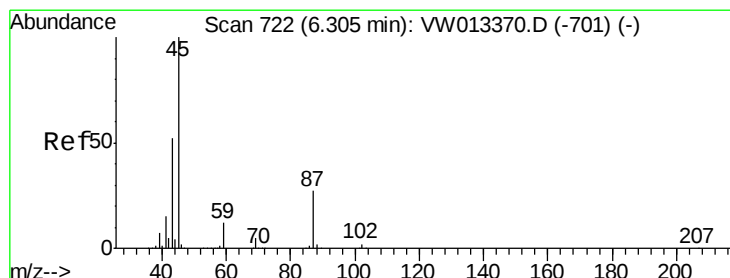
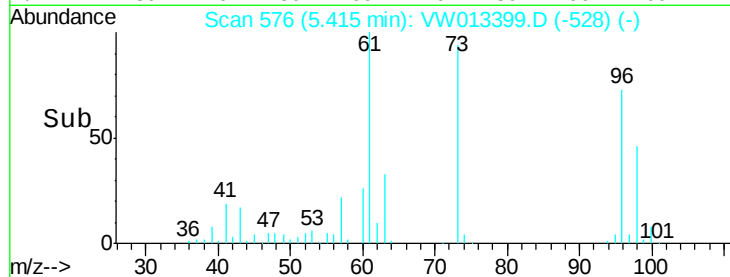
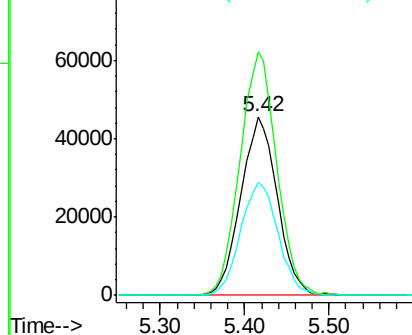


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.537 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	45	Resp:	378221
Ion	Ratio	Lower	Upper
45	100		
43	52.4	42.4	63.6
87	28.8	20.4	30.6
59	11.6	8.8	13.2

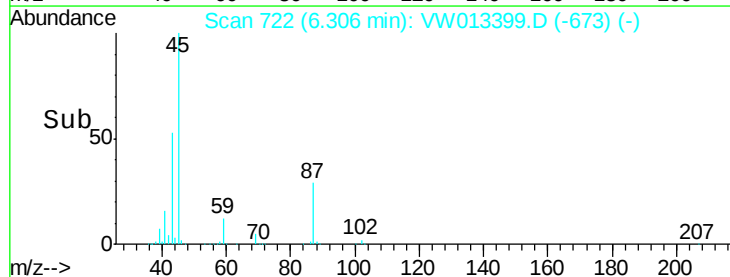
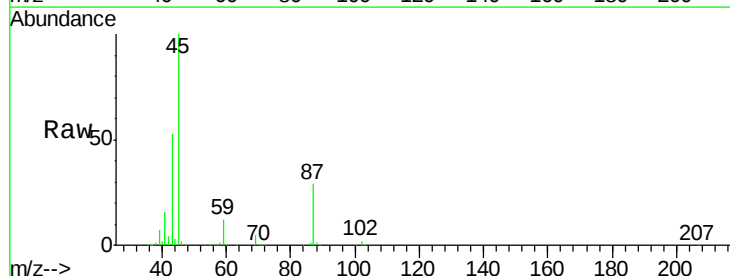
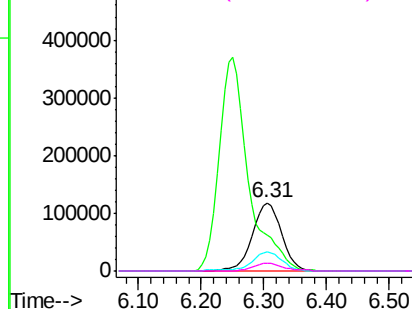
Abundance

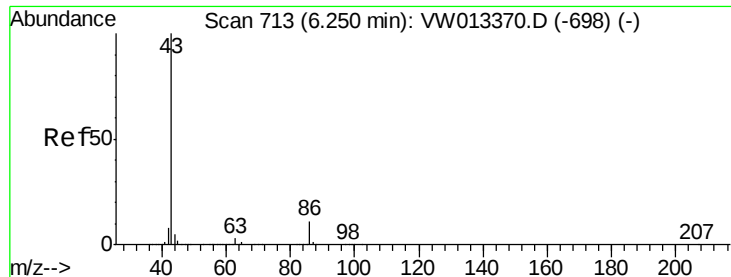
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 256.710 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1200335

Ion Ratio Lower Upper

43 100

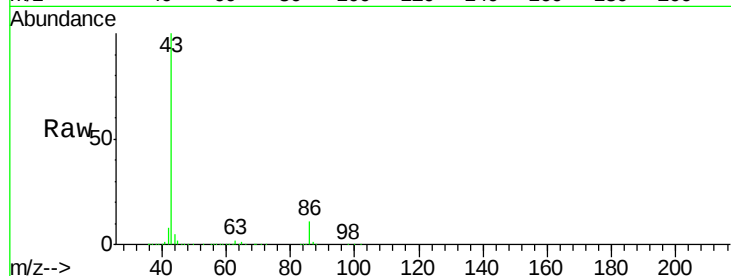
86 11.3 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

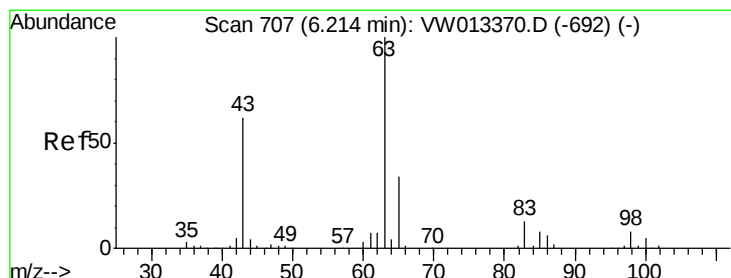
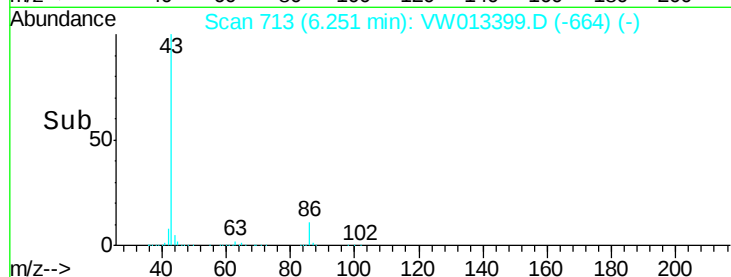
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.391 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

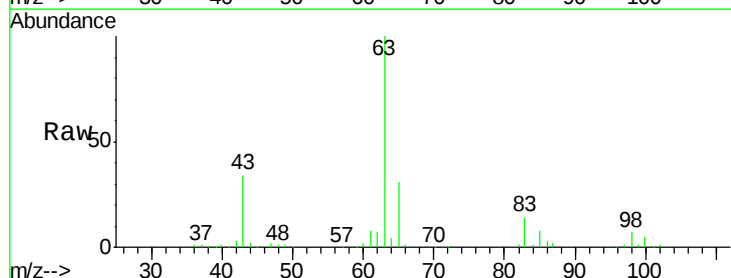
Tgt Ion: 63 Resp: 224934

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 5.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

100000

80000

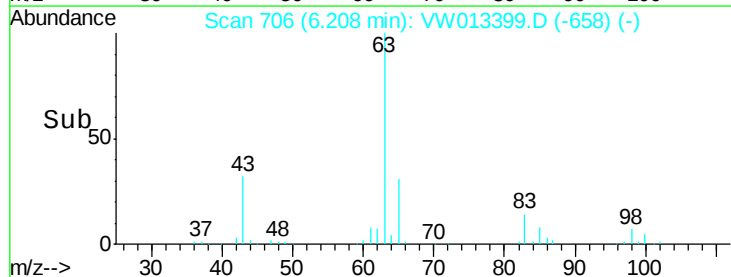
60000

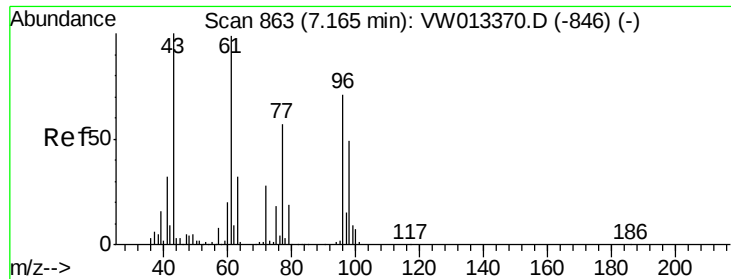
40000

20000

0

Time-->





#25

2-Butanone

Concen: 264.311 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 229357

Ion Ratio Lower Upper

43 100

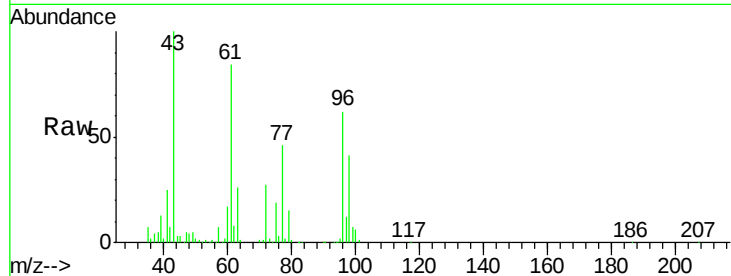
72 26.6 19.4 29.0

Manual Integrations

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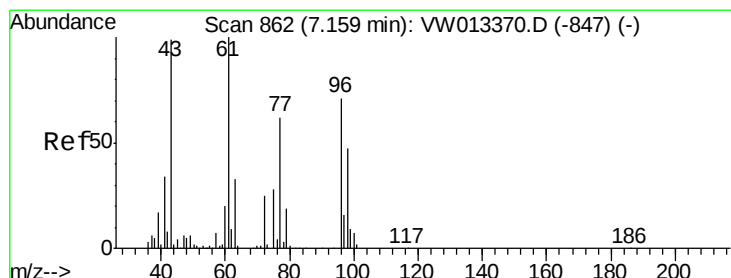
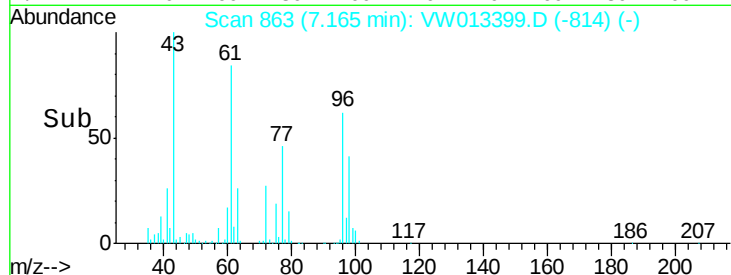
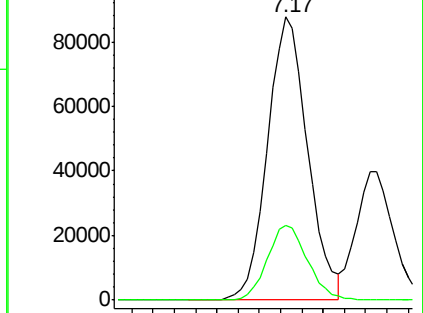
MMDadoda

10/4/2019 12:10:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 44.059 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013399.D

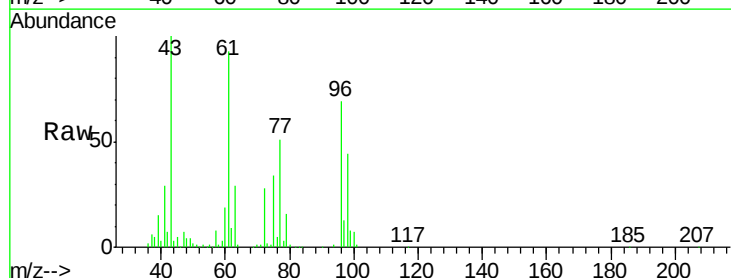
Acq: 03 Oct 2019 01:08

Tgt Ion: 77 Resp: 121534

Ion Ratio Lower Upper

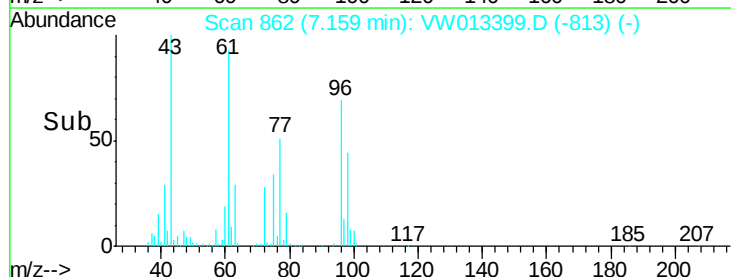
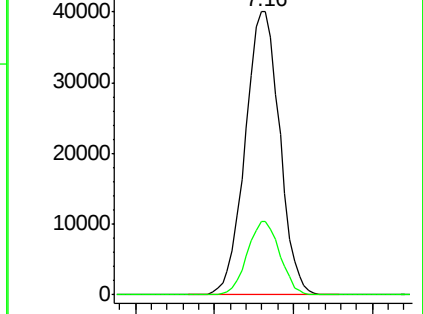
77 100

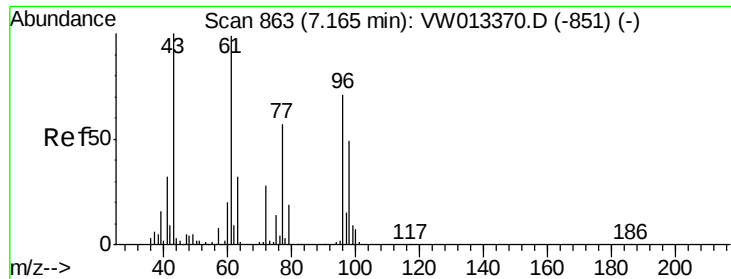
97 24.5 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

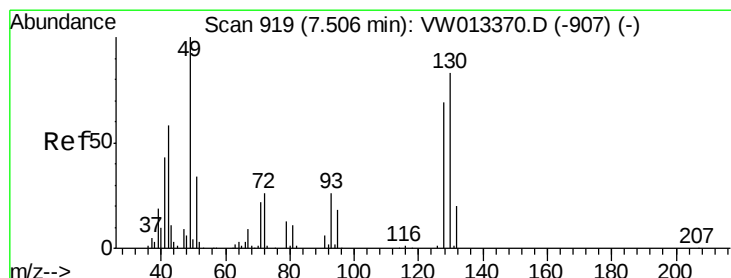
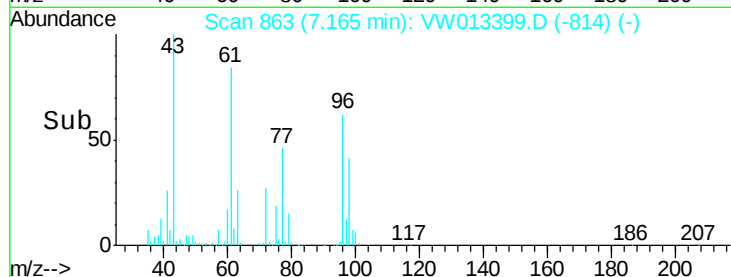
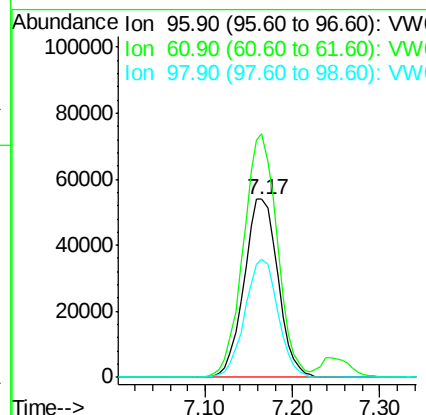
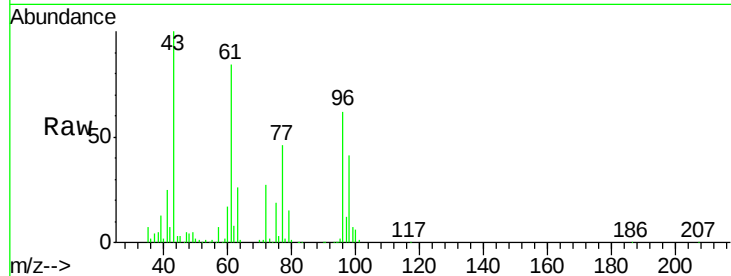
cis-1,2-Dichloroethene
 Concen: 47.789 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	282.4
98	64.7	0.0	128.2

Manual Integrations
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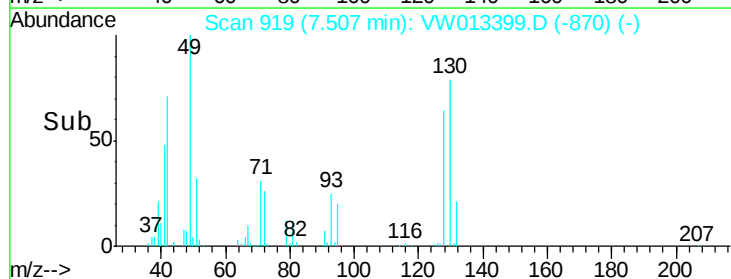
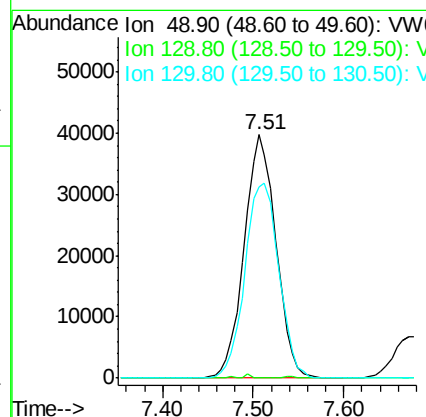
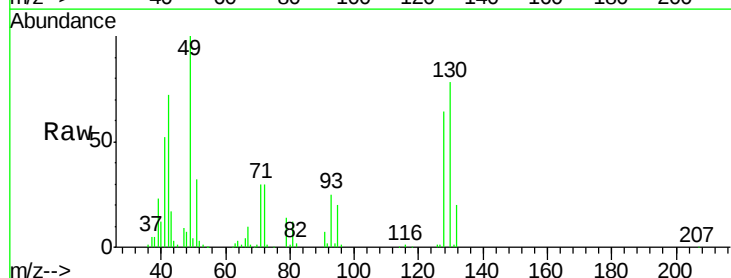
MMDadoda
 10/4/2019 12:10:55 PM

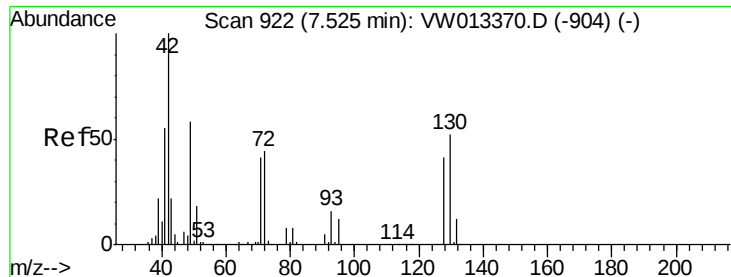


#28

Bromochloromethane
 Concen: 56.263 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.0
130	85.4	63.4	95.2





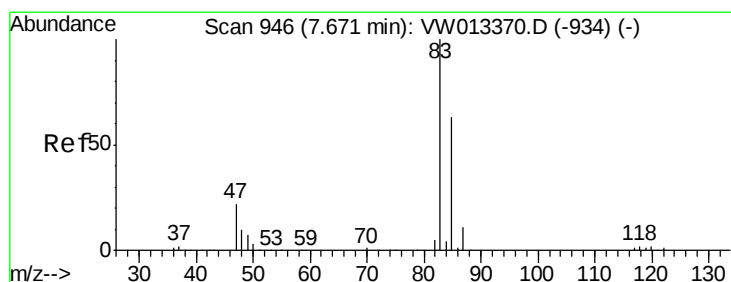
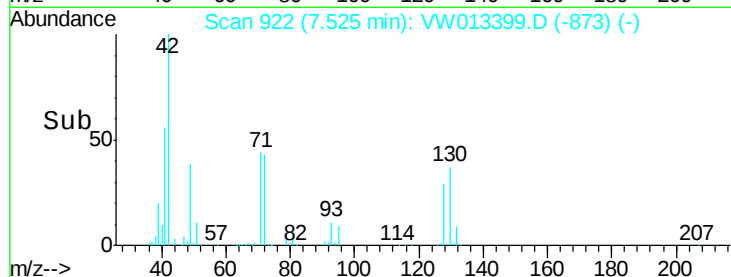
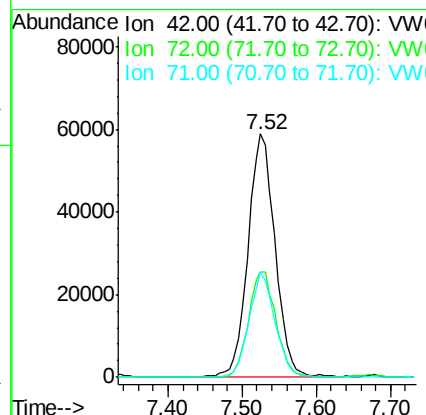
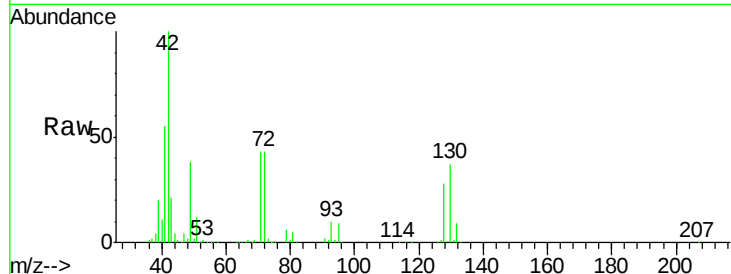
#29
Tetrahydrofuran
Concen: 297.053 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.9	50.9
71	41.5	31.9	47.9

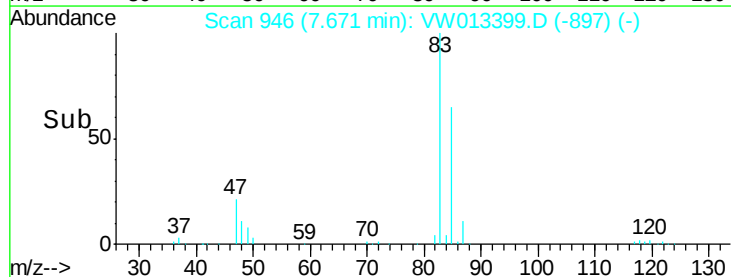
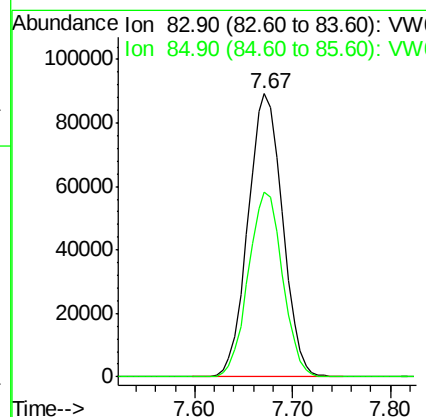
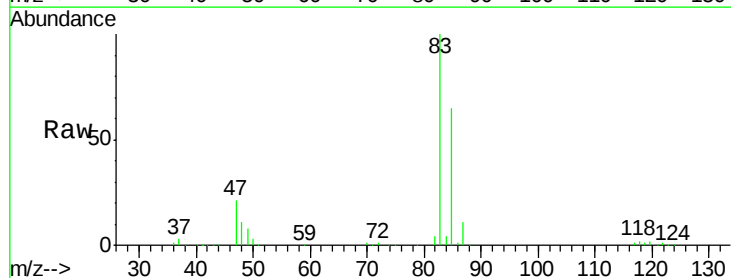
Manual Integrations
APPROVED

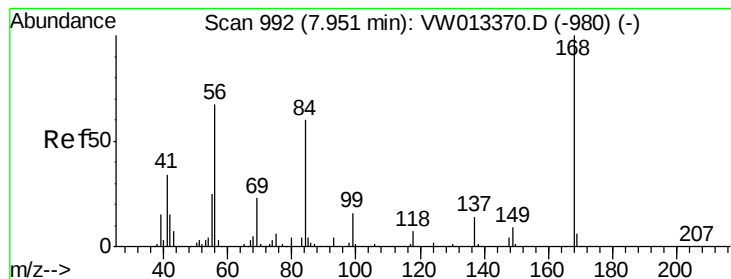
MMDadoda
10/4/2019 12:10:55 PM



#30
Chloroform
Concen: 46.920 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.3	78.5





#31

Cyclohexane

Concen: 47.129 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

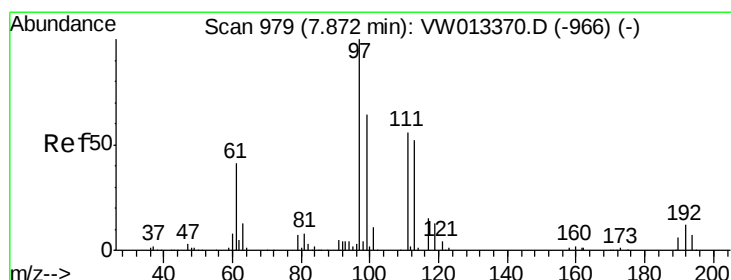
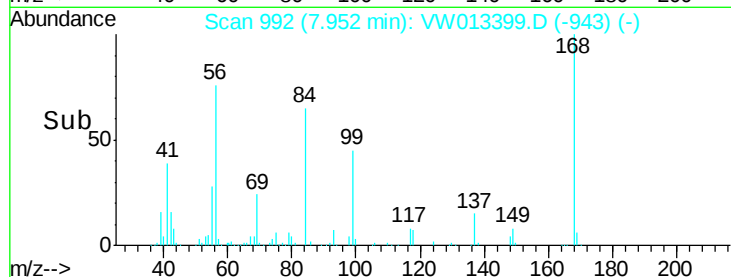
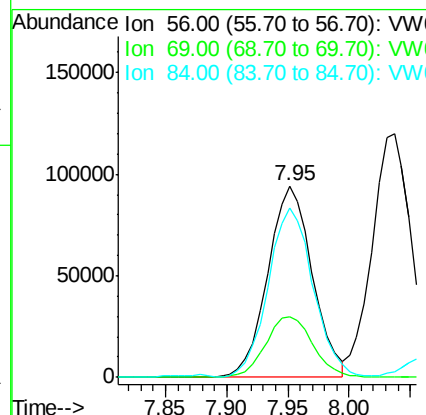
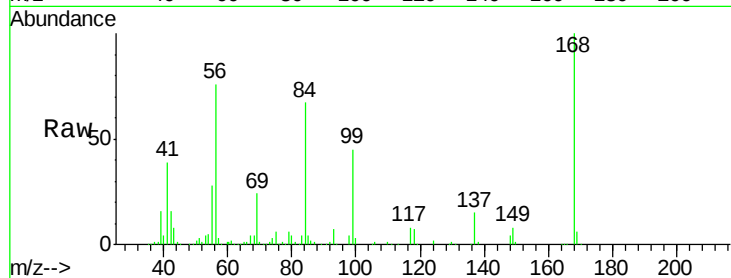
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	238552
Ion Ratio		Lower	Upper
56	100		
69	32.0	27.2	40.8
84	87.7	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.908 ug/l

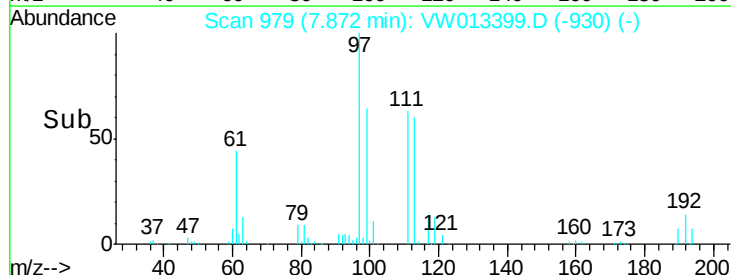
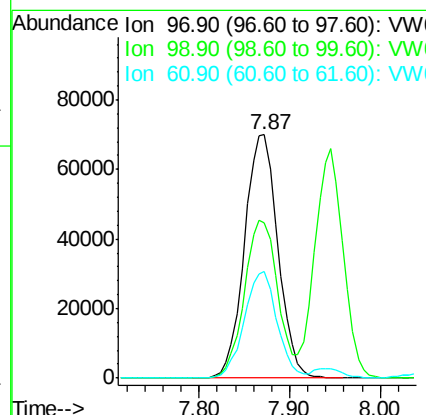
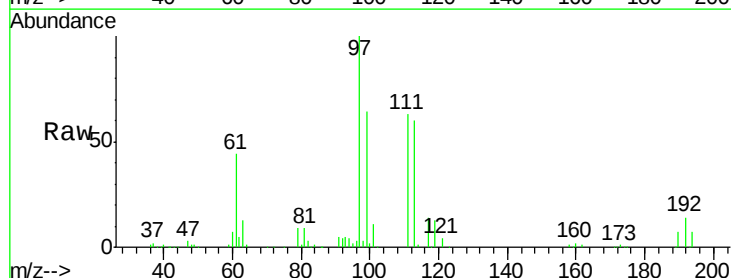
RT: 7.87 min Scan# 979

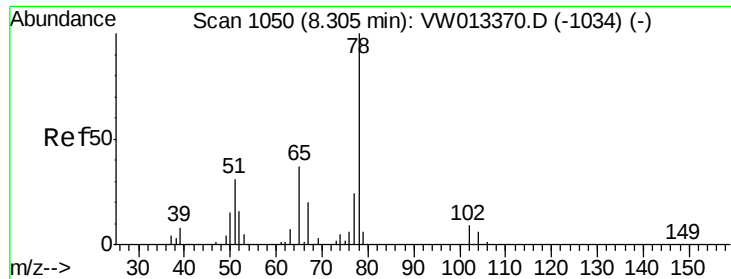
Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	97	Resp:	178324
Ion Ratio		Lower	Upper
97	100		
99	65.7	51.7	77.5
61	43.2	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 55.167 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 122055

Ion Ratio Lower Upper

65 100

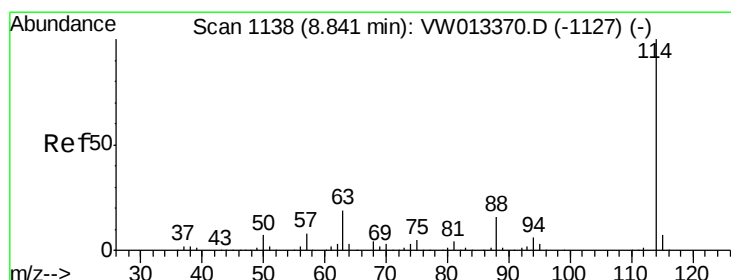
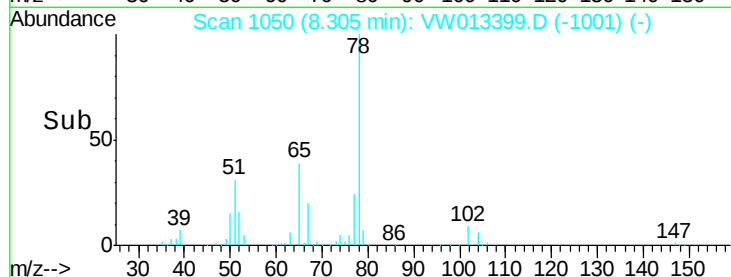
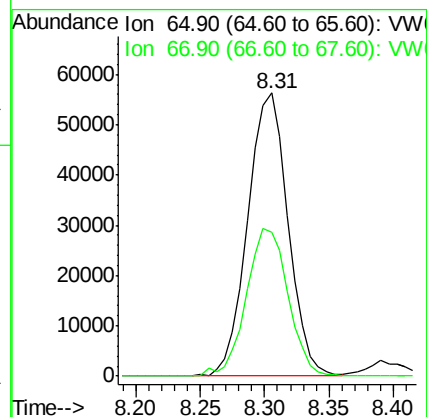
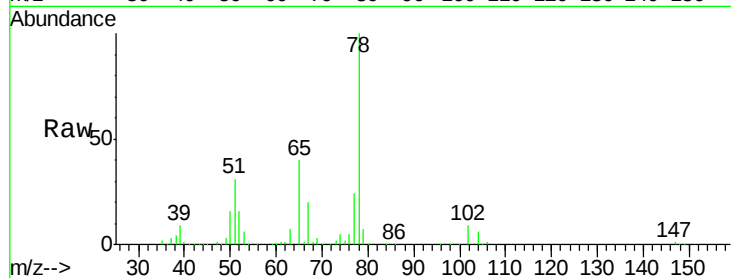
67 54.1 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

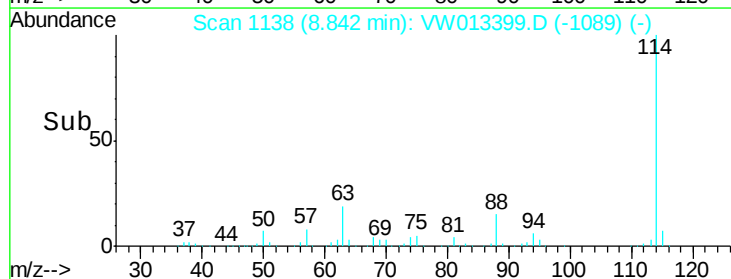
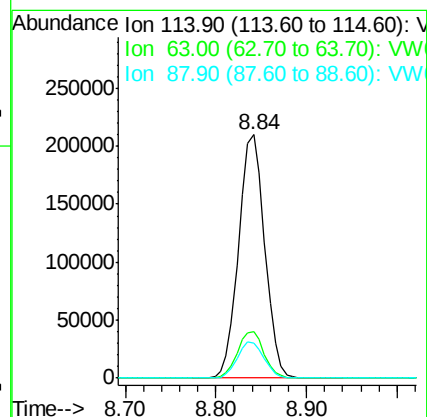
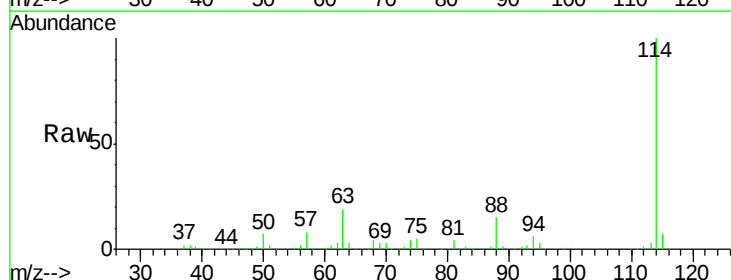
Tgt Ion: 114 Resp: 419252

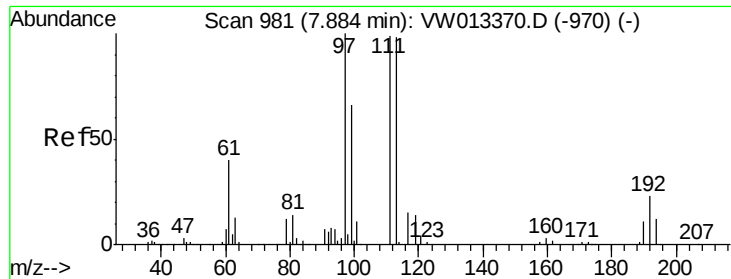
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.4

88 14.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.927 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

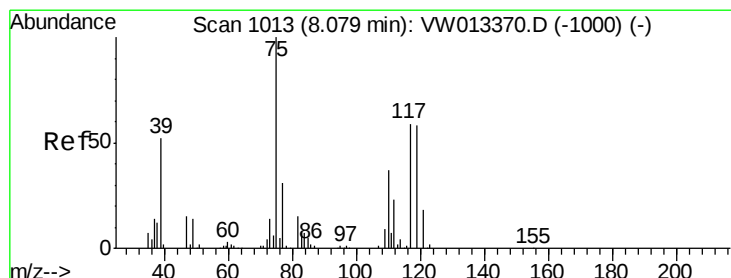
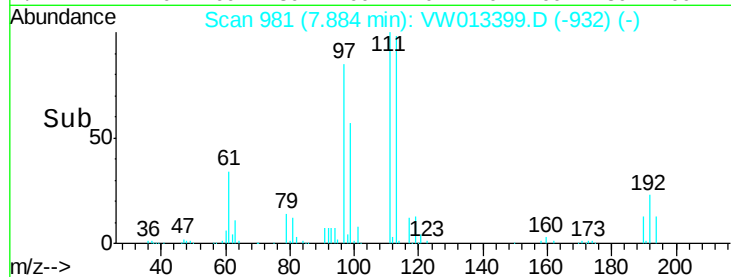
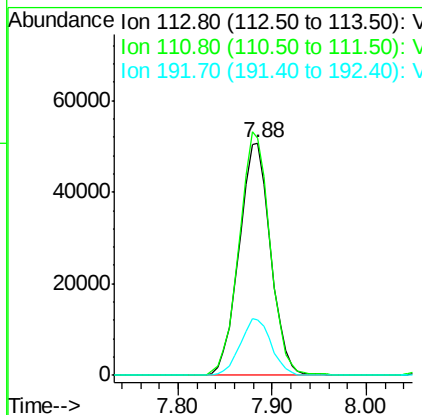
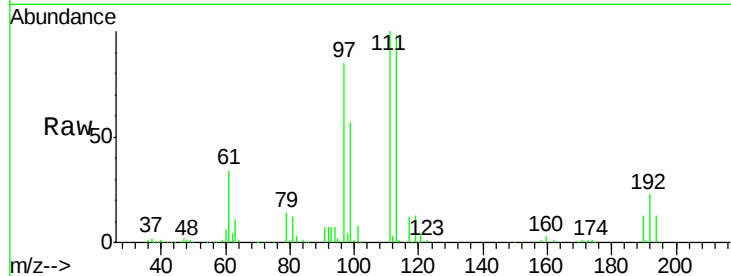
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	118634
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.9	122.9
192	23.9	19.1	28.7

Manual Integrations
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10/4/2019 12:10:55 PM



#36

1,1-Dichloropropene

Concen: 48.294 ug/l

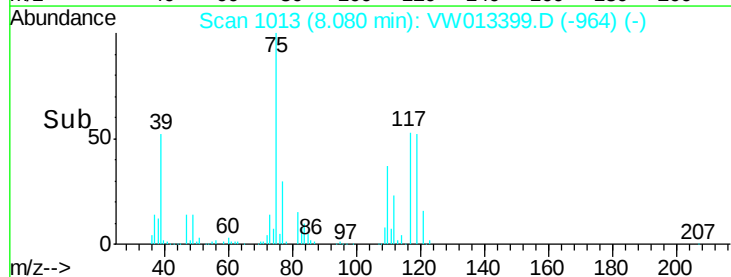
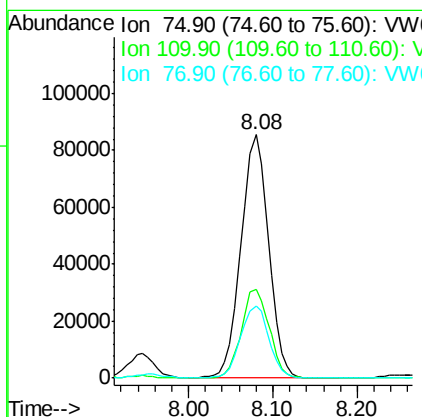
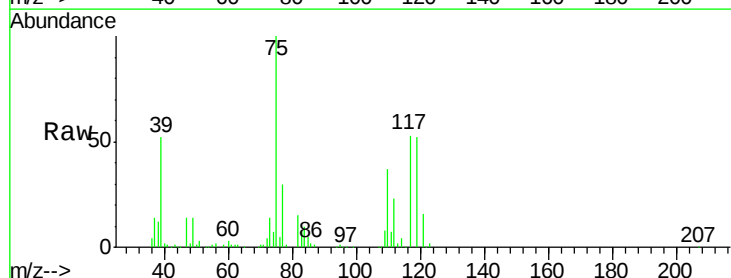
RT: 8.08 min Scan# 1013

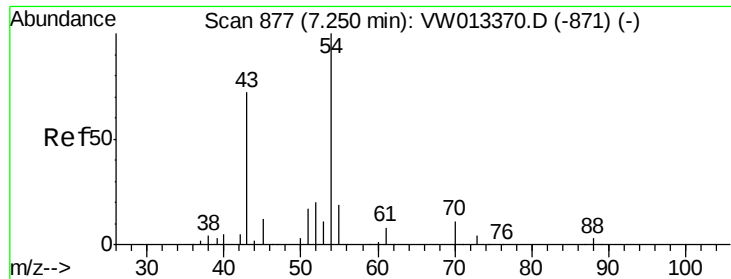
Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	75	Resp:	188058
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.1	54.3
77	30.9	25.8	38.6





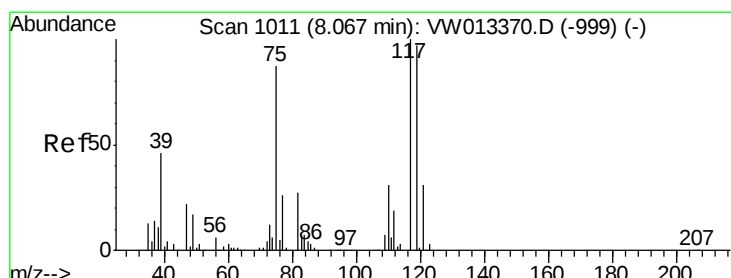
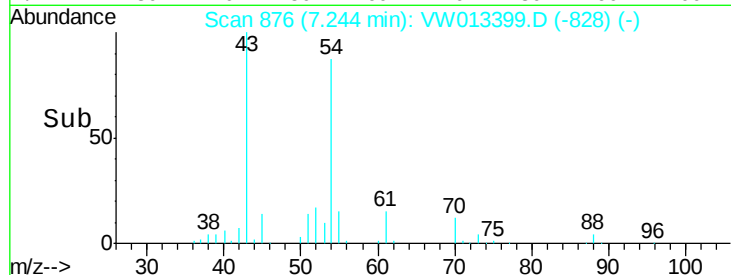
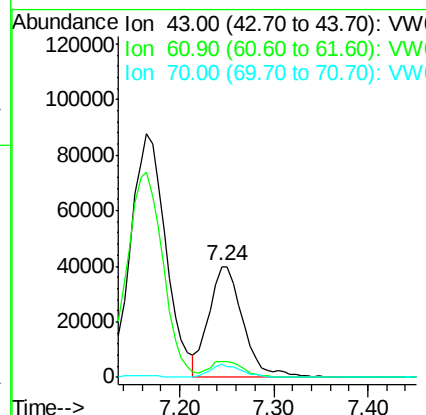
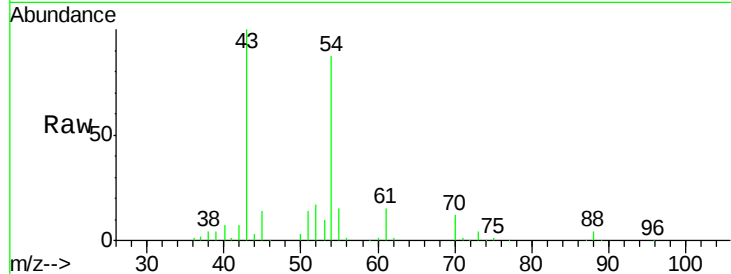
#37
Ethyl Acetate
Concen: 57.811 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.9	16.3
70	11.0	8.2	12.2

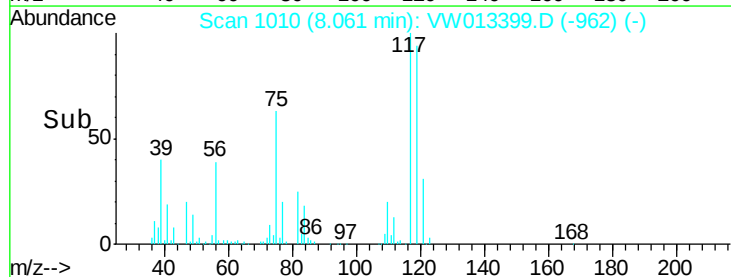
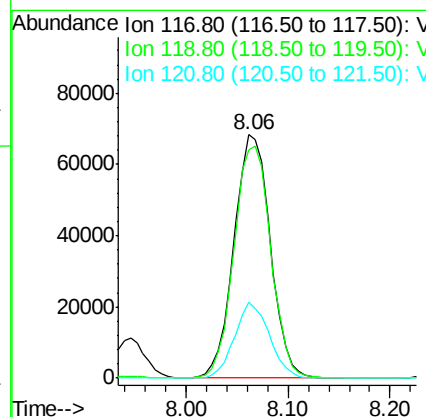
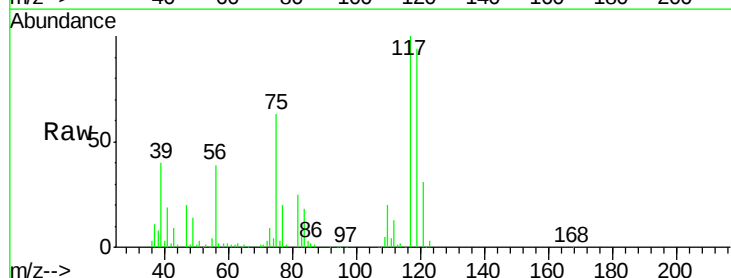
Manual Integrations
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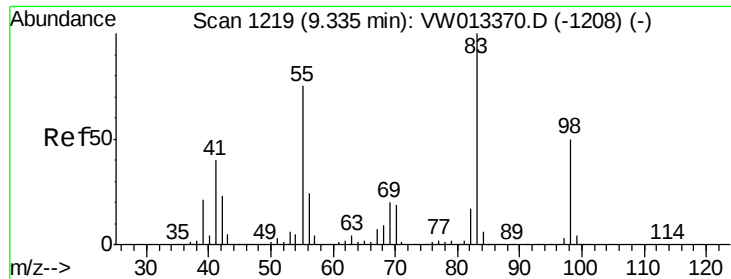
MMDadoda
10/4/2019 12:10:55 PM



#38
Carbon Tetrachloride
Concen: 50.139 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.5	110.3
121	31.3	25.0	37.6





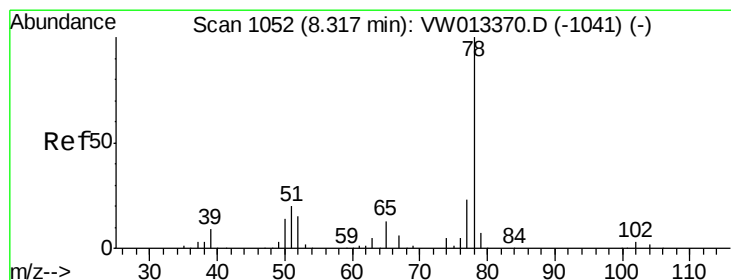
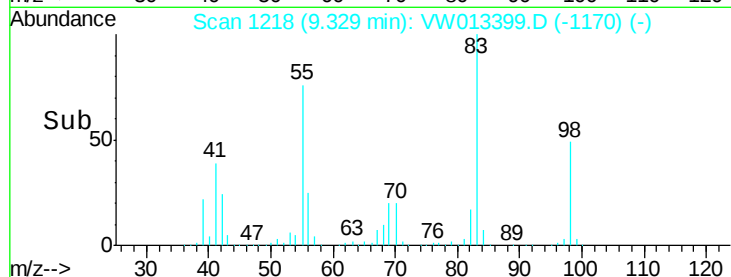
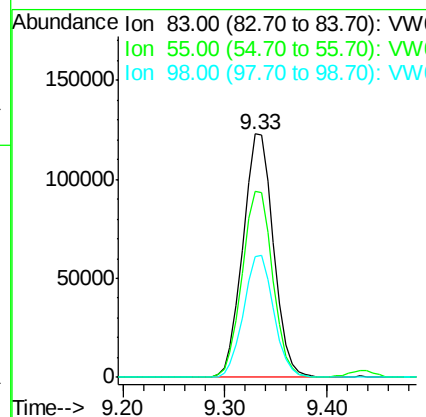
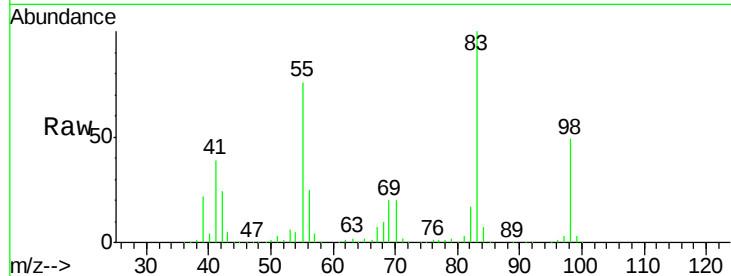
#39
Methvlcvclohexane
Concen: 49.977 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	256299		
55	76.4		60.4	90.6
98	49.4		40.0	60.0

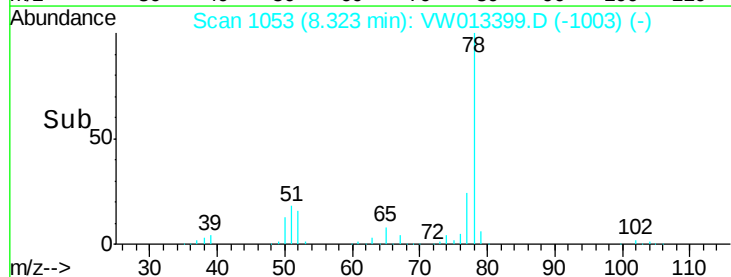
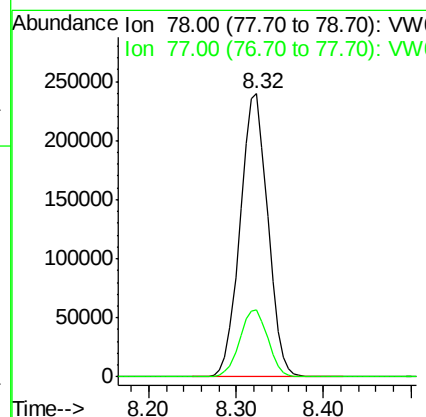
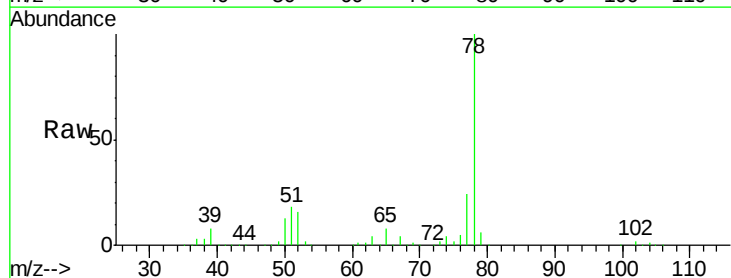
Manual Integrations
APPROVED

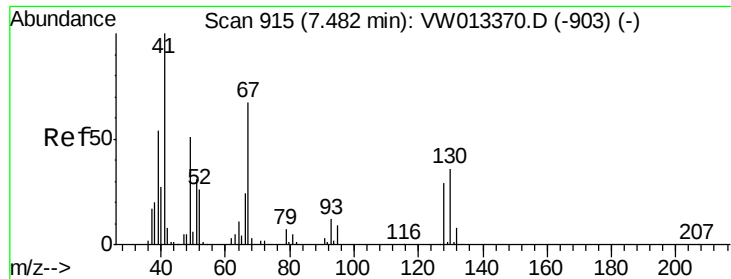
MMDadoda
10/4/2019 12:10:55 PM



#40
Benzene
Concen: 47.926 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	528297		
77	23.8		19.1	28.7





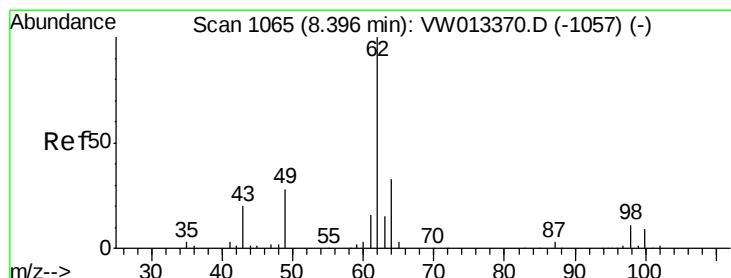
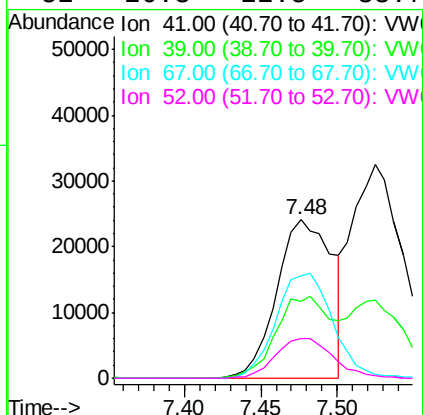
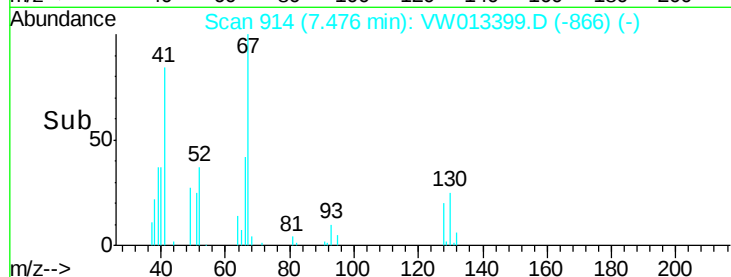
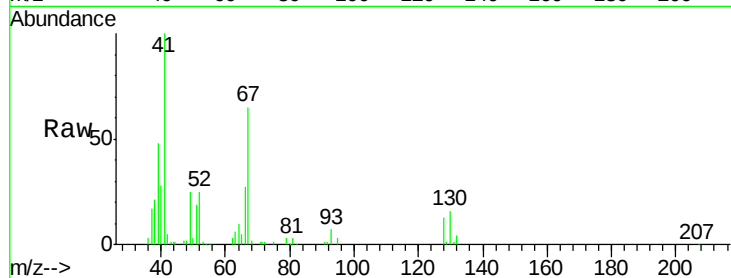
#41
Methacrylonitrile
Concen: 58.964 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	45.9	68.9	
67	67.5	54.5	81.7	
52	26.3	22.5	33.7	

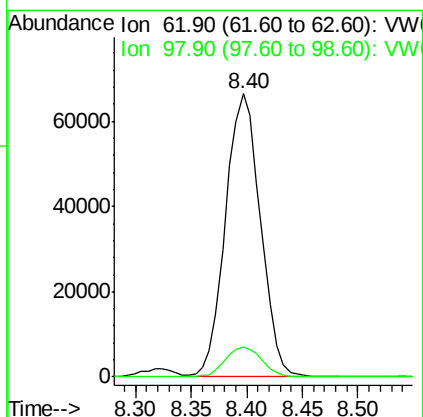
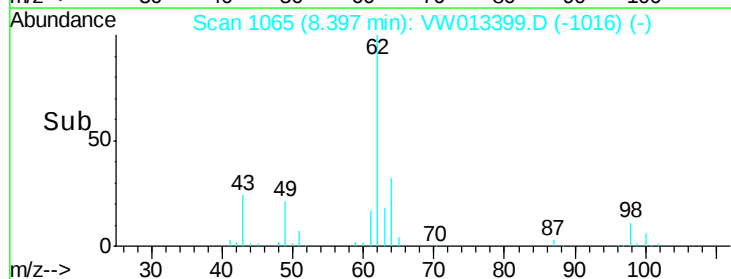
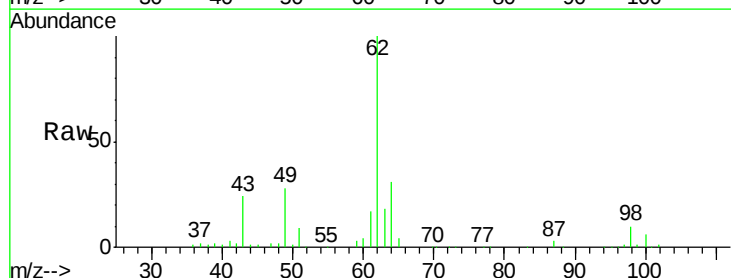
Manual Integrations
APPROVED

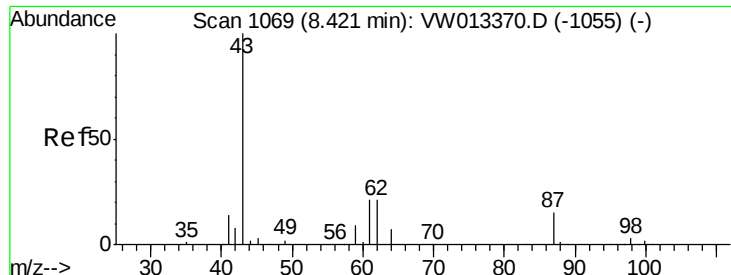
MMDadoda
10/4/2019 12:10:55 PM



#42
1,2-Dichloroethane
Concen: 50.957 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.0	0.0	20.6	





#43

Isopropyl Acetate

Concen: 55.885 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

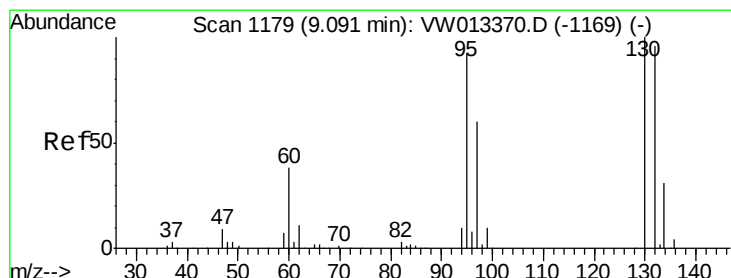
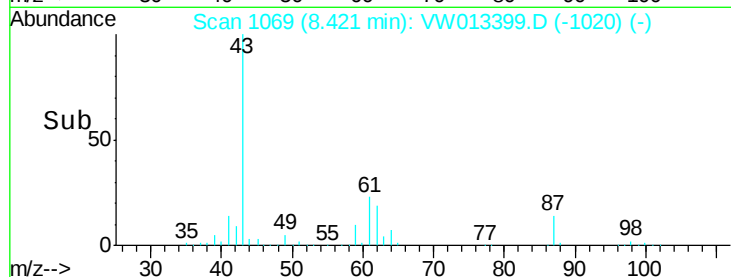
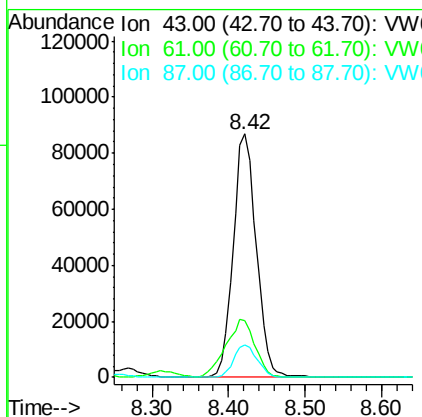
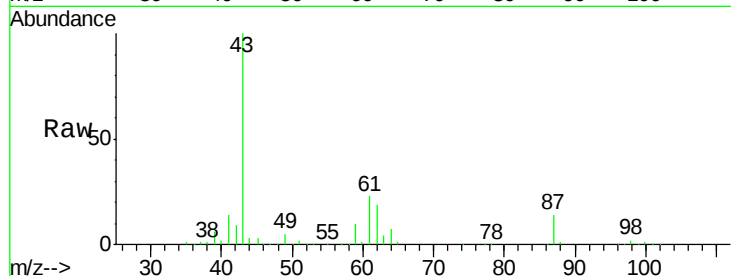
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	180766
Ion	Ratio	Lower	Upper
43	100		
61	30.1	25.5	38.3
87	13.7	11.0	16.4

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#44

Trichloroethene

Concen: 48.461 ug/l

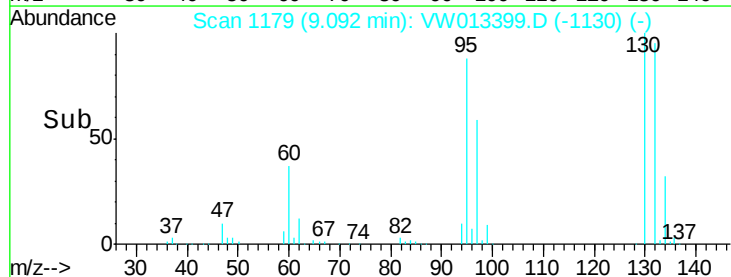
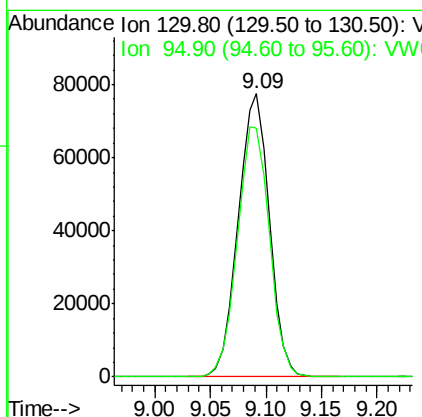
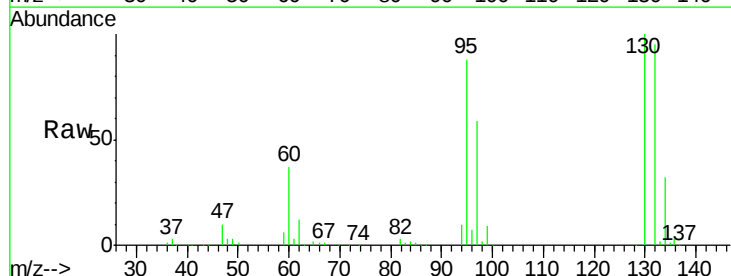
RT: 9.09 min Scan# 1179

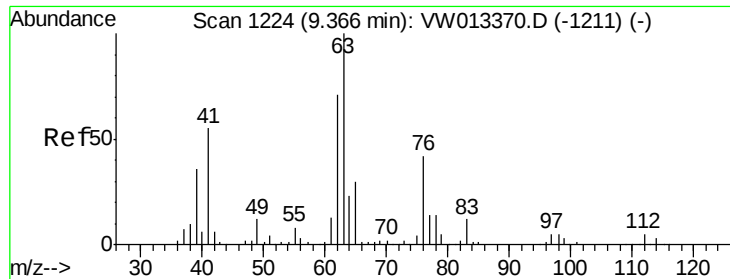
Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	130	Resp:	150430
Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 49.239 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 130320

Ion Ratio Lower Upper

63 100

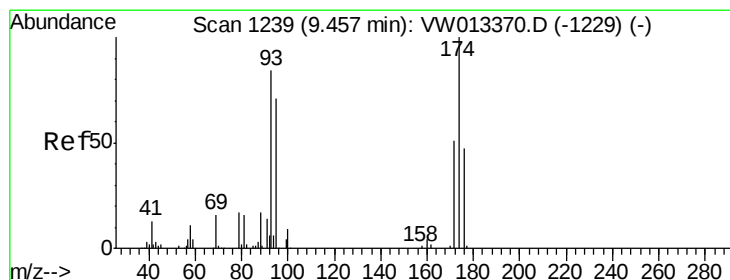
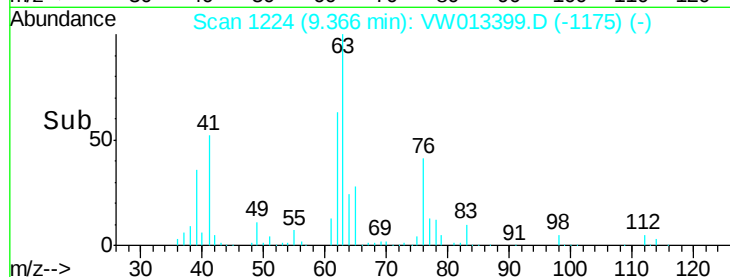
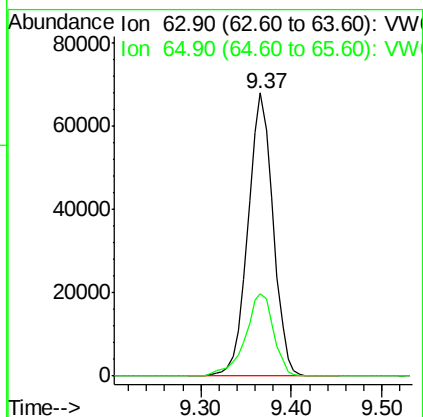
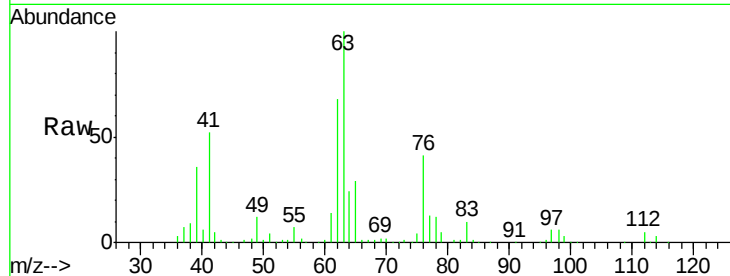
65 29.1 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 51.255 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

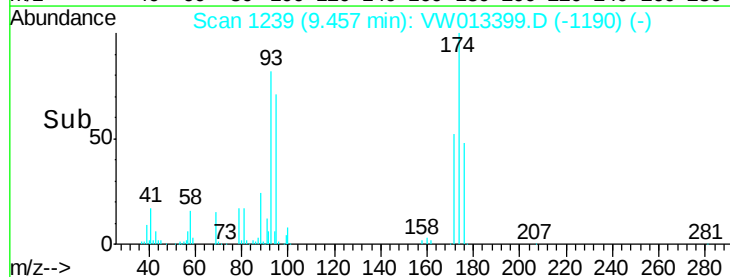
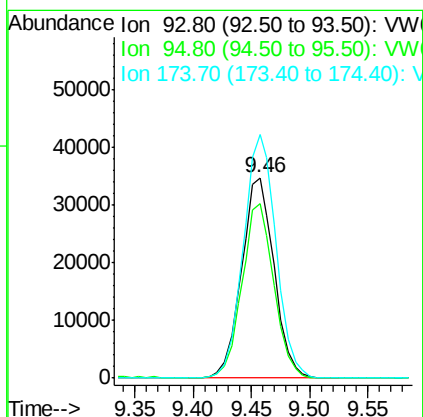
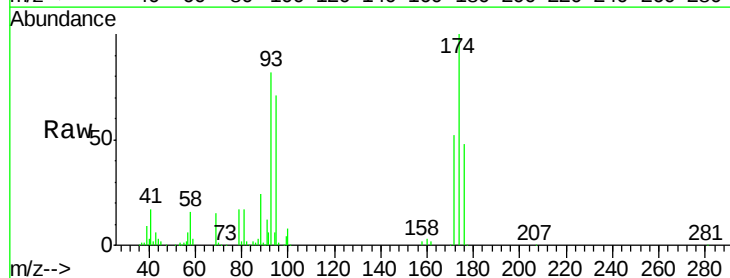
Tgt Ion: 93 Resp: 67568

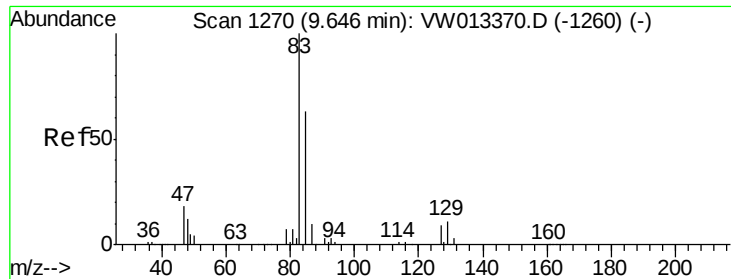
Ion Ratio Lower Upper

93 100

95 85.5 66.4 99.6

174 121.9 93.0 139.6





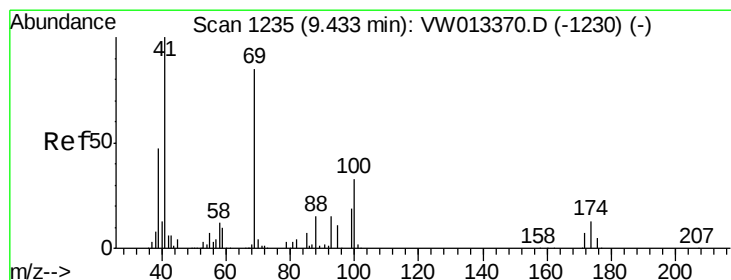
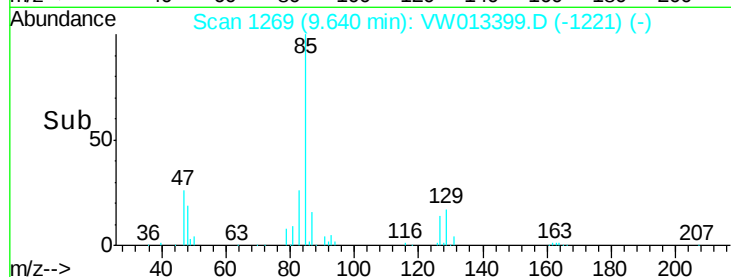
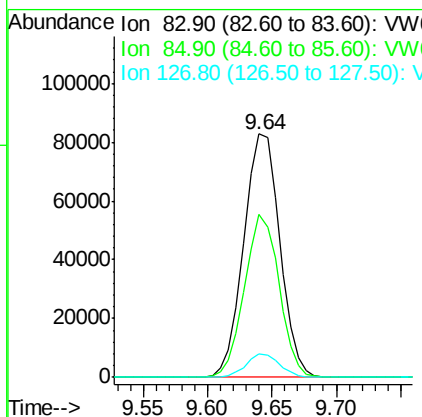
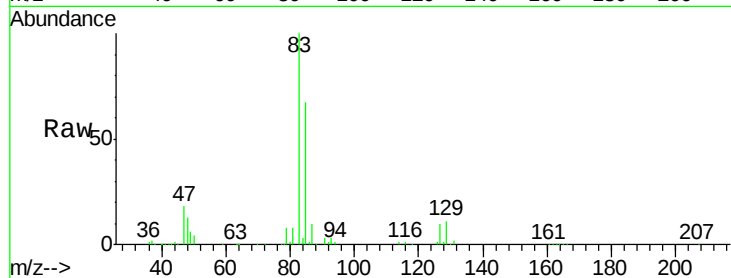
#47
Bromodichloromethane
Concen: 49.431 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	160415		
85	67.2		49.4	74.2
127	9.6		6.5	9.7

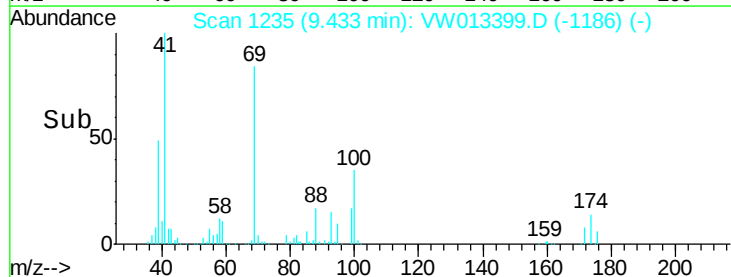
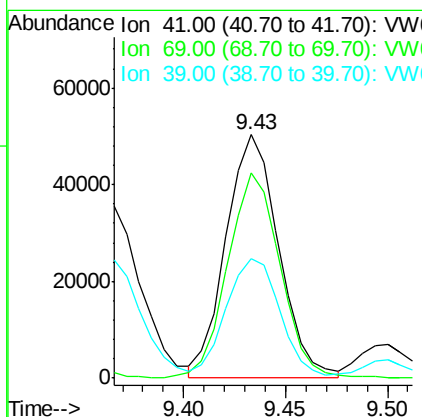
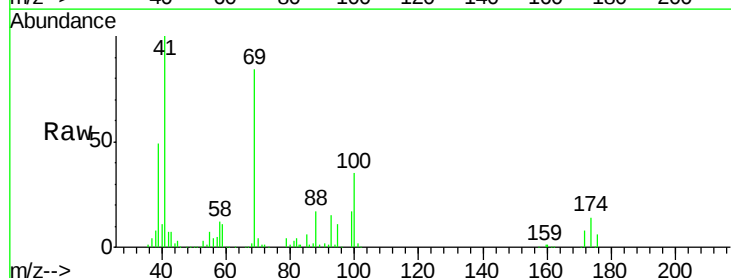
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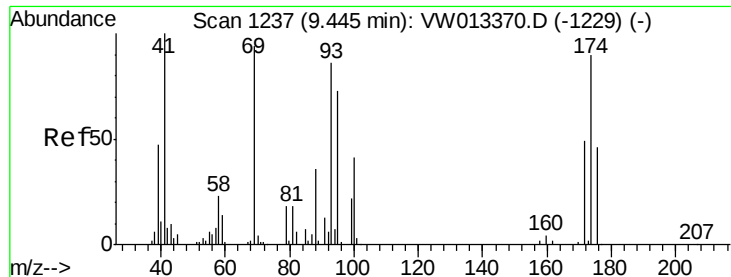
MMDadoda
10/4/2019 12:10:55 PM



#48
Methyl methacrylate
Concen: 58.049 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	90218		
69	83.9		69.7	104.5
39	47.3		41.1	61.7





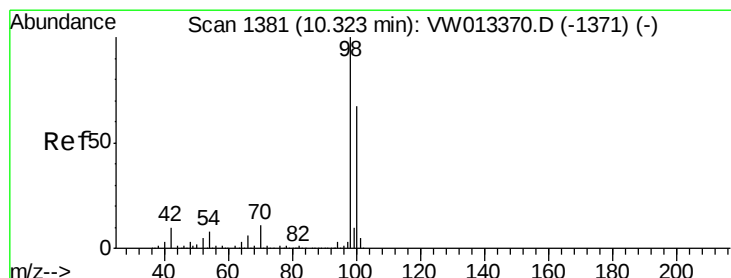
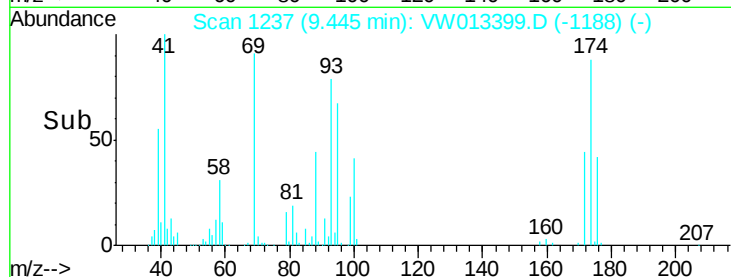
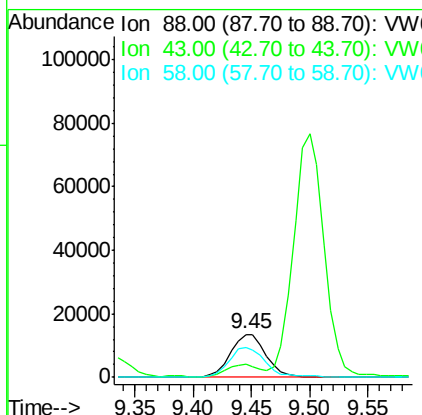
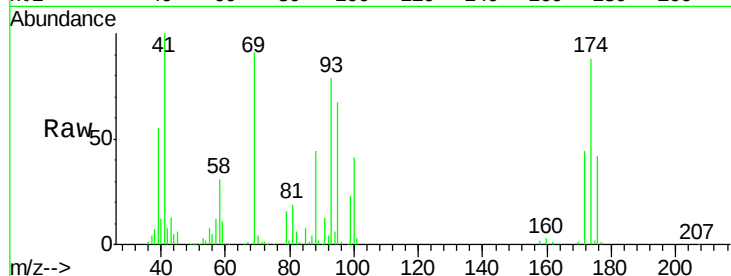
#49
1,4-Dioxane
Concen: 1419.113 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	0.0	0.0#
58	72.2	65.4	98.0

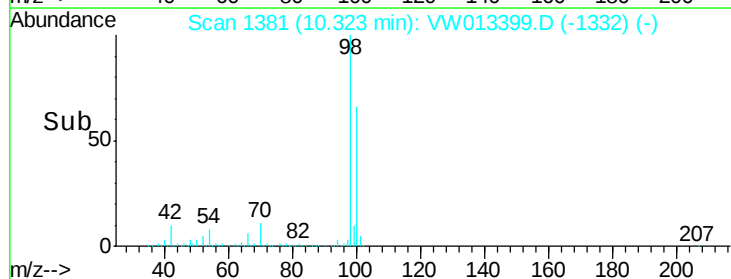
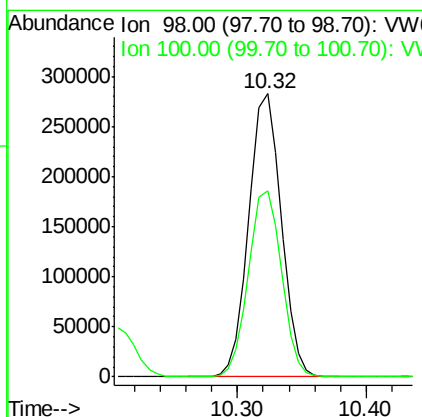
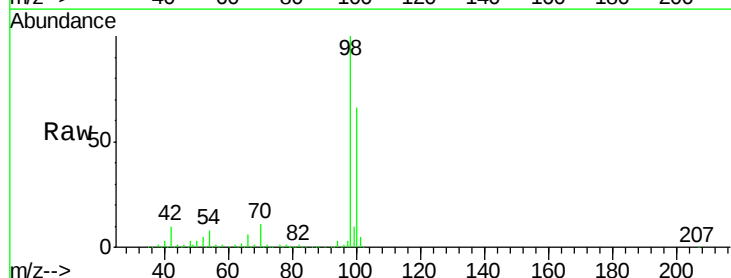
Manual Integrations
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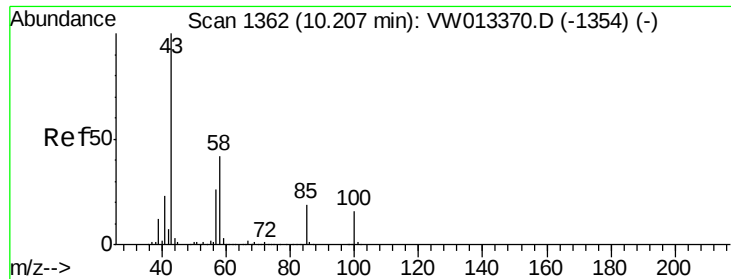
MMDadoda
10/4/2019 12:10:55 PM



#50
Toluene-d8
Concen: 54.149 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 282.640 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 480329

Ion Ratio Lower Upper

43 100

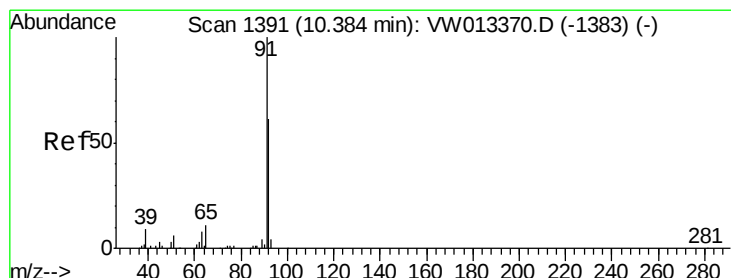
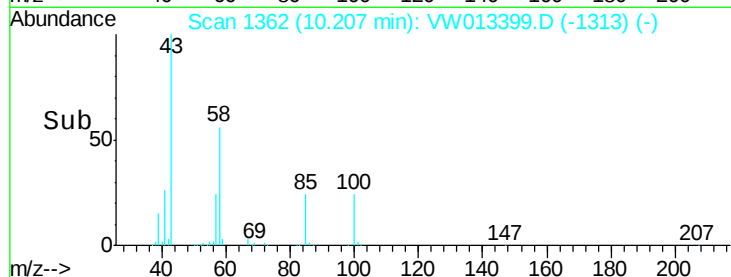
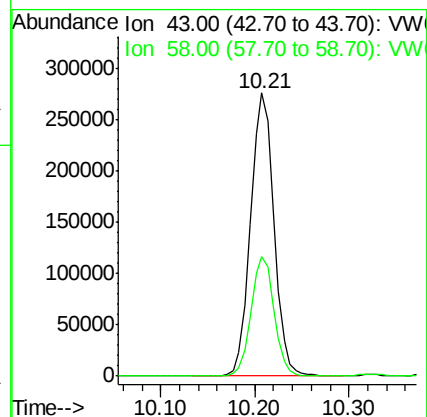
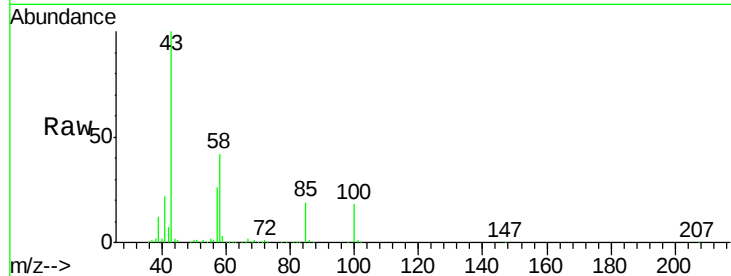
58 41.5 31.7 47.5

Manual Integrations

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#52

Toluene

Concen: 48.402 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013399.D

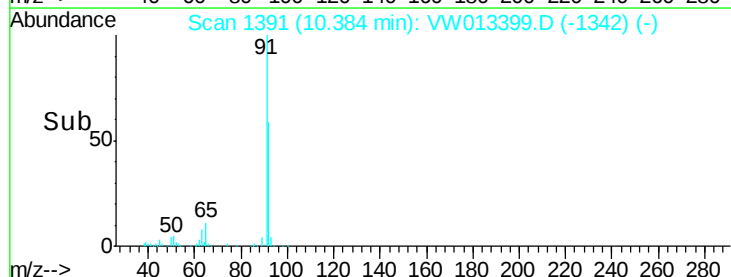
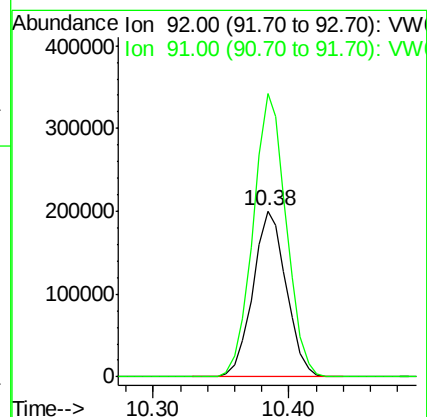
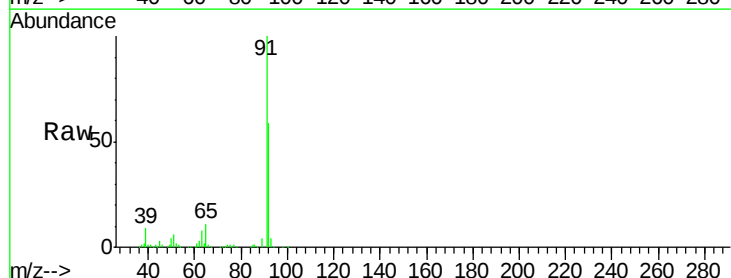
Acq: 03 Oct 2019 01:08

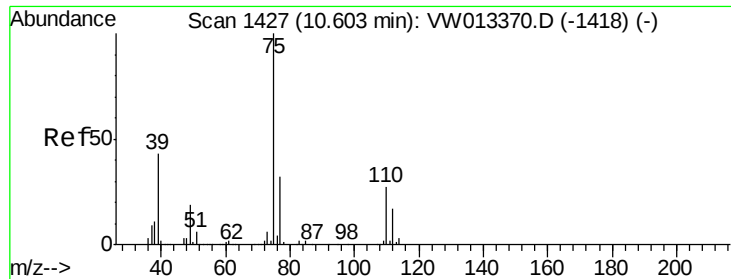
Tgt Ion: 92 Resp: 344135

Ion Ratio Lower Upper

92 100

91 169.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 49.715 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 167816

Ion Ratio Lower Upper

75 100

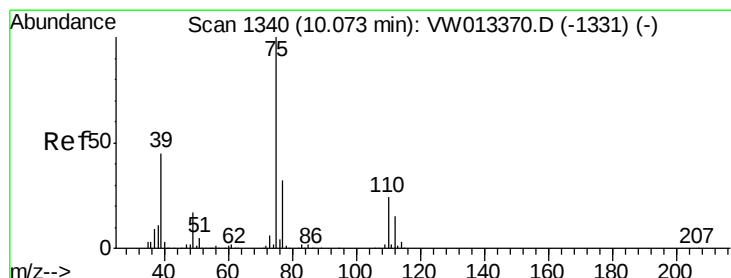
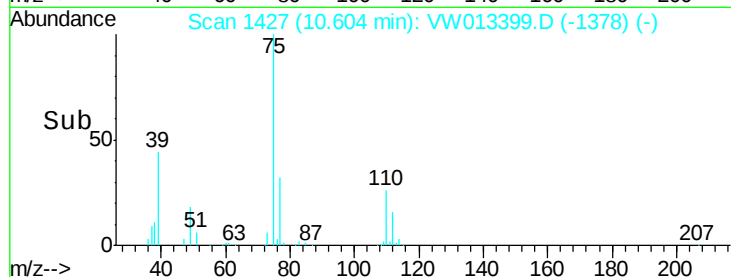
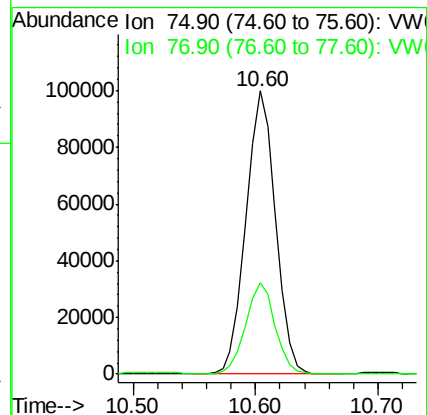
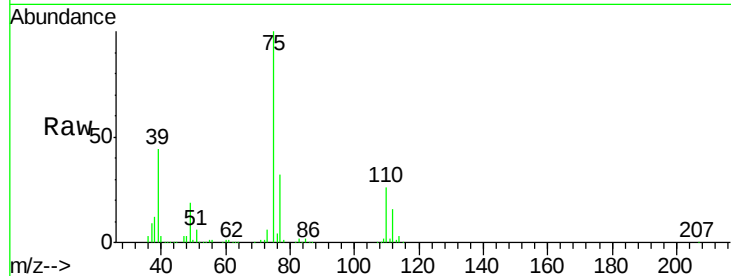
77 32.3 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.470 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

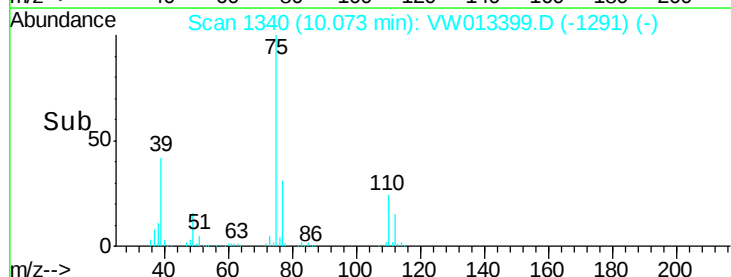
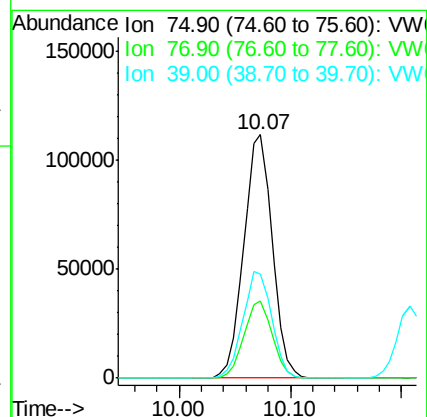
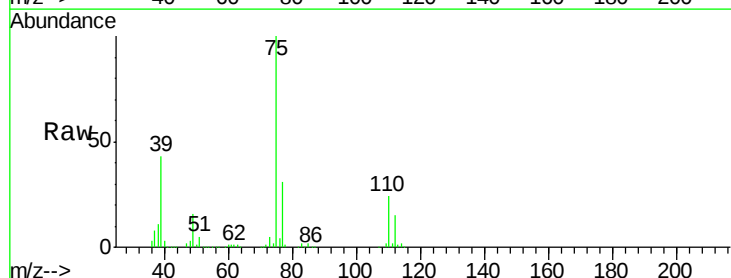
Tgt Ion: 75 Resp: 198371

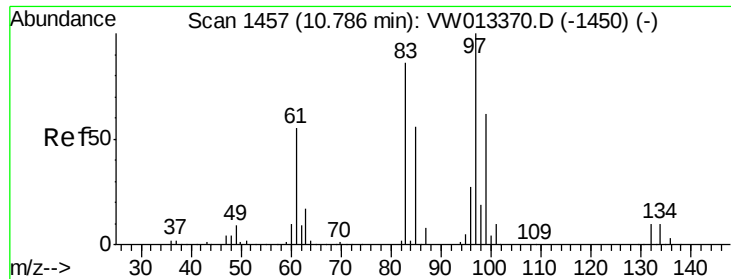
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 42.7 36.6 55.0





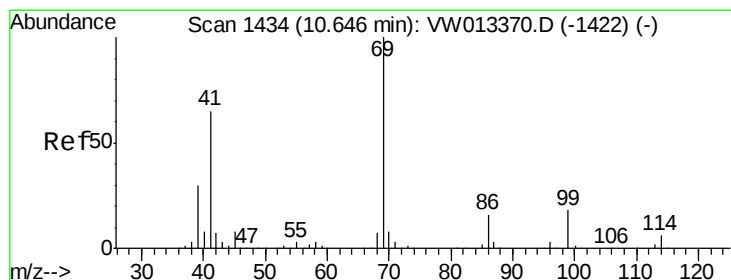
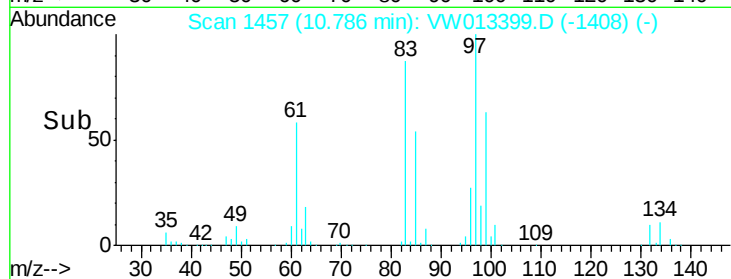
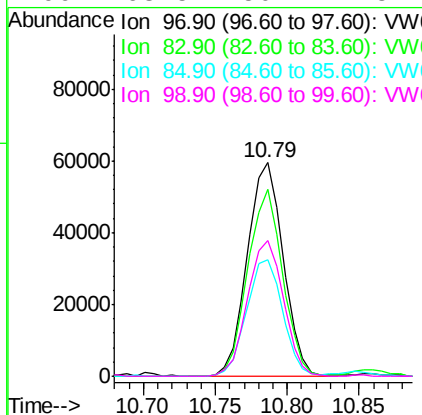
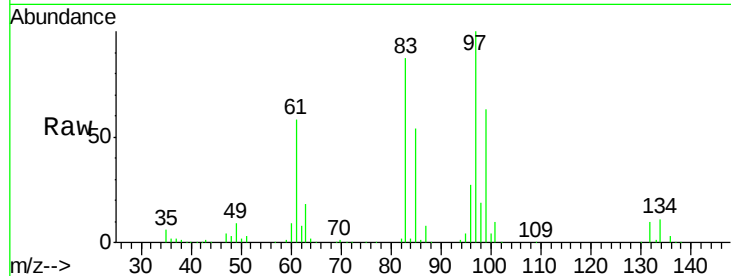
#55
 1,1,2-Trichloroethane
 Concen: 52.181 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	102618
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.6	101.4
85	54.4	41.9	62.9
99	63.5	50.1	75.1

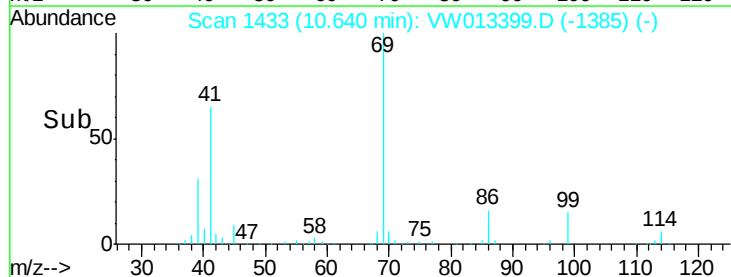
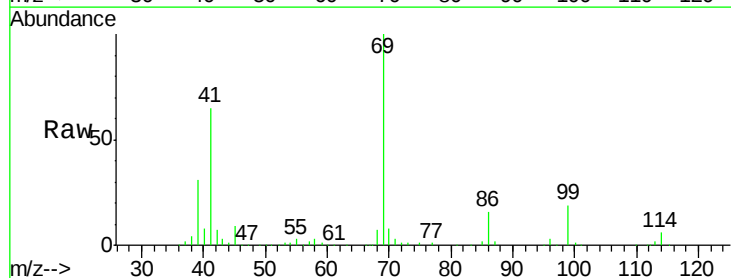
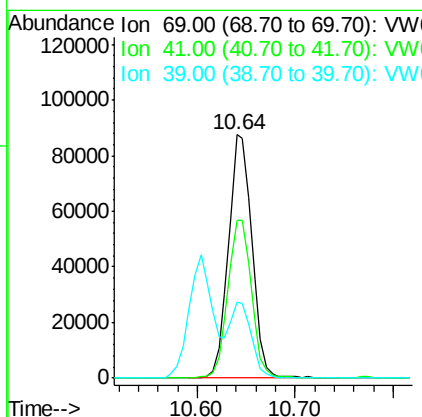
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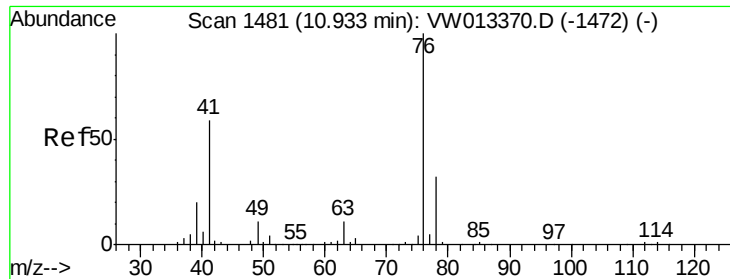
MMDadoda
 10/4/2019 12:10:55 PM



#56
 Ethyl methacrylate
 Concen: 55.077 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion:	69	Resp:	145787
Ion	Ratio	Lower	Upper
69	100		
41	65.9	53.9	80.9
39	27.5	23.8	35.6





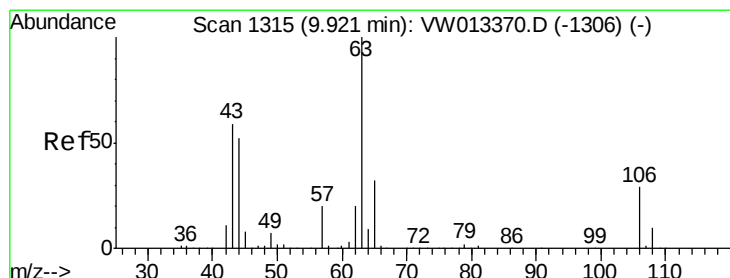
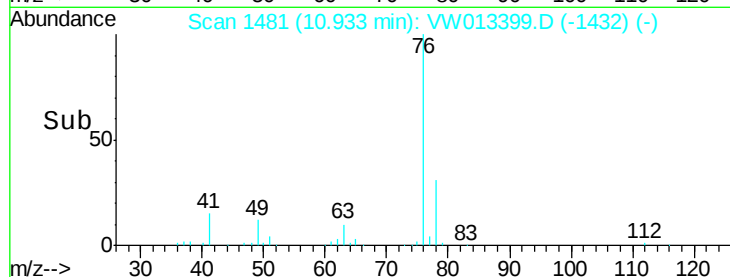
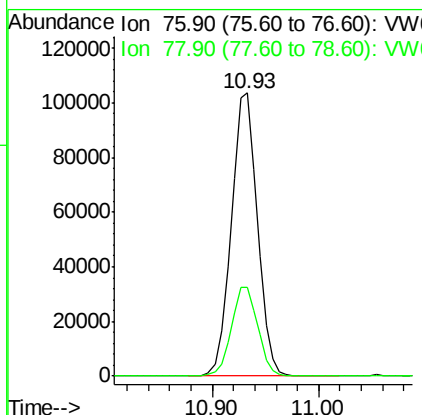
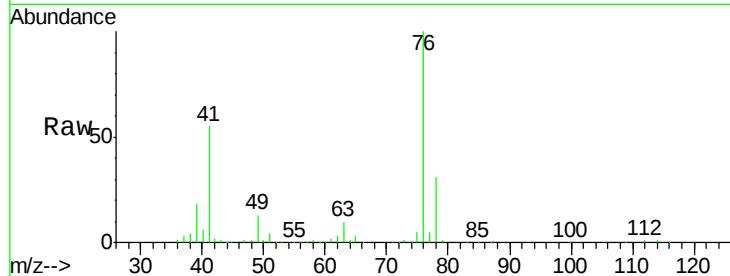
#57
 1,3-Dichloropropane
 Concen: 52.080 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 178051
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

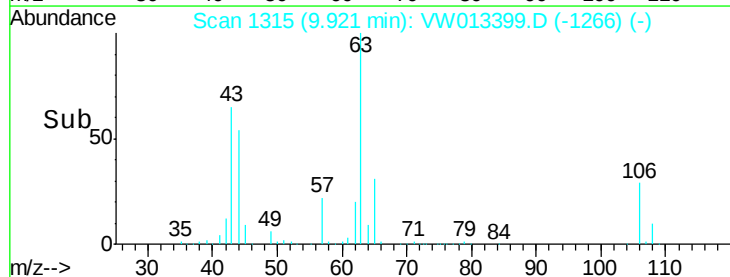
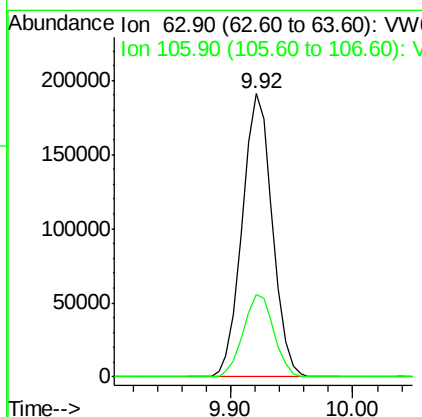
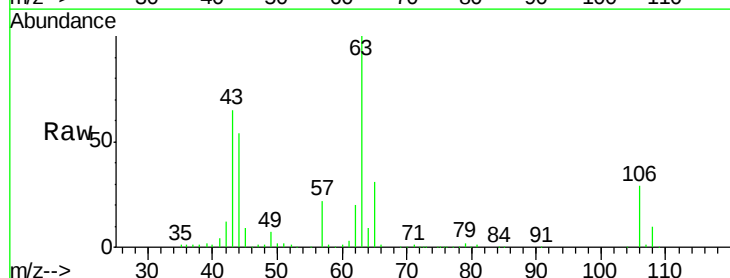
Manual Integrations
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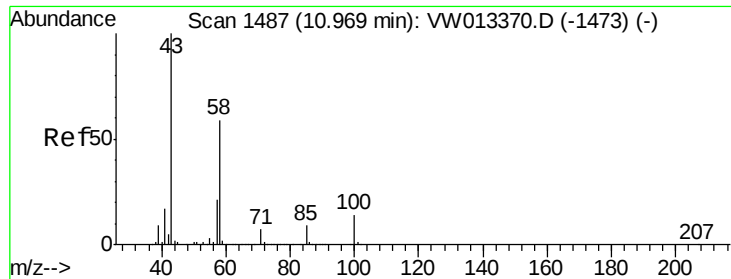
MMDadoda
 10/4/2019 12:10:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.611 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion: 63 Resp: 325773
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.4 35.0





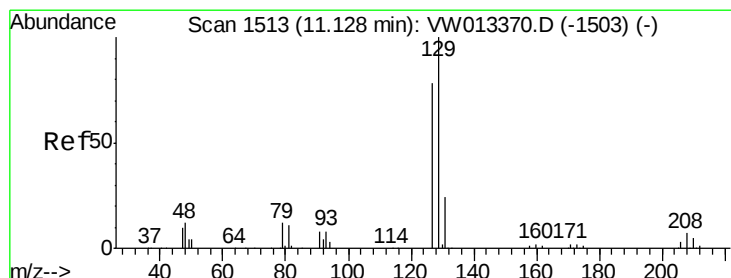
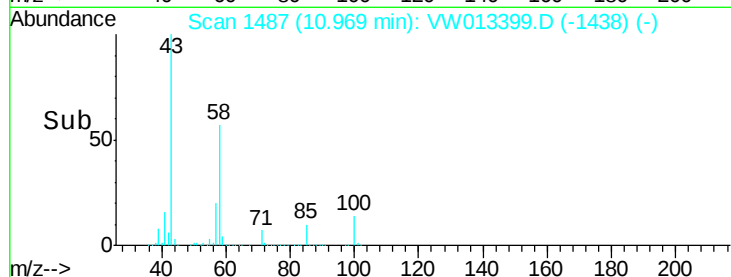
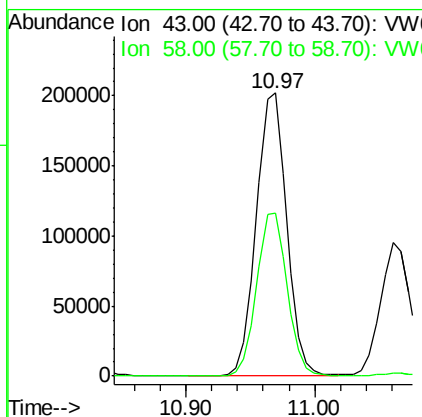
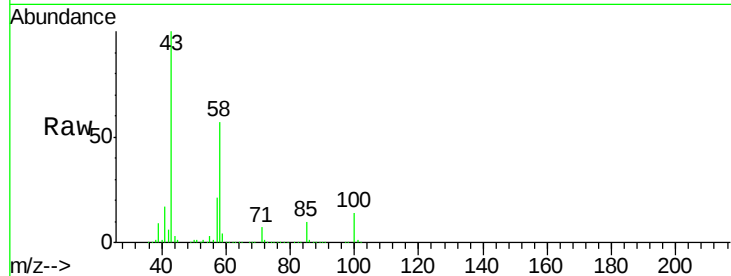
#59
2-Hexanone
Concen: 280.649 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 330584
Ion Ratio Lower Upper
43 100
58 57.7 28.1 84.2

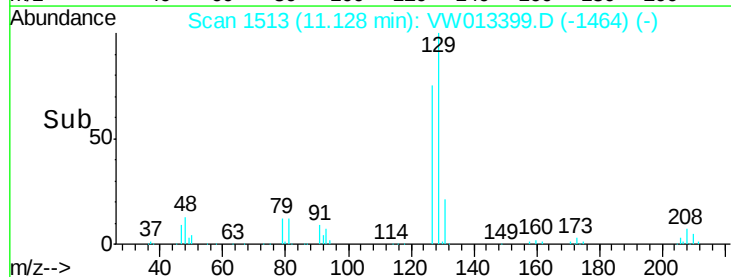
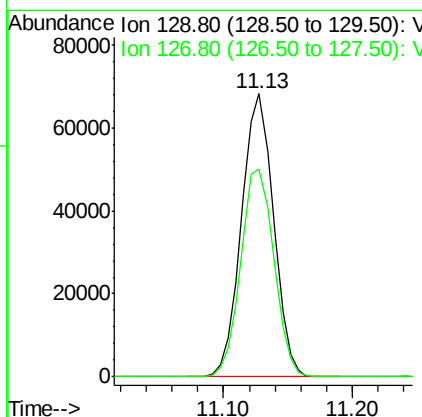
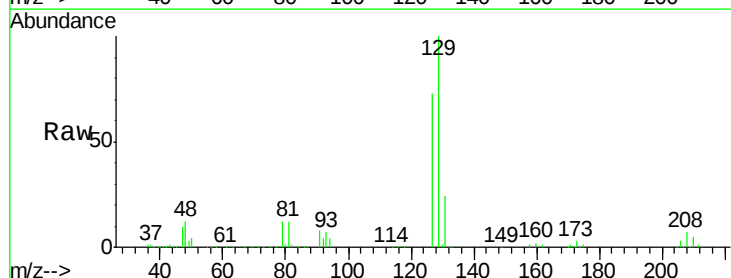
Manual Integrations
APPROVED

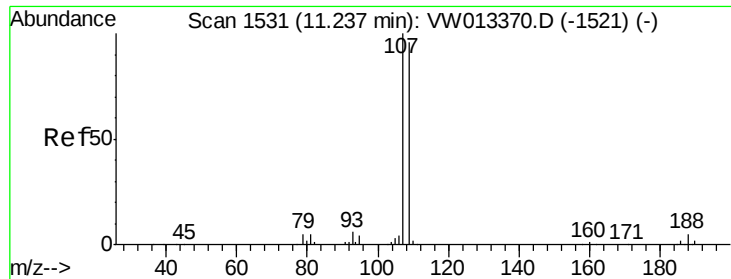
MMDadoda
10/4/2019 12:10:55 PM



#60
Dibromochloromethane
Concen: 52.128 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 129 Resp: 117276
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.4





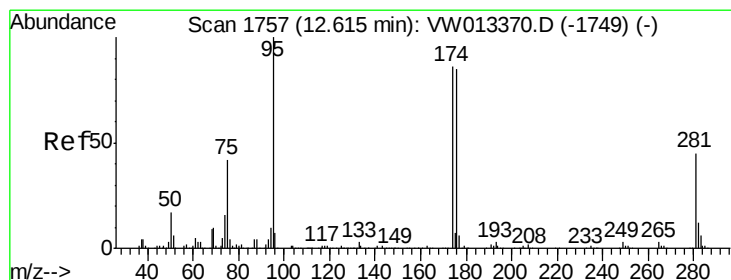
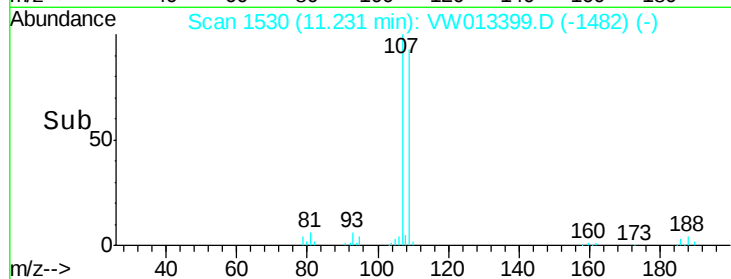
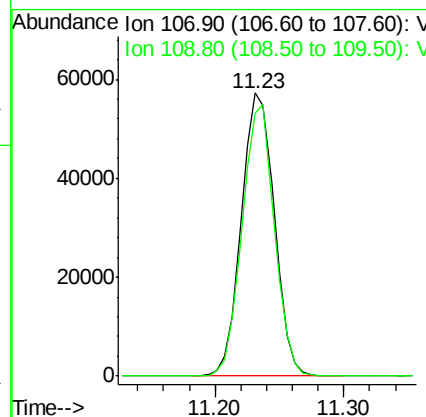
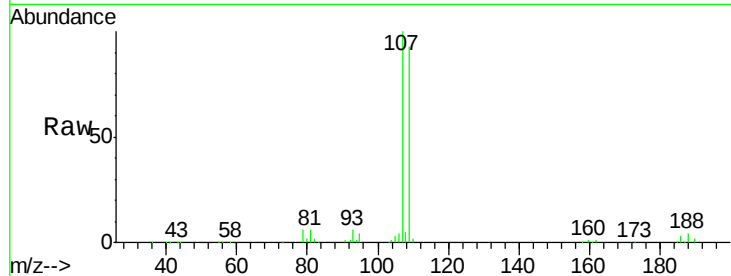
#61
1,2-Dibromoethane
Concen: 53.353 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8

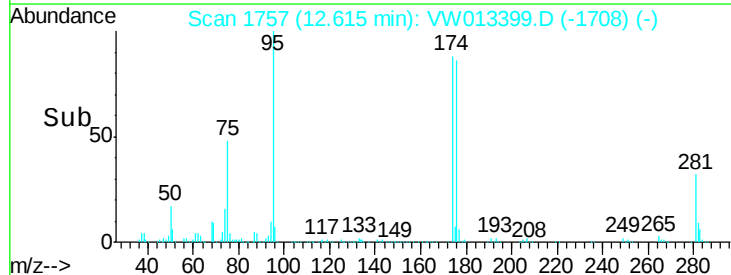
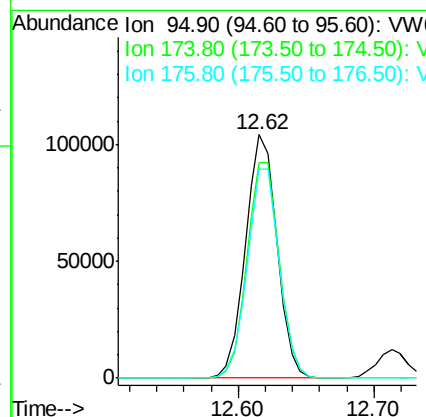
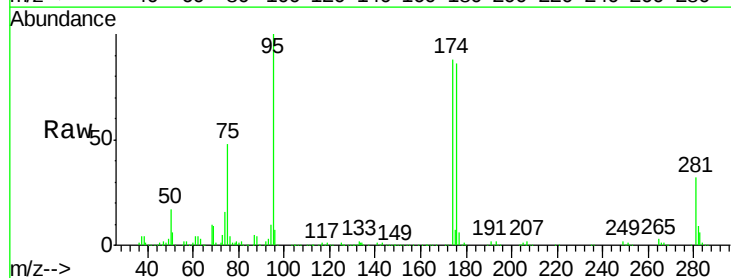
Manual Integrations
APPROVED

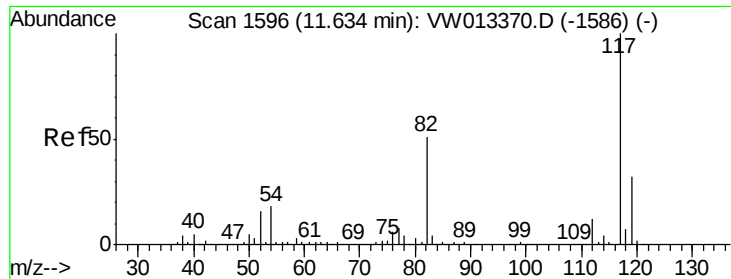
MMDadoda
10/4/2019 12:10:55 PM



#62
4-Bromofluorobenzene
Concen: 55.260 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	178.4
176	87.8	0.0	172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

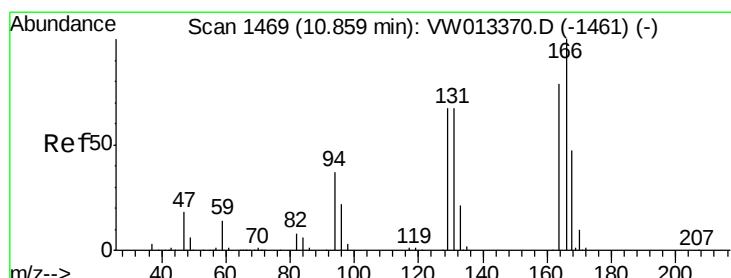
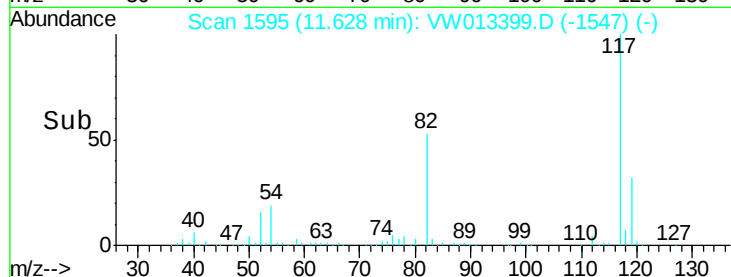
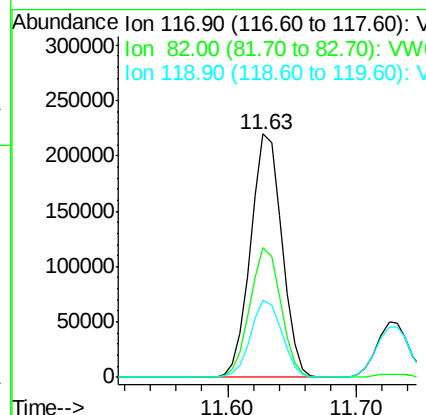
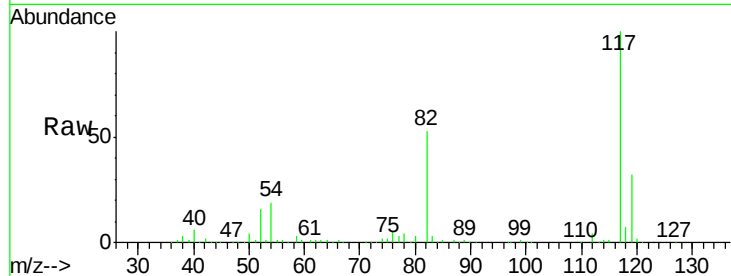
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	366929
Ion Ratio	Lower	Upper	
117	100		
82	53.4	45.9	68.9
119	31.9	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:10:55 PM



#64

Tetrachloroethene

Concen: 50.863 ug/l

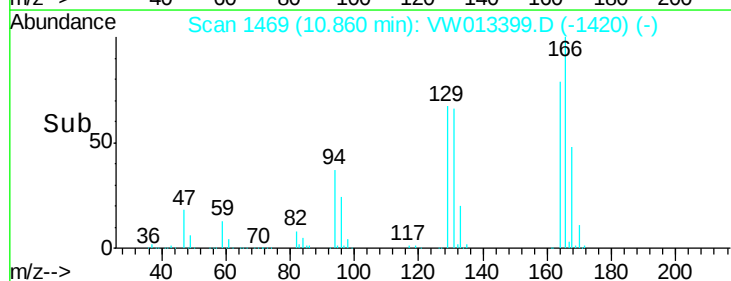
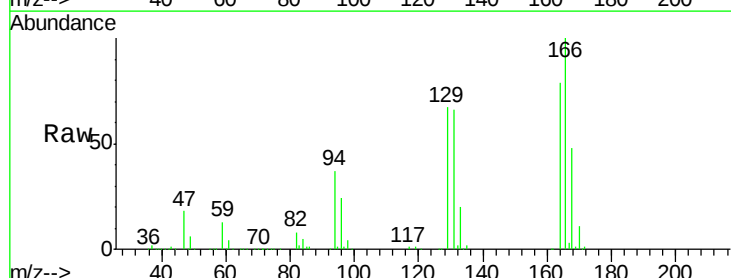
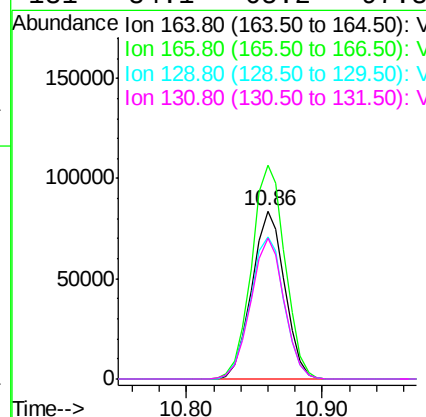
RT: 10.86 min Scan# 1469

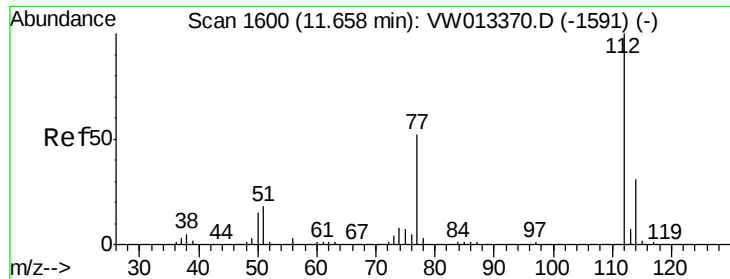
Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	164	Resp:	141987
Ion Ratio	Lower	Upper	
164	100		
166	127.1	101.2	151.8
129	84.7	68.8	103.2
131	84.1	65.2	97.8





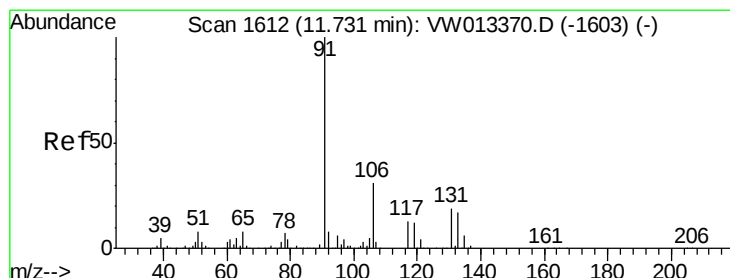
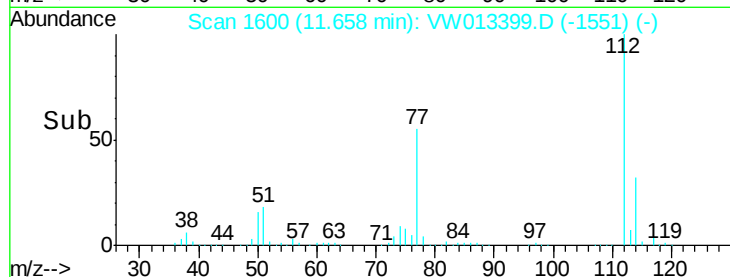
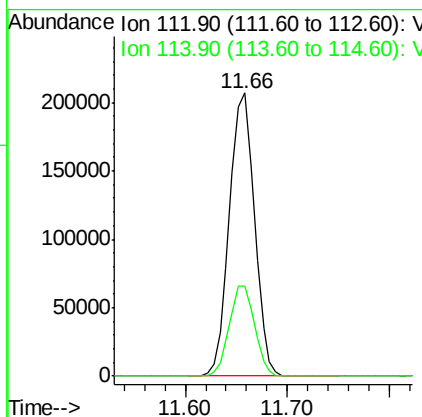
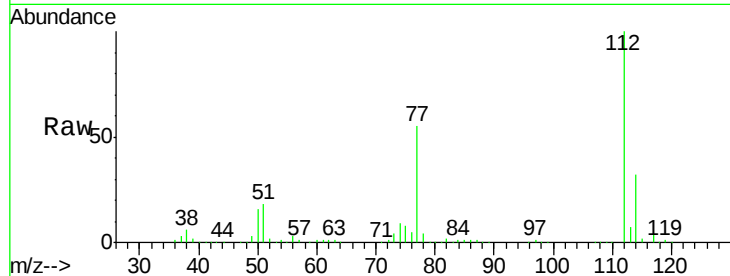
#65
Chlorobenzene
Concen: 46.849 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 352178
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7

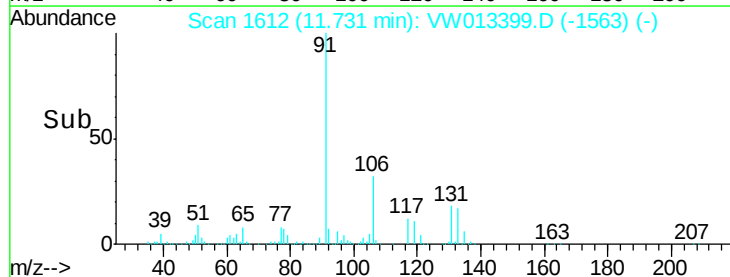
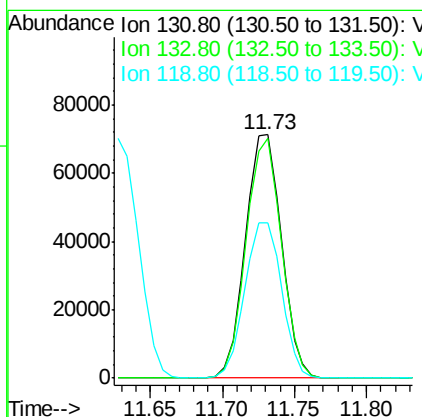
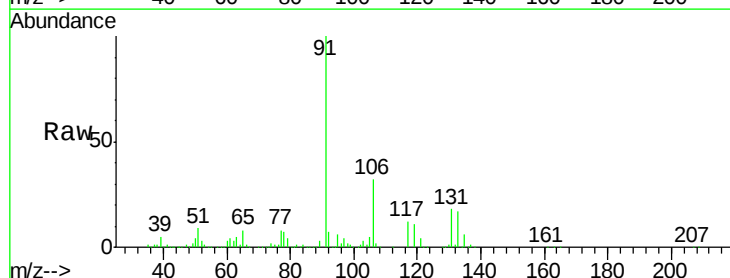
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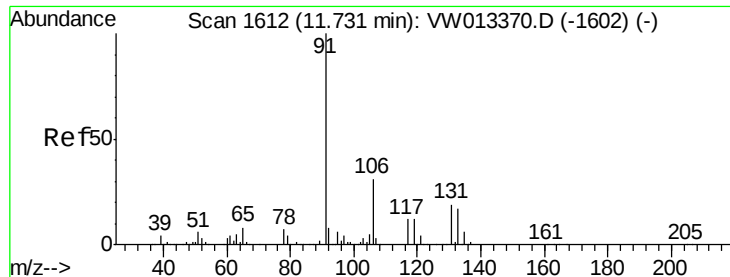
MMDadoda
10/4/2019 12:10:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.378 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion:131 Resp: 123865
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 65.4 32.5 97.5





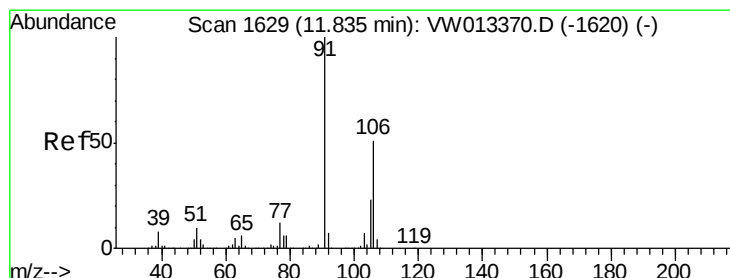
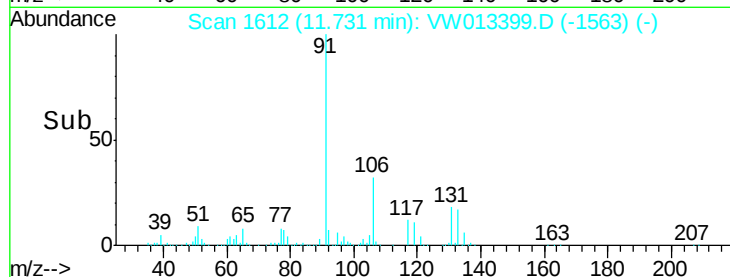
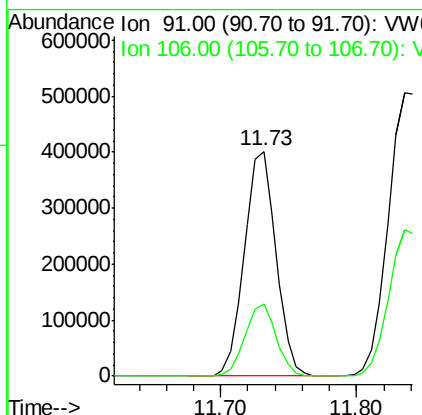
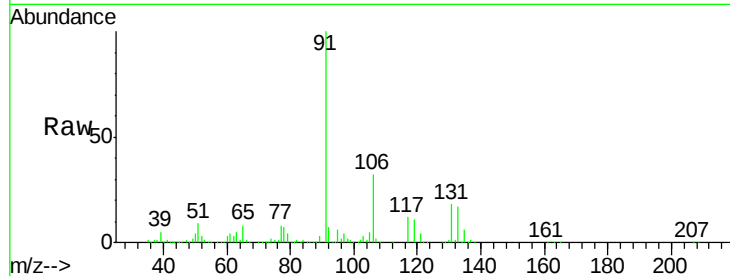
#67
Ethyl Benzene
Concen: 48.600 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 654782
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

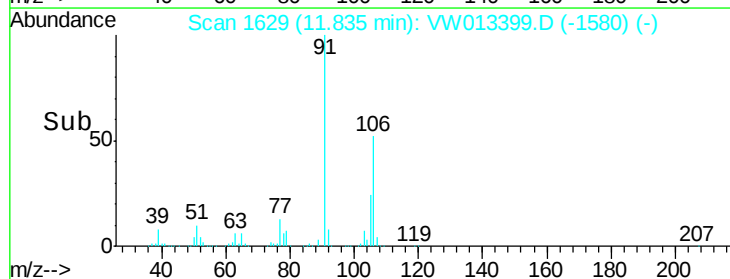
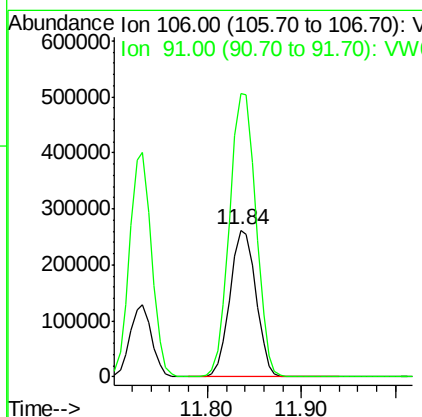
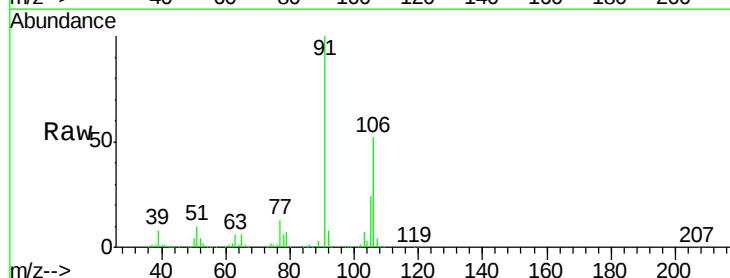
Manual Integrations
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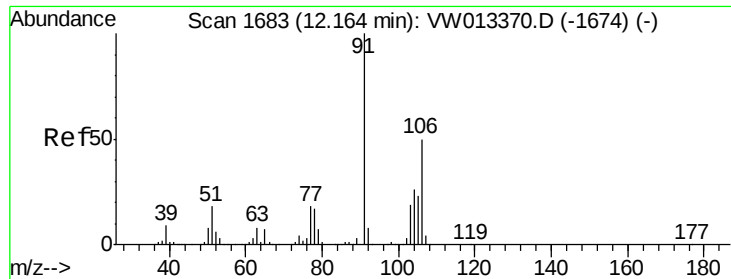
MMDadoda
10/4/2019 12:10:55 PM



#68
m/p-Xylenes
Concen: 96.722 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion: 106 Resp: 502990
Ion Ratio Lower Upper
106 100
91 195.6 157.9 236.9





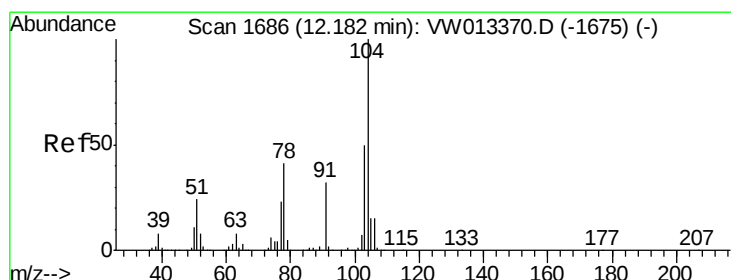
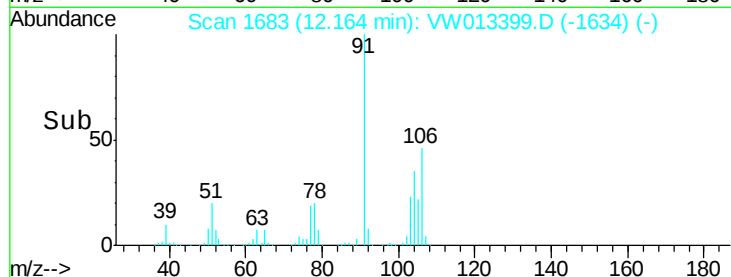
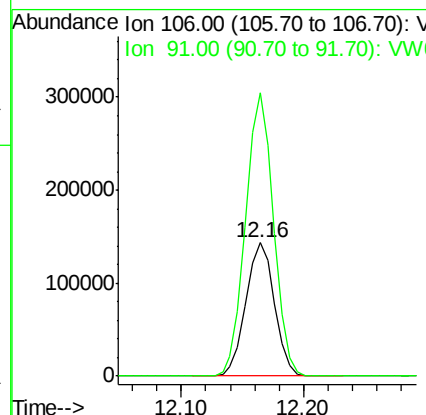
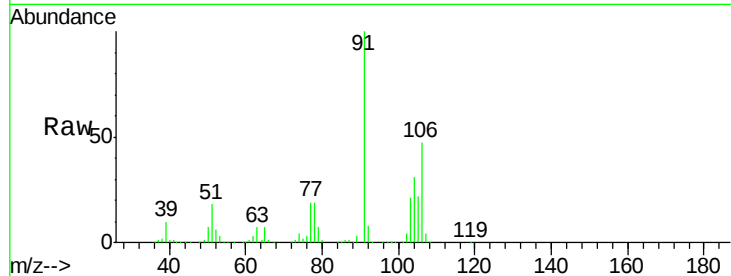
#69
o-Xylene
Concen: 48.299 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.4	106.5	319.5

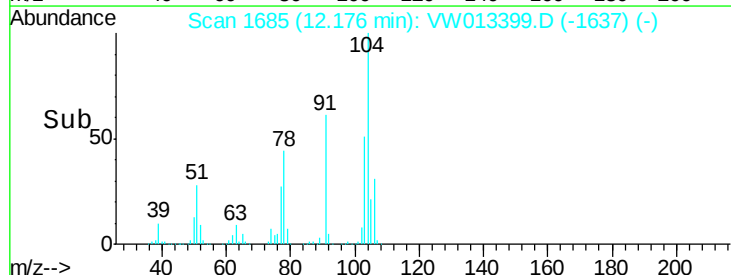
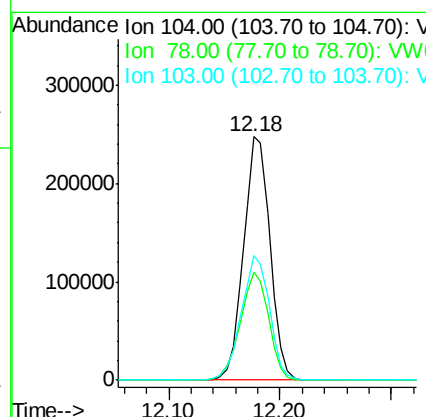
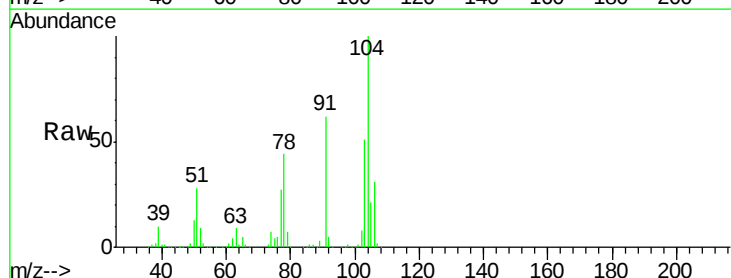
Manual Integrations
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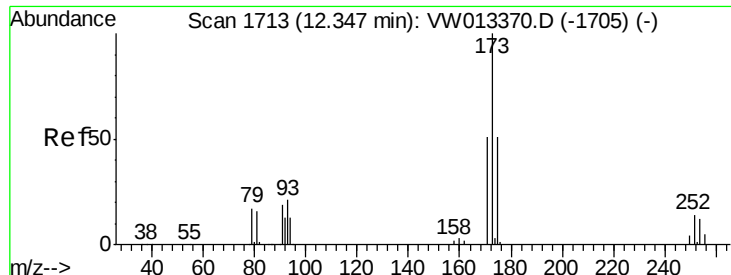
MMDadoda
10/4/2019 12:10:55 PM



#70
Styrene
Concen: 49.512 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	38.4	57.6
103	54.4	43.3	64.9





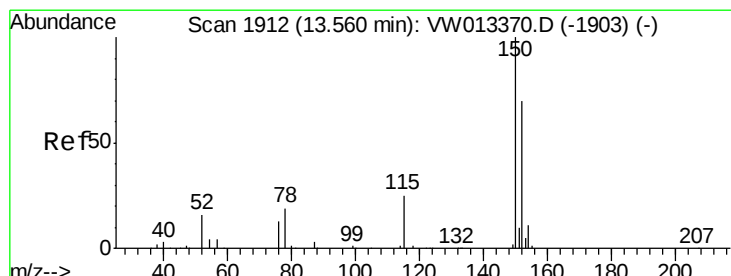
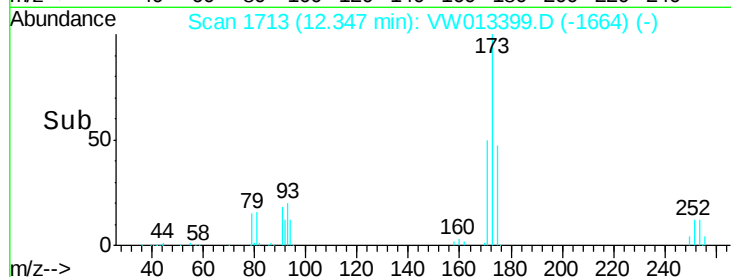
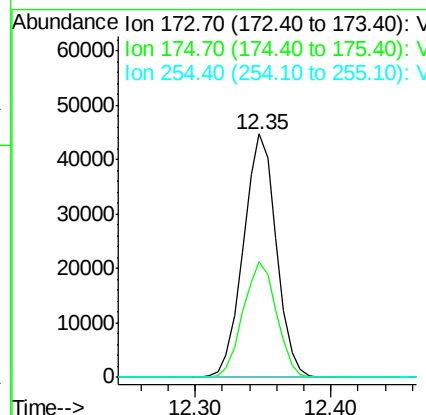
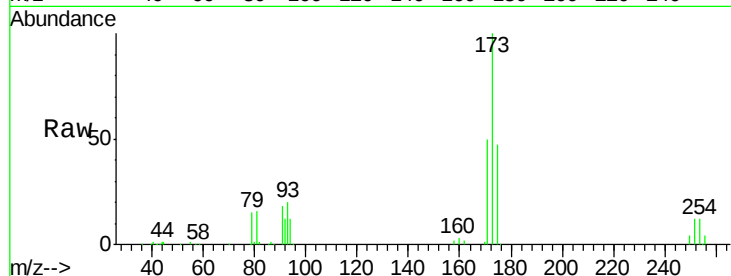
#71
Bromoform
Concen: 54.344 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.2	0.1	0.1#

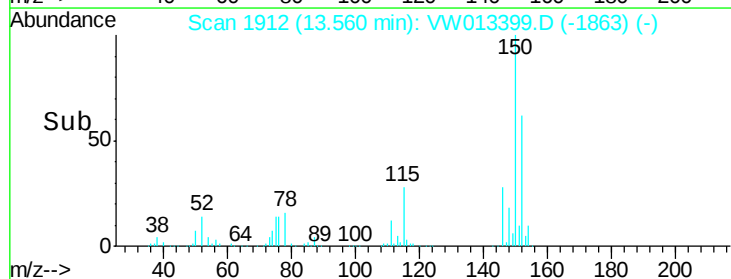
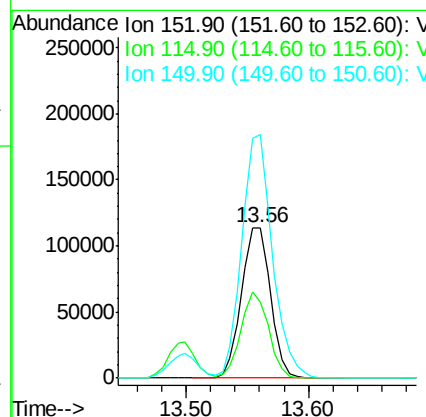
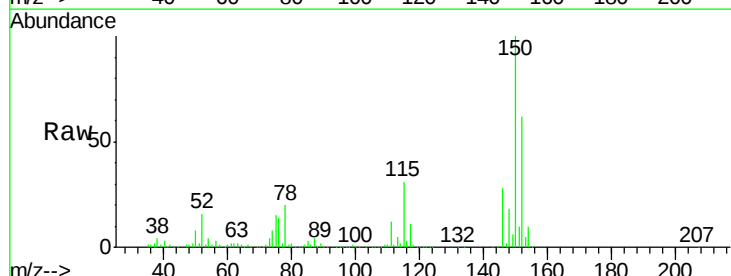
Manual Integrations
APPROVED

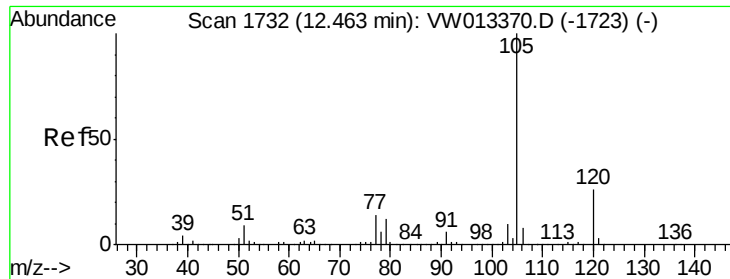
MMDadoda
10/4/2019 12:10:55 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	170.7	0.0	349.0





#73

Isopropylbenzene

Concen: 47.843 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 652955

Ion Ratio Lower Upper

105 100

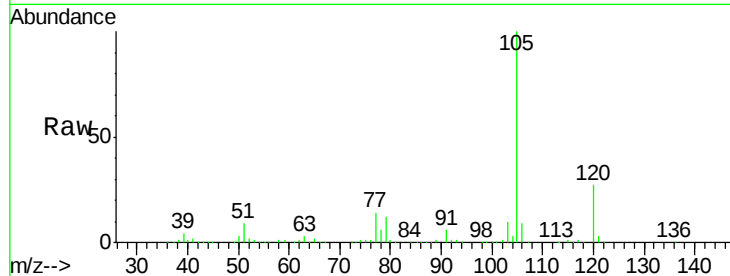
120 27.1 13.4 40.1

Manual Integrations

APPROVED

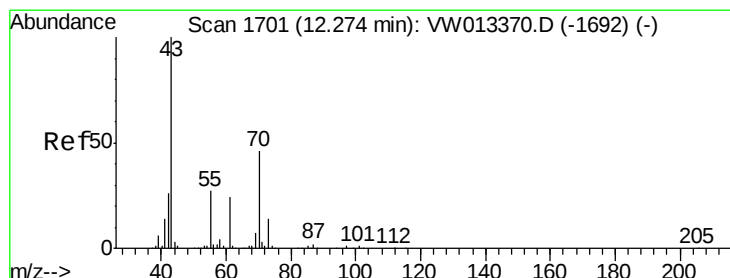
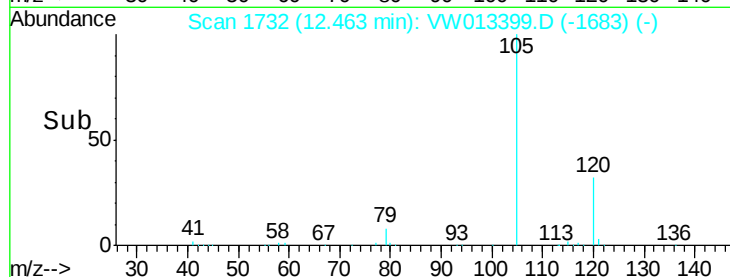
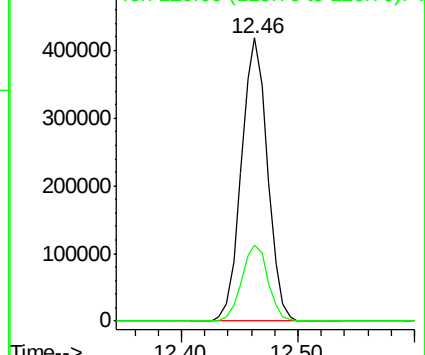
MMDadoda

10/4/2019 12:10:55 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.589 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion: 43 Resp: 161459

Ion Ratio Lower Upper

43 100

70 44.8 35.1 52.7

55 25.2 19.9 29.9

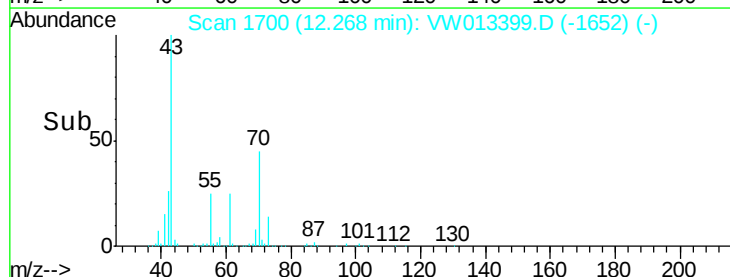
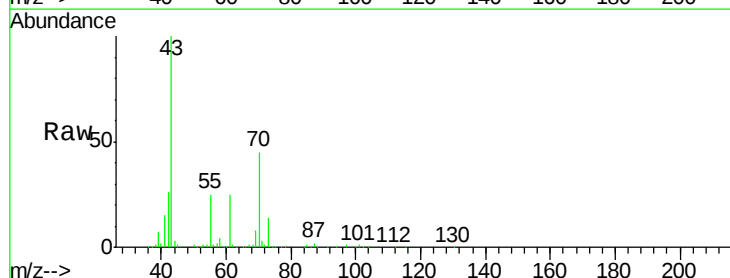
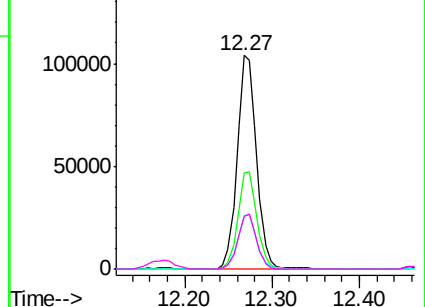
61 25.0 19.5 29.3

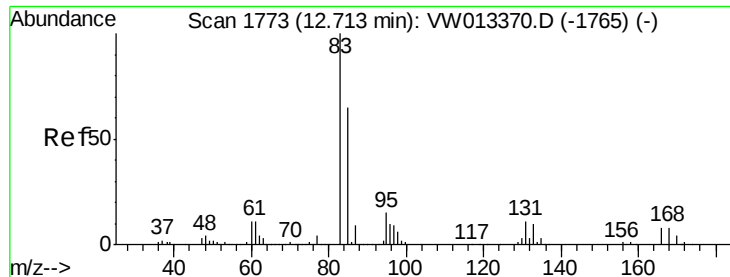
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 53.674 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

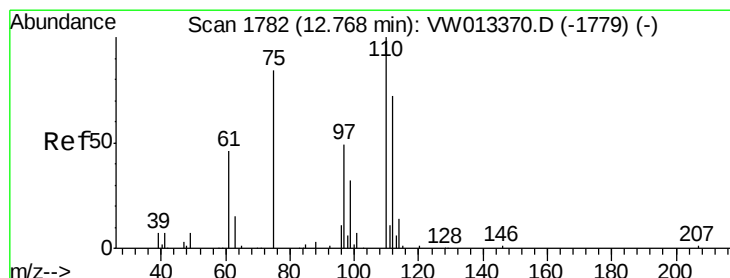
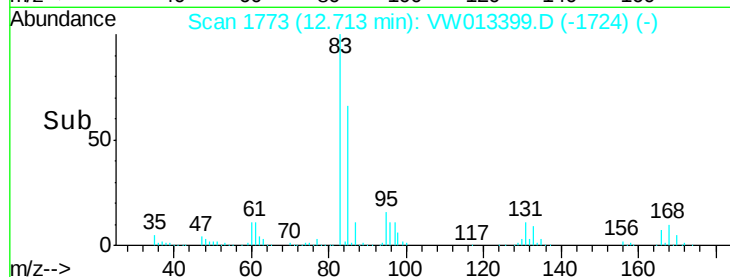
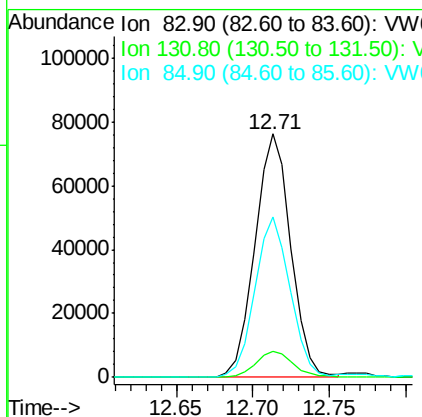
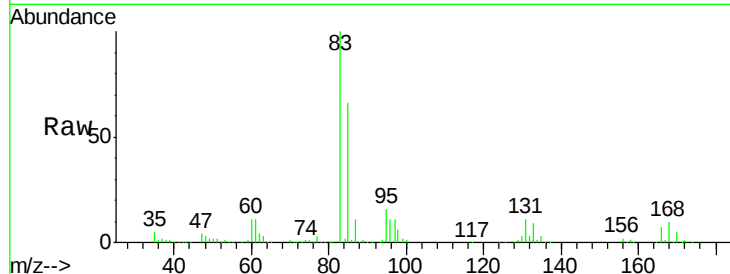
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	123987
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.6	31.9	95.9

Manual Integrations
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MMDadoda
10/4/2019 12:10:55 PM



#76

1,2,3-Trichloropropane

Concen: 46.909 ug/l m

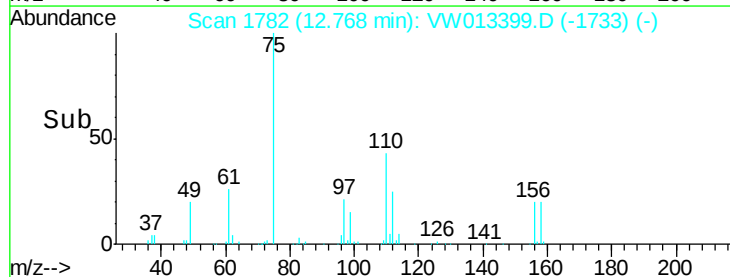
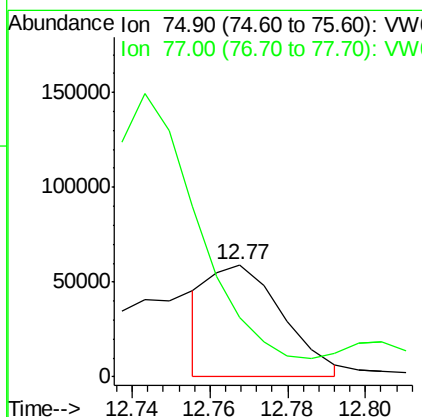
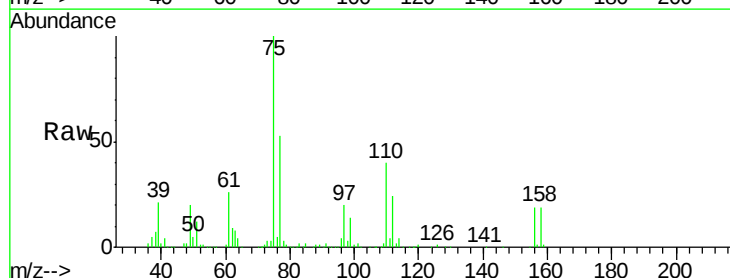
RT: 12.77 min Scan# 1782

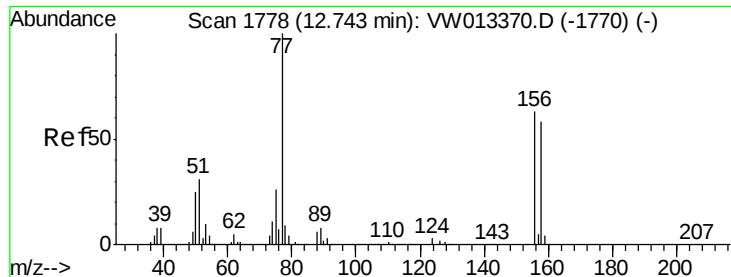
Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	75	Resp:	77788
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.812 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

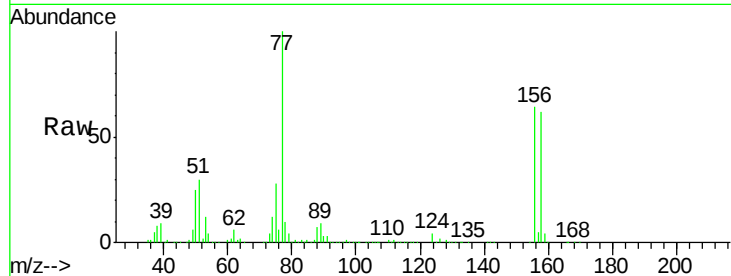
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.9	85.7	257.1
158	96.6	48.1	144.4

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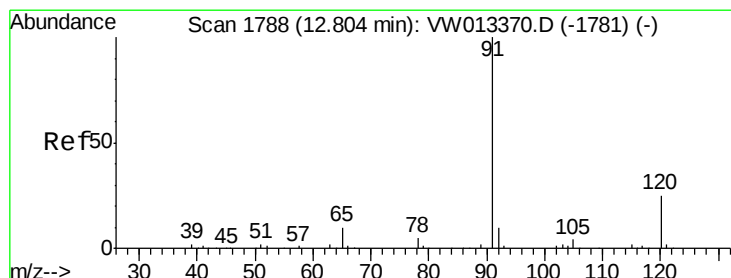
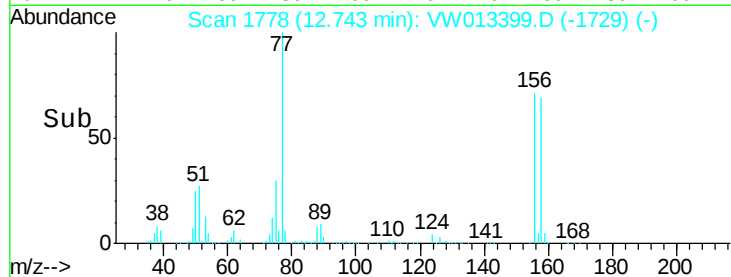
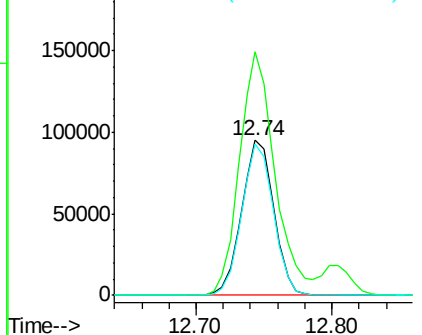


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.220 ug/l

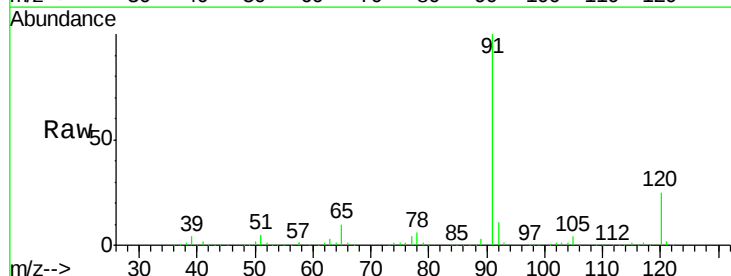
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

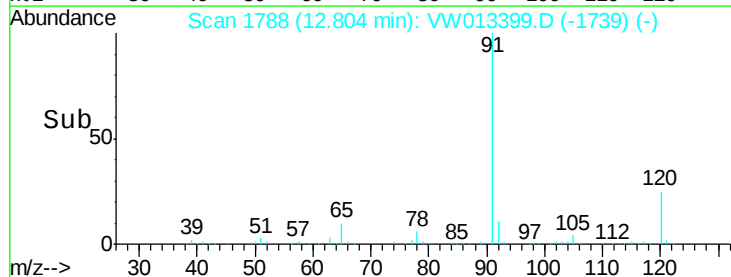
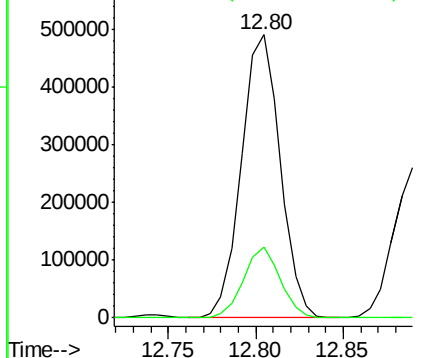
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.7	35.1

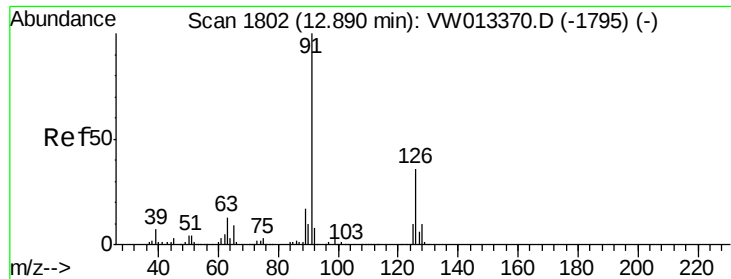


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





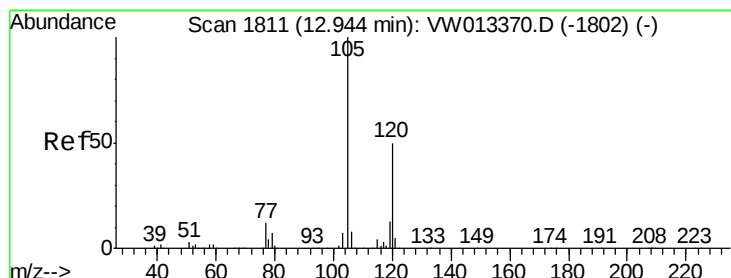
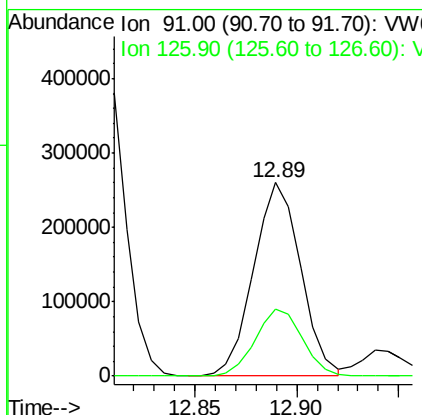
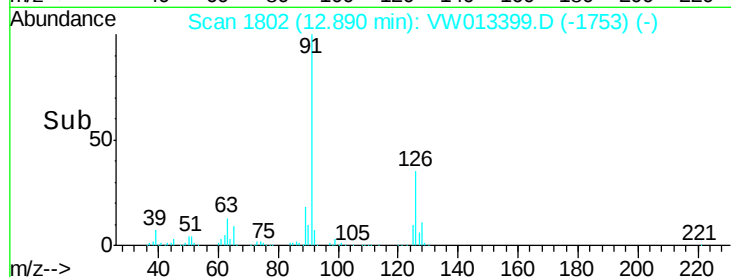
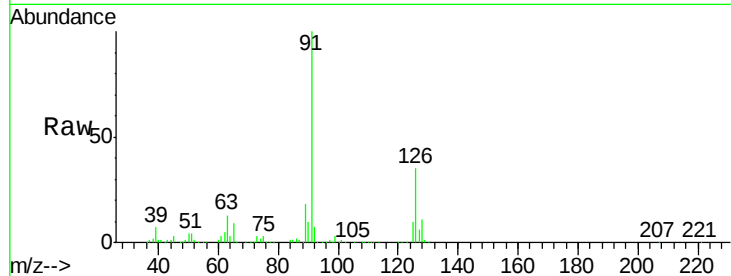
#79
 2-Chlorotoluene
 Concen: 47.856 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 417287
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.2 51.5

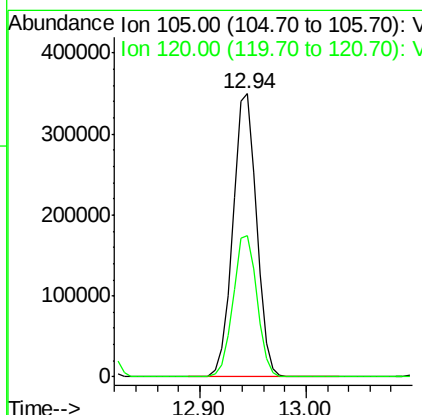
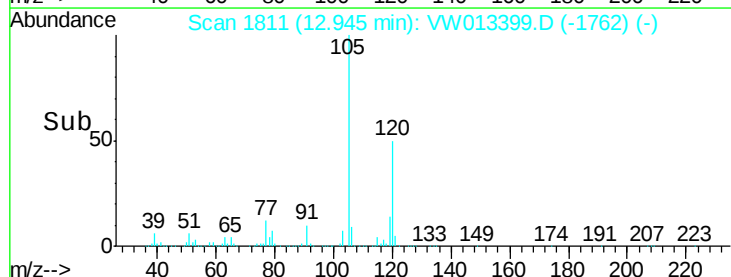
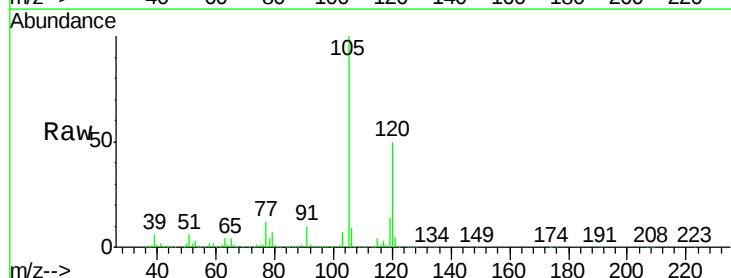
Manual Integrations
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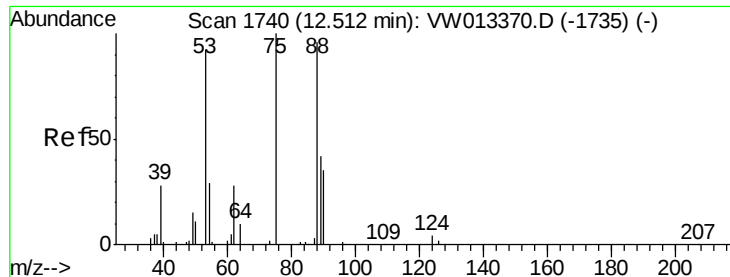
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.175 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion: 105 Resp: 546170
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.8





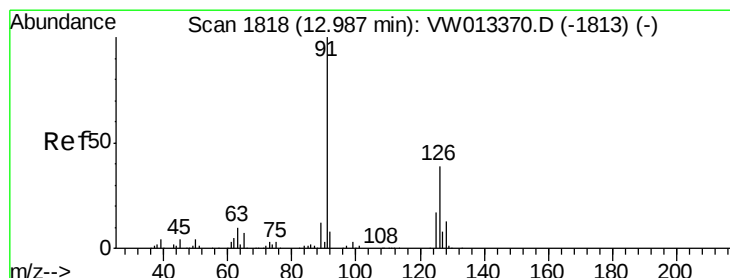
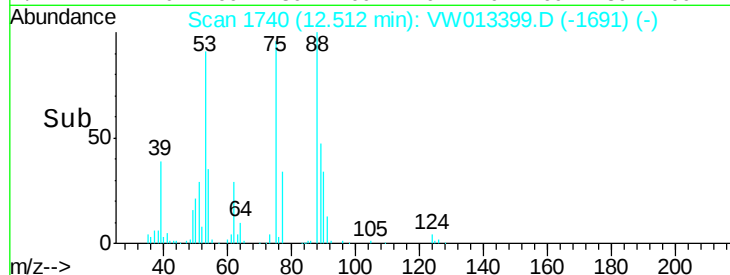
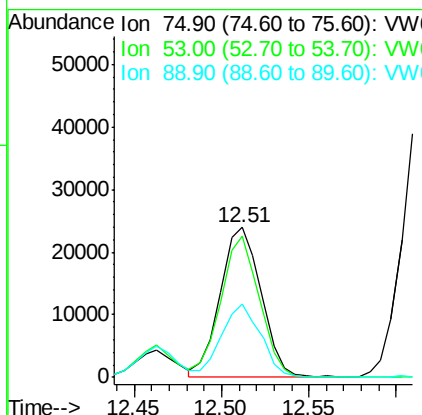
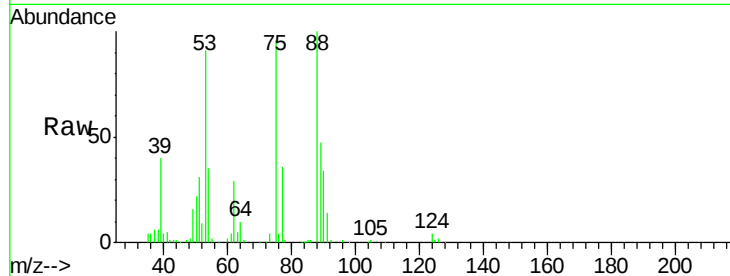
#81
trans-1,4-Dichloro-2-butene
Concen: 49.759 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	76.6	114.8
89	46.4	33.5	50.3

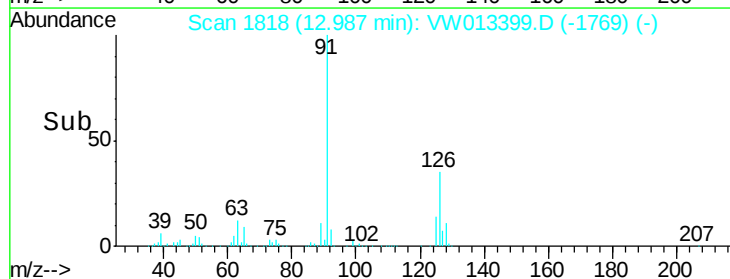
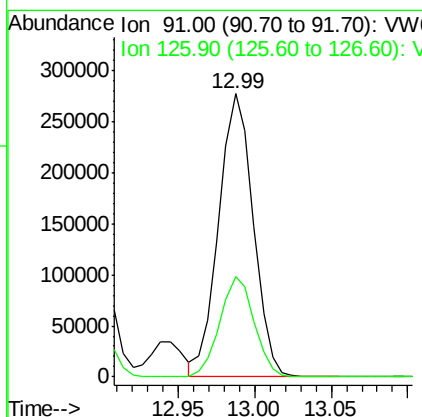
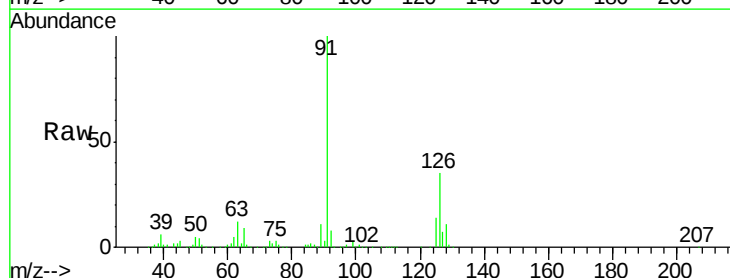
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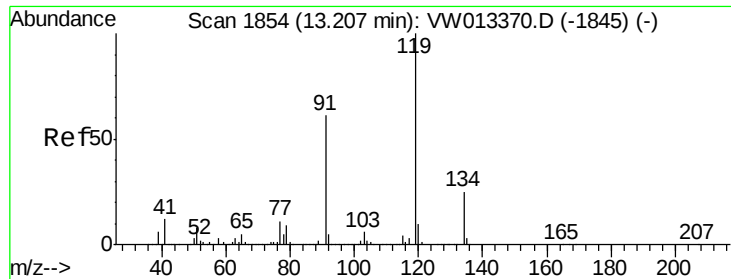
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.538 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	51.7





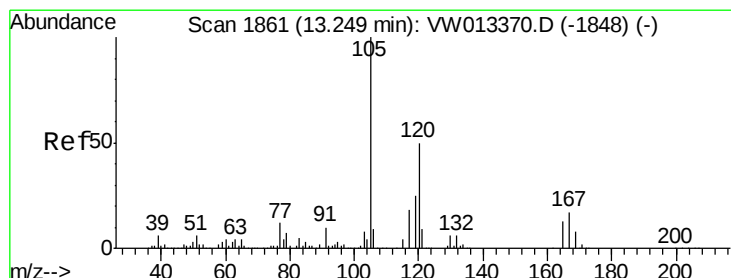
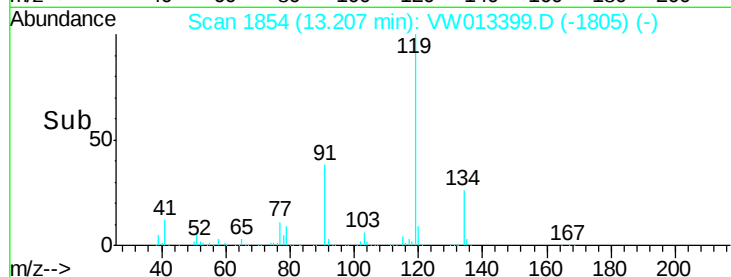
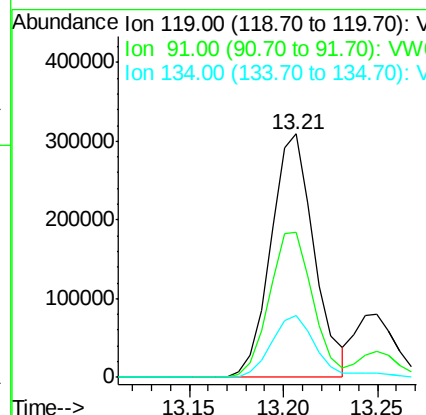
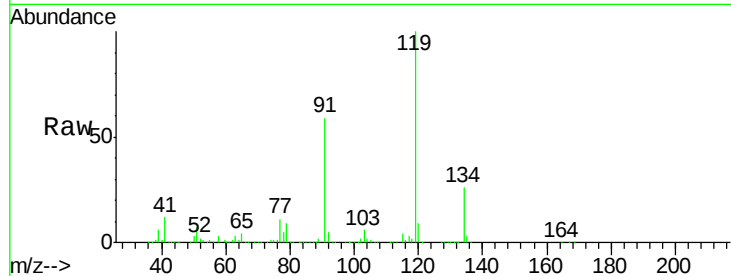
#83
tert-Butylbenzene
Concen: 49.570 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.7	92.1
134	25.6	12.6	37.6

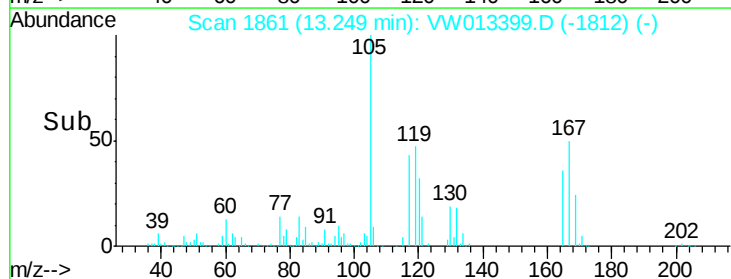
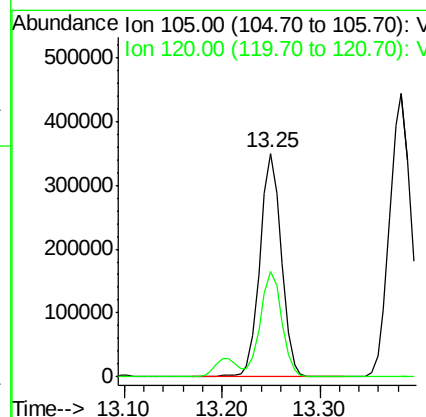
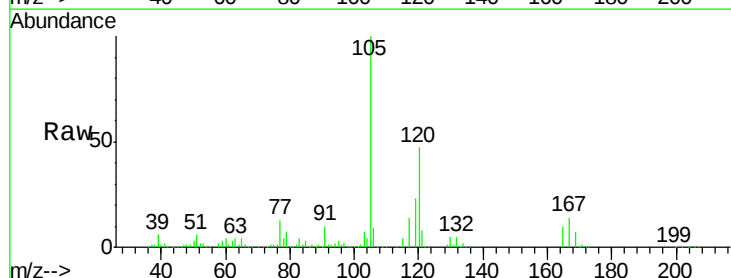
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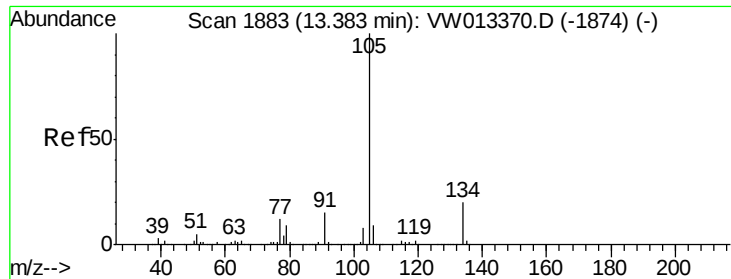
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#84
1,2,4-Trimethylbenzene
Concen: 47.193 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.403 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 674504

Ion Ratio Lower Upper

105 100

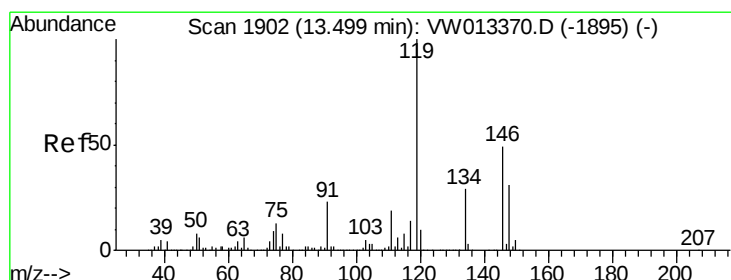
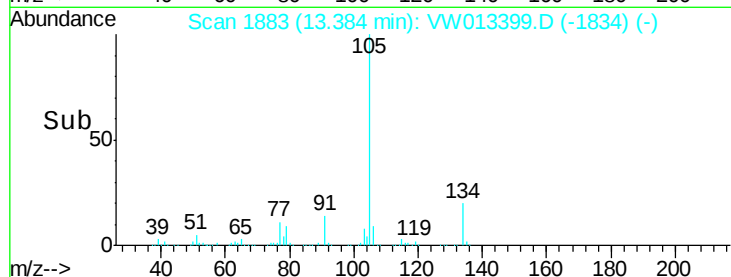
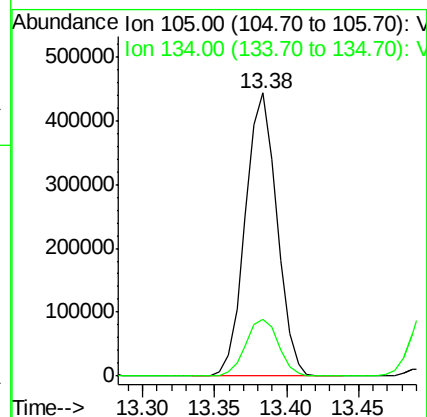
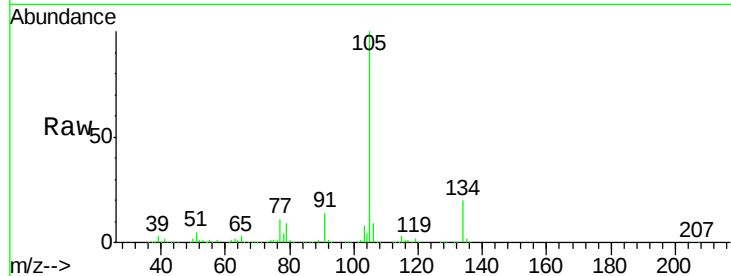
134 20.7 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.451 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

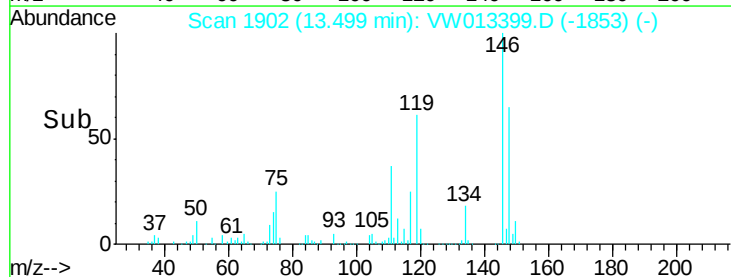
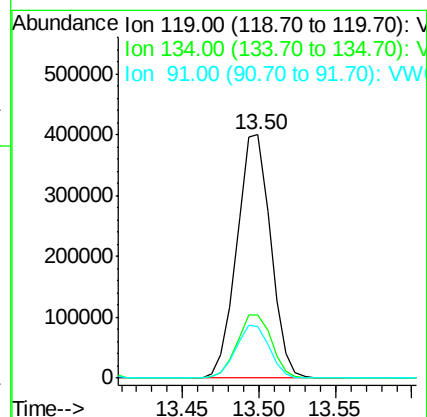
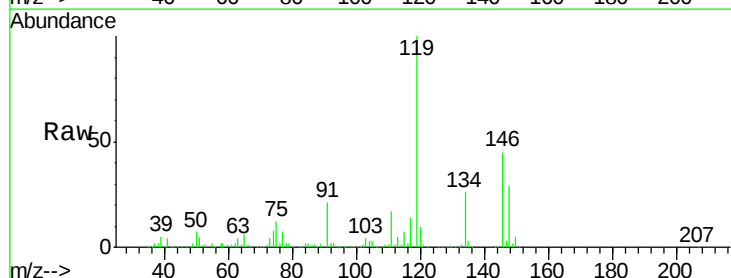
Tgt Ion:119 Resp: 613043

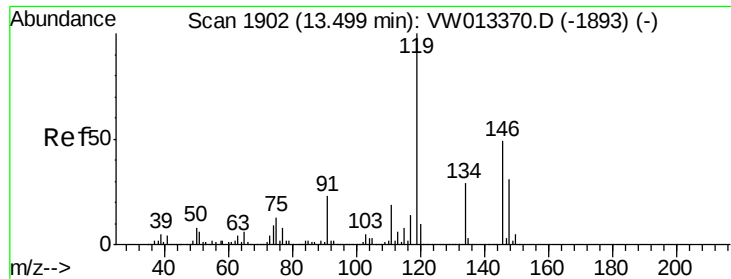
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 21.6 10.8 32.4





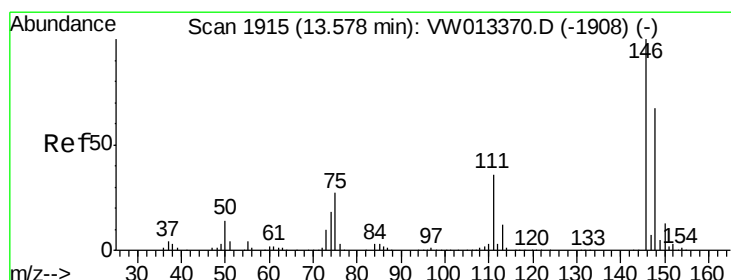
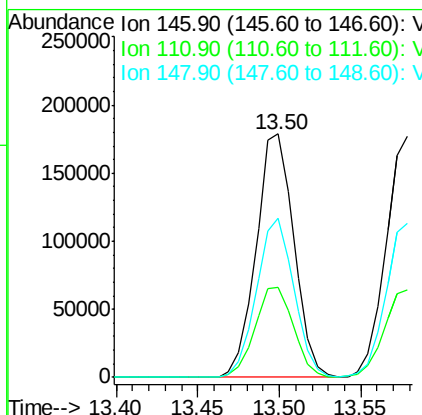
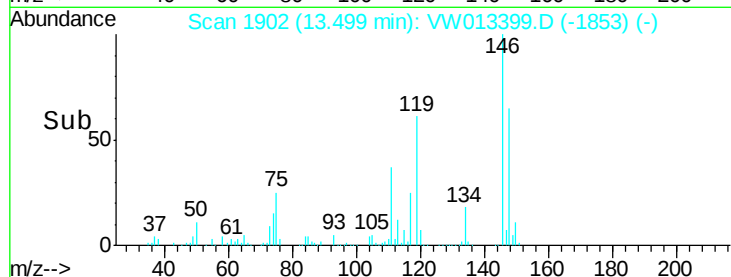
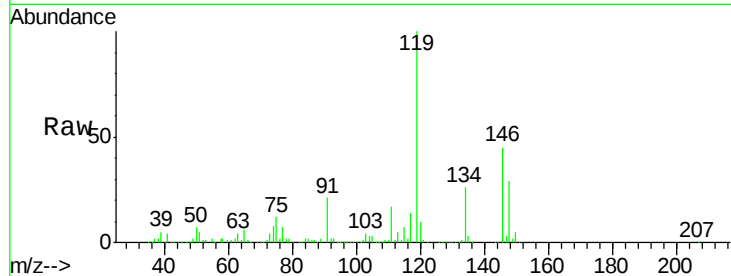
#87
 1,3-Dichlorobenzene
 Concen: 46.754 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288259		
111	38.1		18.9	56.9
148	64.7		31.9	95.5

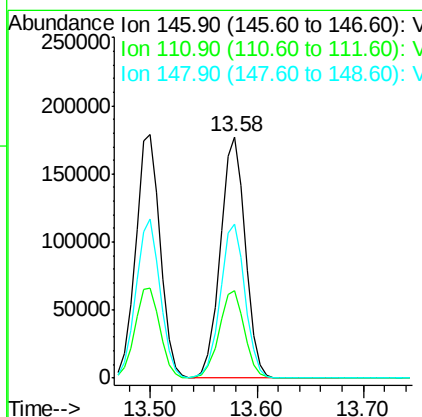
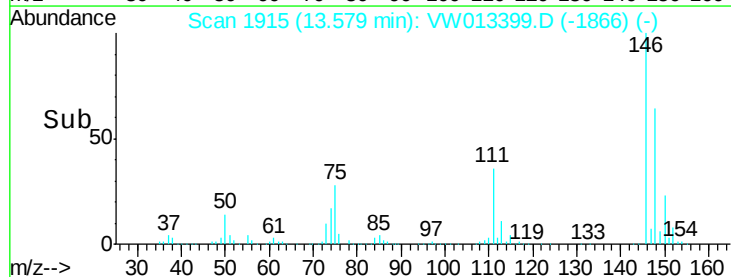
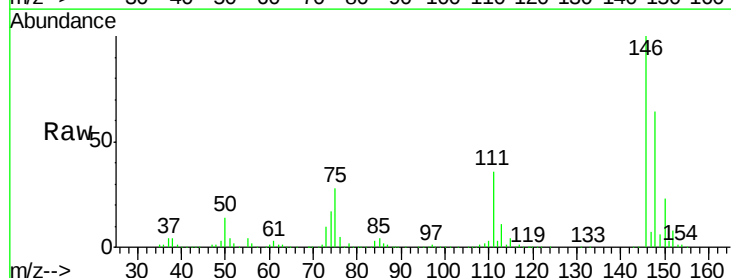
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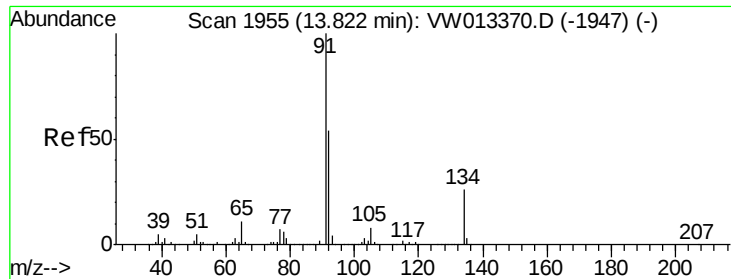
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#88
 1,4-Dichlorobenzene
 Concen: 46.678 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	288153		
111	36.7		18.4	55.0
148	63.4		32.1	96.3





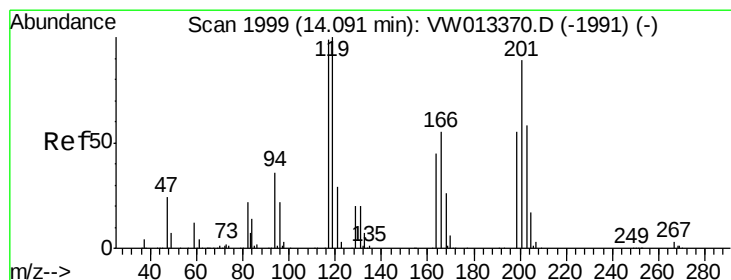
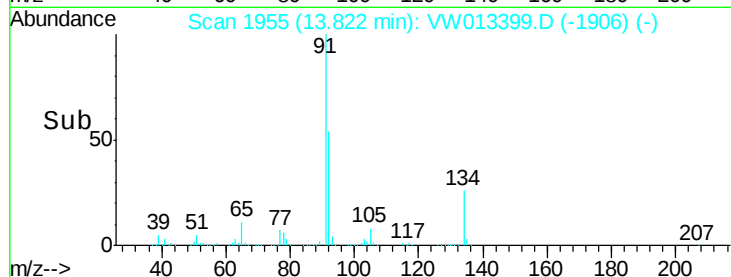
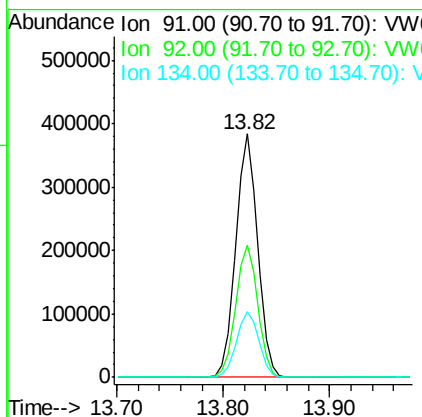
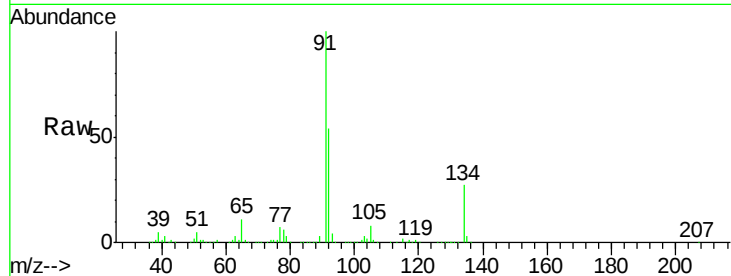
#89
n-Butylbenzene
Concen: 48.621 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	554639		
92	54.8		27.6	82.8
134	27.4		13.7	41.1

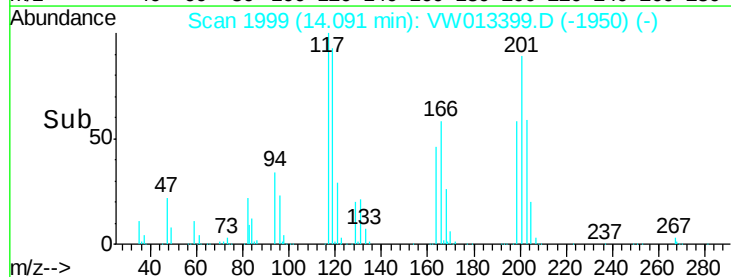
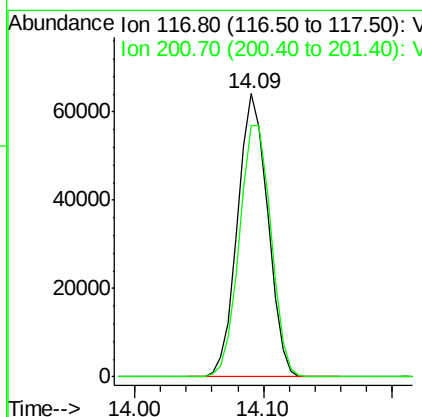
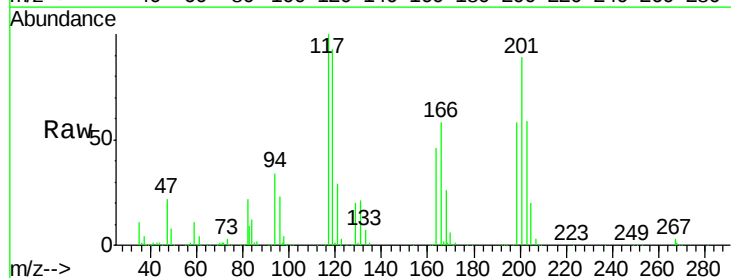
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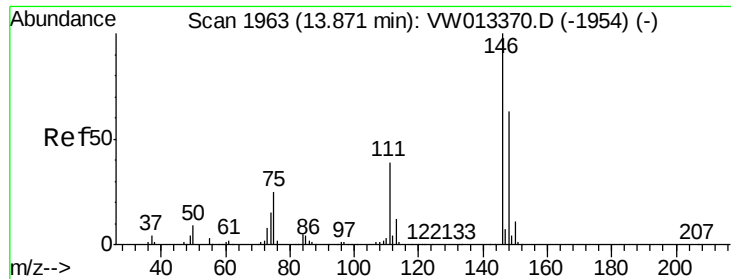
MMDadoda
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#90
Hexachloroethane
Concen: 49.829 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013399.D
Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	104163		
201	92.9		44.5	133.5





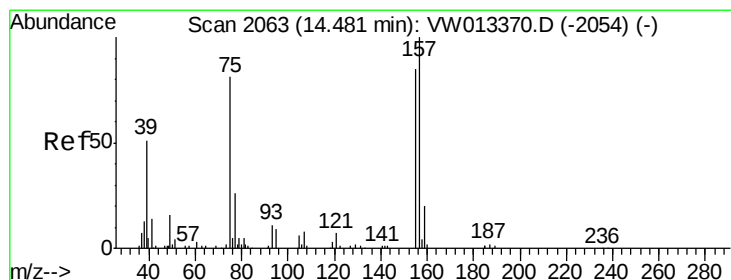
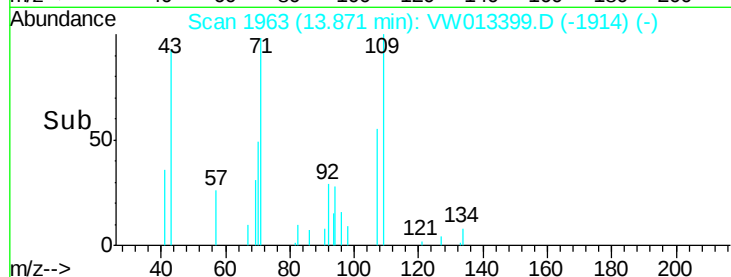
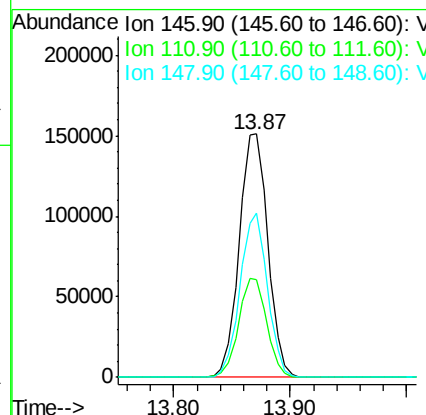
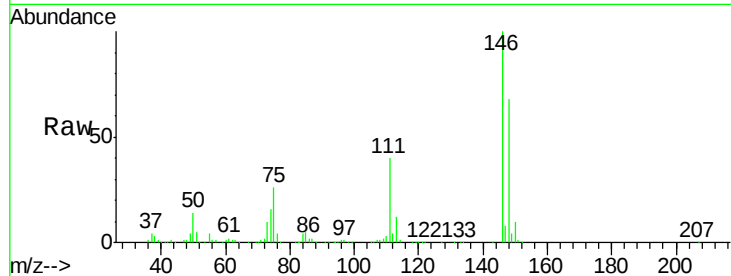
#91
 1,2-Dichlorobenzene
 Concen: 47.535 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.3
148	64.7	32.0	96.0

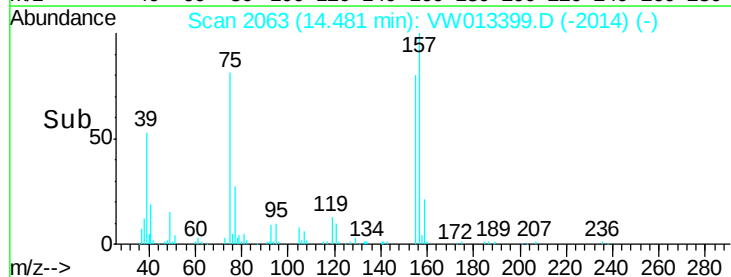
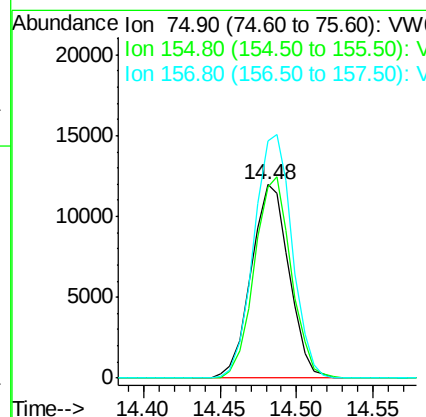
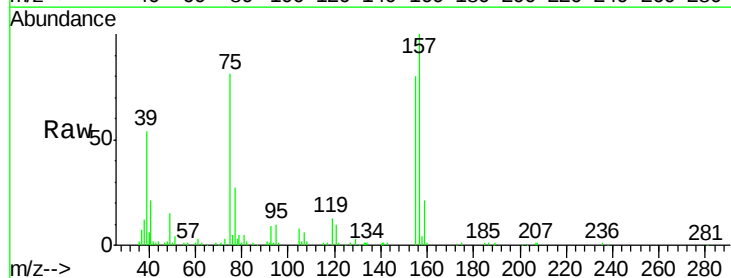
Manual Integrations
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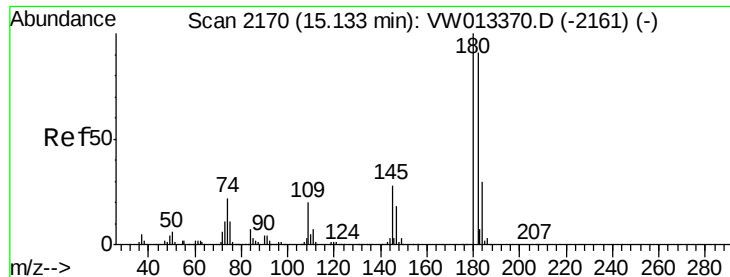
MMDadoda
 10/4/2019 12:10:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.493 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	46.1	138.3
157	127.0	60.4	181.2





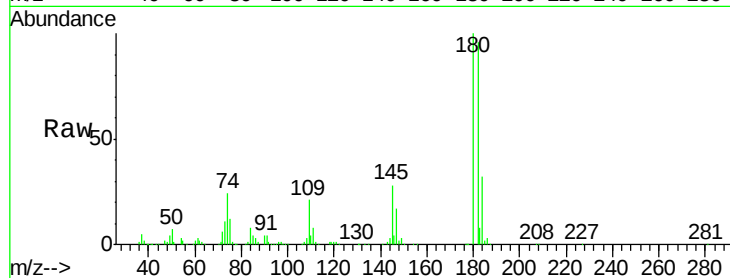
#93
 1,2,4-Trichlorobenzene
 Concen: 47.369 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

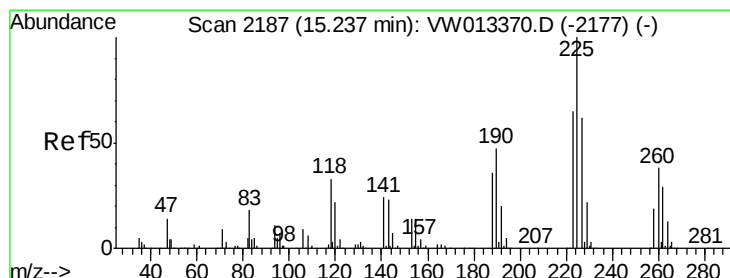
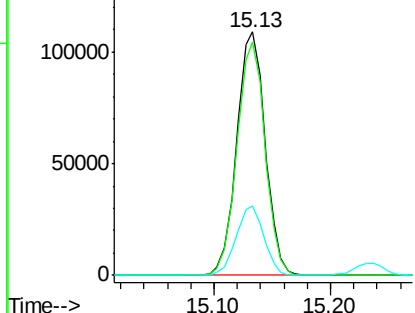
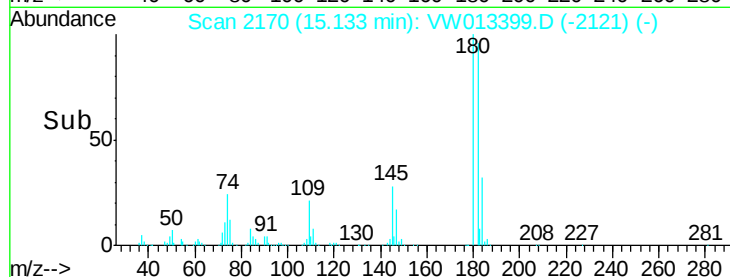
Tot Ion	Ratio	Resp	Lower	Upper
180	100	185278		
182	95.0	47.3	142.0	
145	27.9	14.2	42.8	

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:10:55 PM

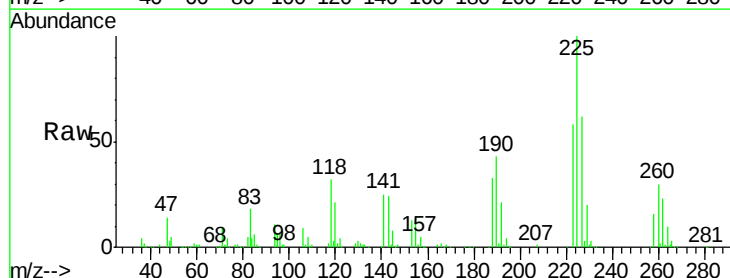


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

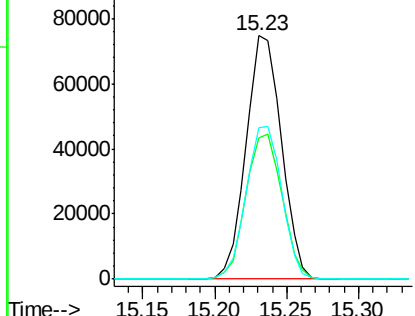
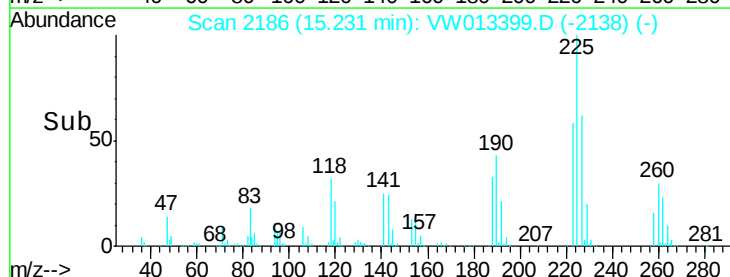


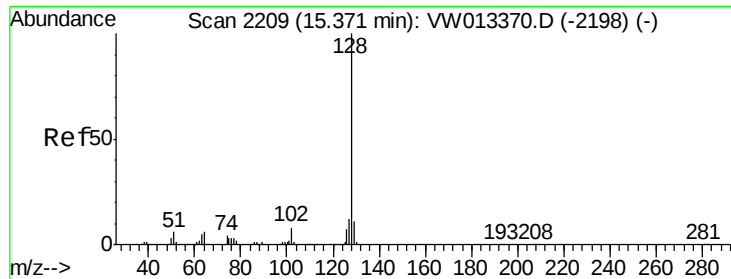
#94
 Hexachlorobutadiene
 Concen: 49.884 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013399.D
 Acq: 03 Oct 2019 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126749		
223	60.9	30.6	91.8	
227	63.3	31.9	95.9	



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: 55.966 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Instrument :

MSVOA_W

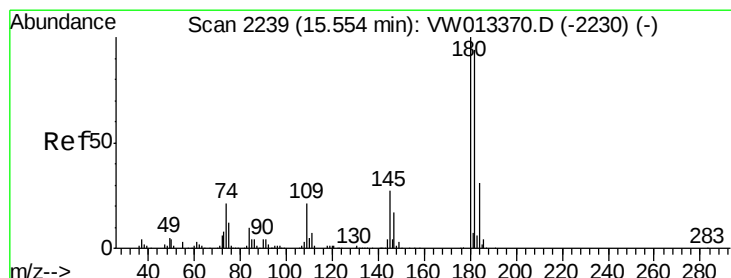
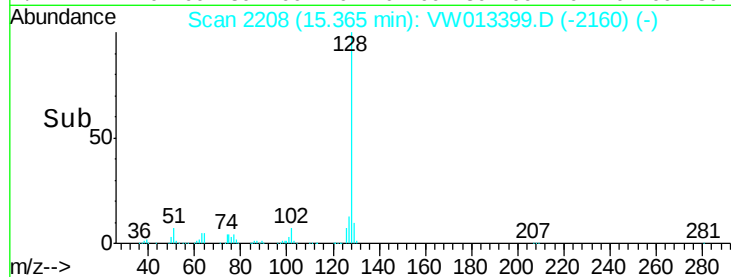
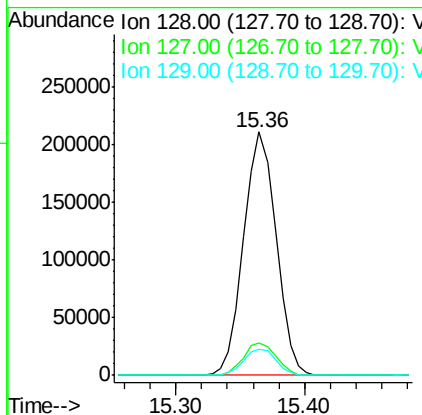
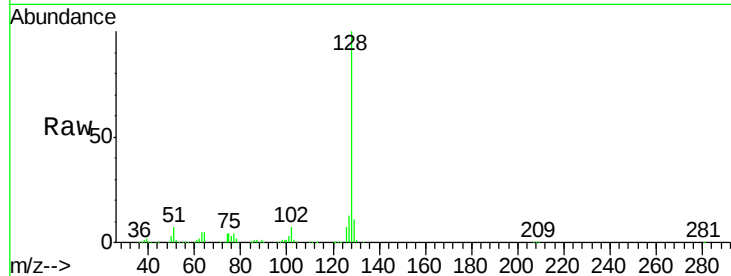
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	369273
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:10:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.607 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013399.D

Acq: 03 Oct 2019 01:08

Tgt Ion:	180	Resp:	169408
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.7
145	29.2	15.0	45.0

