

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102819\
 Data File : VW013781.D
 Acq On : 28 Oct 2019 21:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2019 2:04:59 PM

Quant Time: Oct 29 12:14:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	399670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208912	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134740	60.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.58%	
35) Dibromofluoromethane	7.88	113	137361	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
50) Toluene-d8	10.32	98	539620	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.62	95	187922	54.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	59650	38.322	ug/l	100
3) Chloromethane	2.21	50	70236	41.987	ug/l	97
4) Vinyl Chloride	2.36	62	109604	43.385	ug/l	99
5) Bromomethane	2.77	94	78958	47.523	ug/l	98
6) Chloroethane	2.92	64	71830	46.989	ug/l	98
7) Trichlorofluoromethane	3.25	101	54922	34.806	ug/l	100
8) Diethyl Ether	3.68	74	73678	57.794	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114784	44.746	ug/l	98
10) Methyl Iodide	4.27	142	212263	50.779	ug/l	99
11) Tert butyl alcohol	5.16	59	43338	327.542	ug/l	99
12) 1,1-Dichloroethene	4.04	96	125028	47.184	ug/l	97
13) Acrolein	3.89	56	60469	398.908	ug/l	99
14) Allyl chloride	4.67	41	201163	49.372	ug/l	99
15) Acrylonitrile	5.36	53	159927	308.512	ug/l	98
16) Acetone	4.11	43	132705	282.386	ug/l	95
17) Carbon Disulfide	4.39	76	345178	45.359	ug/l	97
18) Methyl Acetate	4.66	43	80721	62.661	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	180217	56.676	ug/l	99
20) Methylene Chloride	4.92	84	149012	58.432	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	142618	50.007	ug/l	98
22) Diisopropyl ether	6.31	45	420962	56.640	ug/l	99
23) Vinyl Acetate	6.25	43	1234449	286.251	ug/l	99
24) 1,1-Dichloroethane	6.21	63	245927	52.247	ug/l	99
25) 2-Butanone	7.17	43	205115	303.590	ug/l	94
26) 2,2-Dichloropropane	7.17	77	121800	44.749	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	160940	53.130	ug/l	100
28) Bromochloromethane	7.51	49	98508	58.506	ug/l	97
29) Tetrahydrofuran	7.53	42	134325	321.132	ug/l	100
30) Chloroform	7.67	83	246463	52.968	ug/l	98
31) Cyclohexane	7.95	56	209946	42.621	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	181951	49.830	ug/l	99
36) 1,1-Dichloropropene	8.09	75	188764	45.144	ug/l	99
37) Ethyl Acetate	7.25	43	88114	55.049	ug/l	98
38) Carbon Tetrachloride	8.07	117	169663	45.059	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	234403	43.409	ug/l	99
40) Benzene	8.32	78	578194	48.861	ug/l	99
41) Methacrylonitrile	7.48	41	49125	49.217	ug/l	95
42) 1,2-Dichloroethane	8.40	62	161279	54.085	ug/l	99
43) Isopropyl Acetate	8.42	43	174092	56.821	ug/l	97
44) Trichloroethene	9.09	130	161328	47.594	ug/l	99
45) 1,2-Dichloropropane	9.37	63	144971	51.290	ug/l	98
46) Dibromomethane	9.46	93	74045	53.974	ug/l	99
47) Bromodichloromethane	9.64	83	188539	53.116	ug/l	98
48) Methyl methacrylate	9.43	41	80169	52.765	ug/l	91
49) 1,4-Dioxane	9.45	88	25878	1276.546	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	440101	289.070	ug/l	99
52) Toluene	10.38	92	375039	49.134	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	192617	53.604	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	229076	51.671	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	109675	53.643	ug/l	98
56) Ethyl methacrylate	10.65	69	146947	57.447	ug/l	98
57) 1,3-Dichloropropane	10.93	76	189025	53.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	325790	276.734	ug/l	99
59) 2-Hexanone	10.97	43	301431	287.190	ug/l	98
60) Dibromochloromethane	11.13	129	133383	54.947	ug/l	99
61) 1,2-Dibromoethane	11.24	107	106255	54.933	ug/l	99
64) Tetrachloroethene	10.86	164	145220	47.556	ug/l	99
65) Chlorobenzene	11.66	112	402060	48.955	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	145859	50.888	ug/l	99
67) Ethyl Benzene	11.73	91	705297	47.625	ug/l	98
68) m/p-Xylenes	11.84	106	545108	95.272	ug/l	100
69) o-Xylene	12.16	106	256725	48.815	ug/l	100
70) Styrene	12.18	104	455675	50.429	ug/l	99
71) Bromoform	12.35	173	80540	53.544	ug/l #	100
73) Isopropylbenzene	12.46	105	691951	46.122	ug/l	100
74) N-amyl acetate	12.27	43	154937	53.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121761	51.431	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	97592m	65.049	ug/l	
77) Bromobenzene	12.74	156	177881	49.633	ug/l	99
78) n-propylbenzene	12.80	91	808571	46.564	ug/l	99
79) 2-Chlorotoluene	12.89	91	463124	47.459	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	600544	47.419	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40250	50.702	ug/l	99
82) 4-Chlorotoluene	12.99	91	486429	47.481	ug/l	98
83) tert-Butylbenzene	13.21	119	523200	46.541	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	607747	48.647	ug/l	98
85) sec-Butylbenzene	13.38	105	702826	45.719	ug/l	100
86) p-Isopropyltoluene	13.50	119	665570	46.479	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	333667	48.051	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	331914	48.114	ug/l	100
89) n-Butylbenzene	13.82	91	584666	45.233	ug/l	100
90) Hexachloroethane	14.09	117	115713	46.489	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	302122	50.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19392	54.167	ug/l	96

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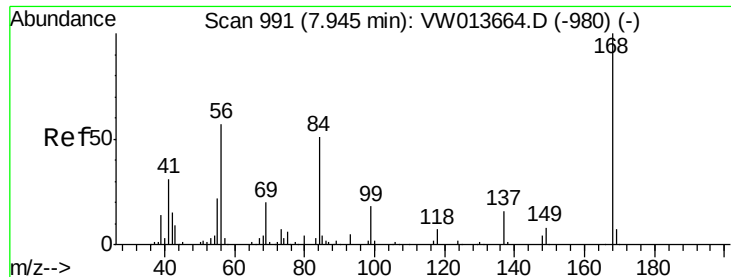
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	213456	48.715	ug/l	98
94) Hexachlorobutadiene	15.24	225	132416	44.764	ug/l	98
95) Naphthalene	15.36	128	362071	52.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	186235	49.325	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 295453

Ion Ratio Lower Upper

168 100

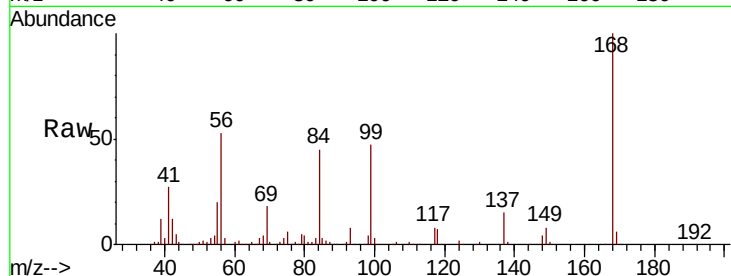
99 47.4 39.0 58.6

Manual Integrations

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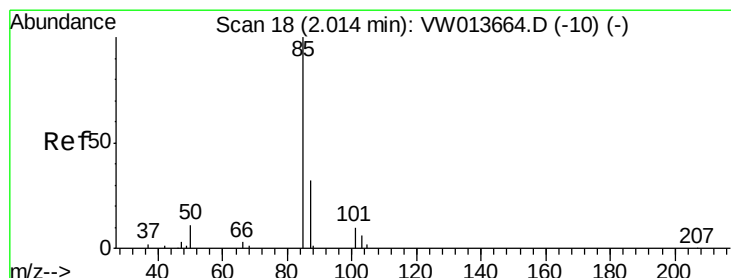
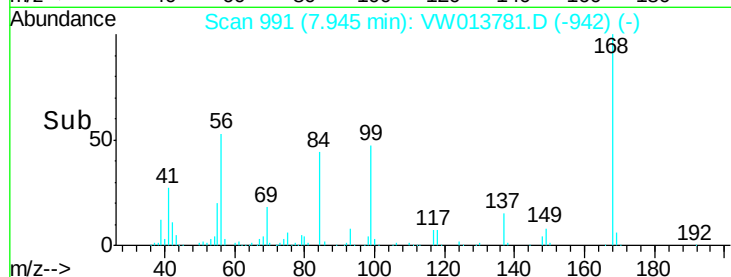
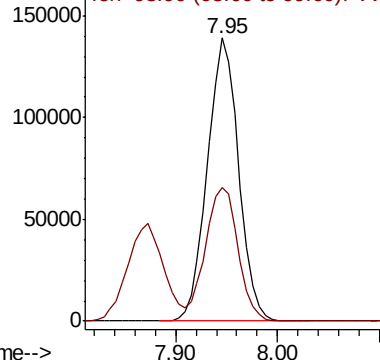
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 38.322 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013781.D

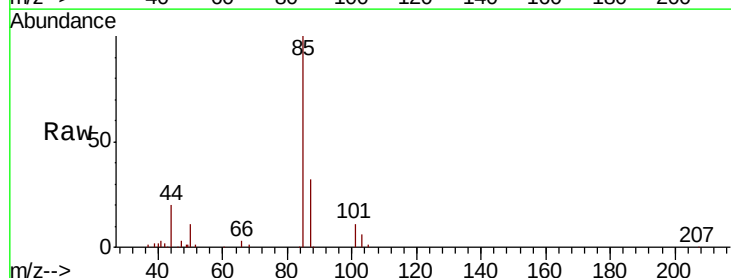
Acq: 28 Oct 2019 21:35

Tgt Ion: 85 Resp: 59650

Ion Ratio Lower Upper

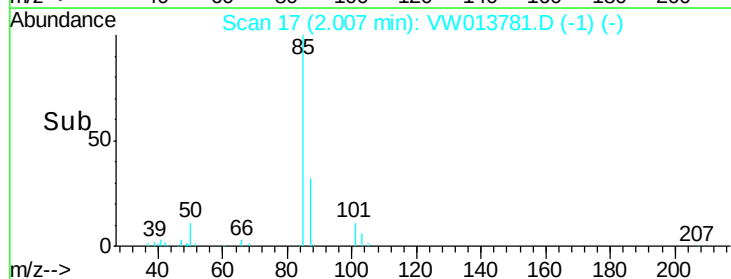
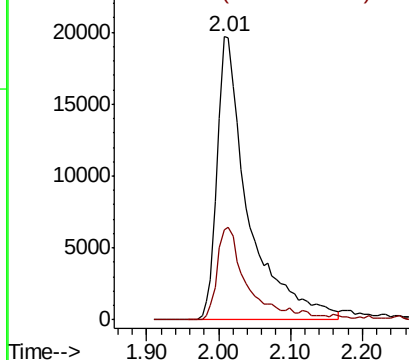
85 100

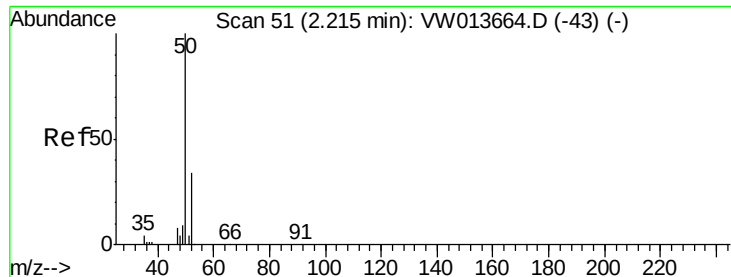
87 31.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 41.987 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70236

Ion Ratio Lower Upper

50 100

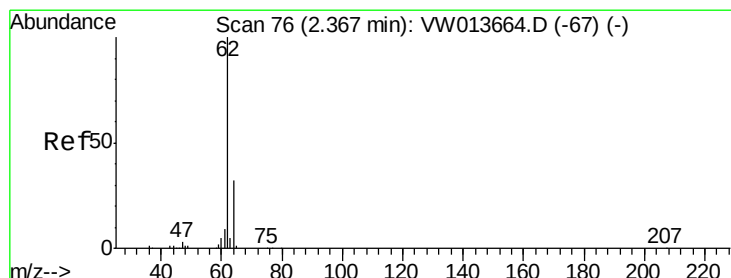
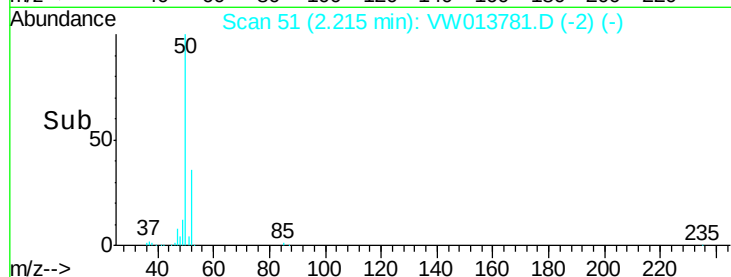
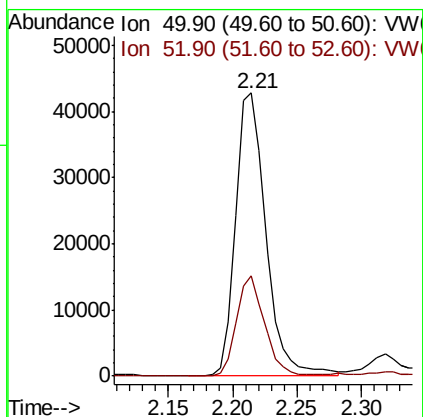
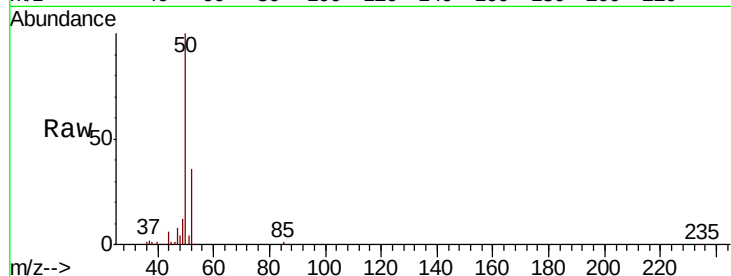
52 35.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.385 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013781.D

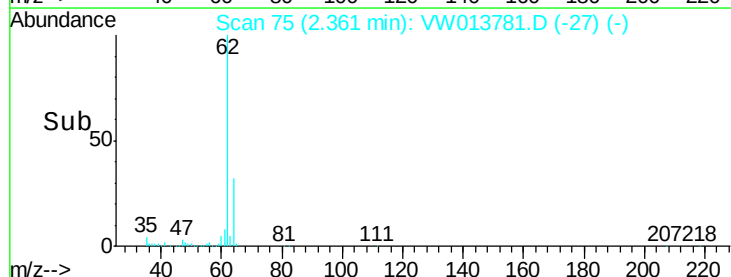
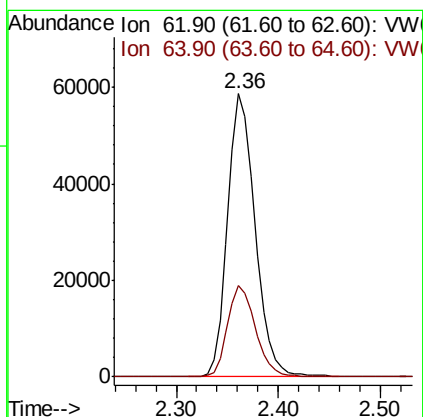
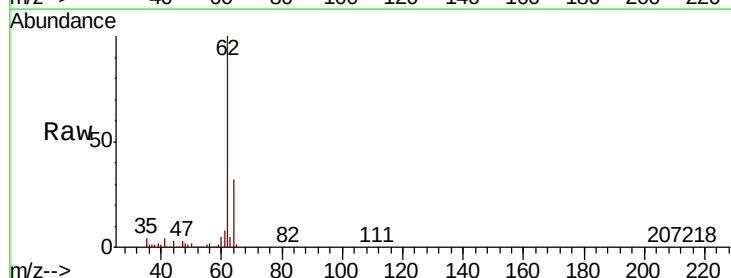
Acq: 28 Oct 2019 21:35

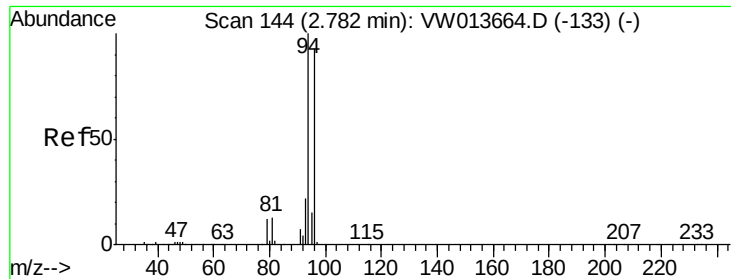
Tgt Ion: 62 Resp: 109604

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 47.523 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 78958

Ion Ratio Lower Upper

94 100

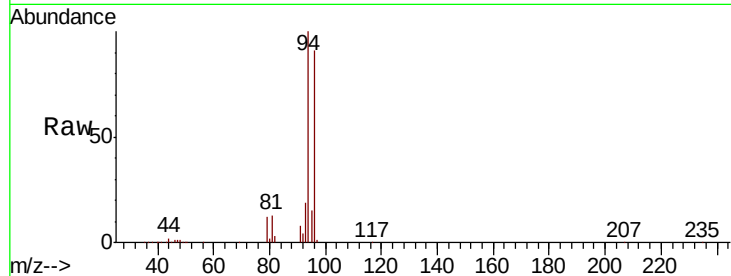
96 91.1 74.6 112.0

Manual Integrations

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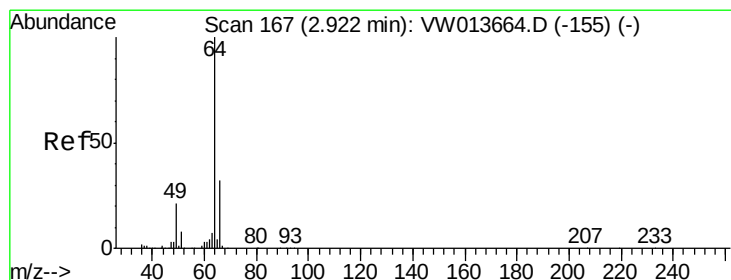
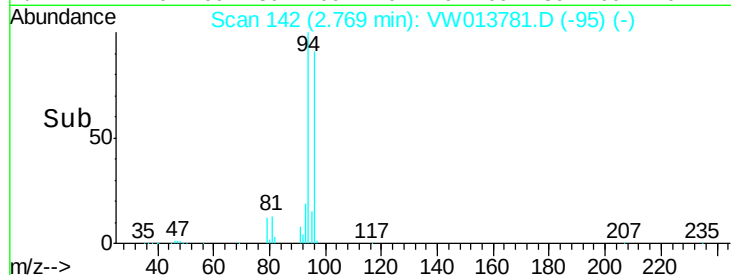
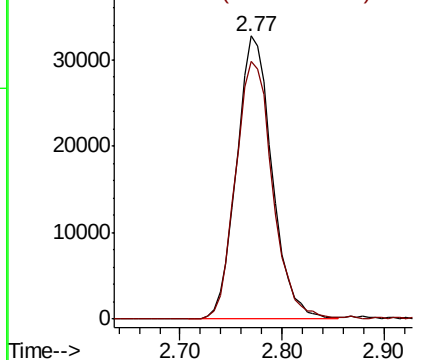
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 46.989 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013781.D

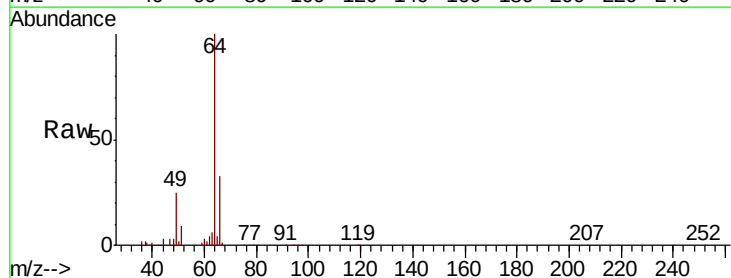
Acq: 28 Oct 2019 21:35

Tgt Ion: 64 Resp: 71830

Ion Ratio Lower Upper

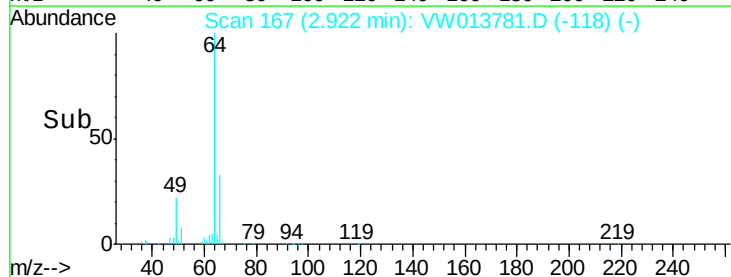
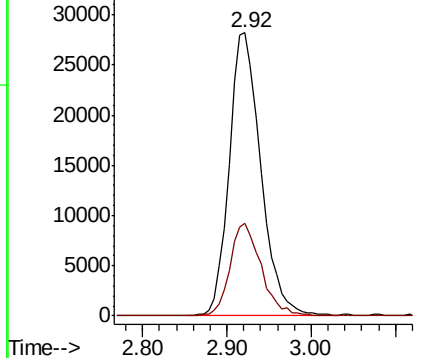
64 100

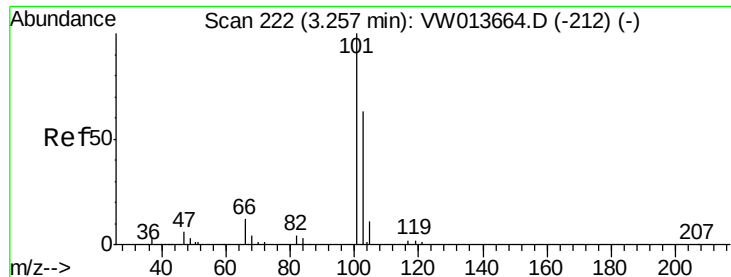
66 32.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

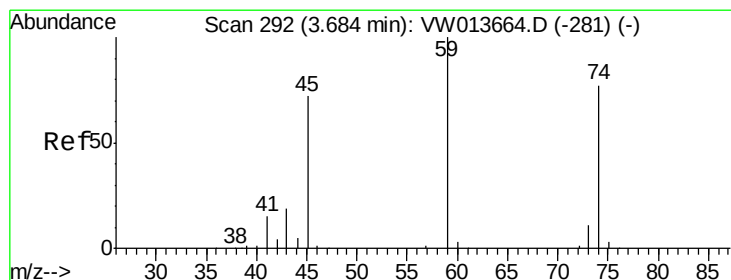
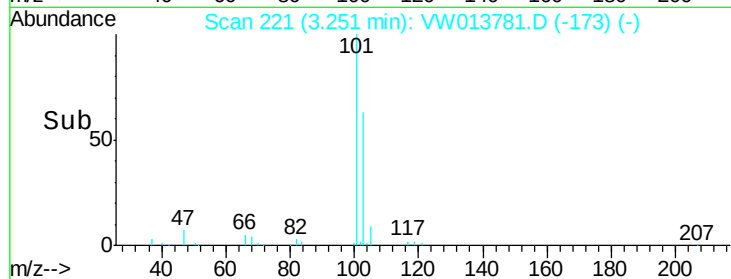
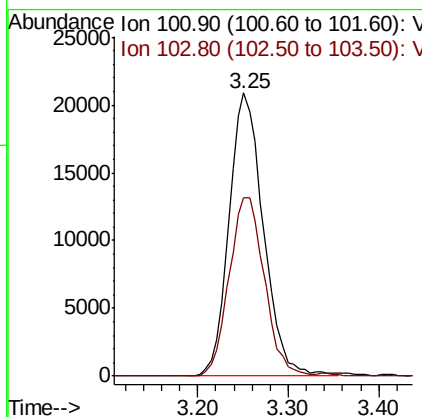
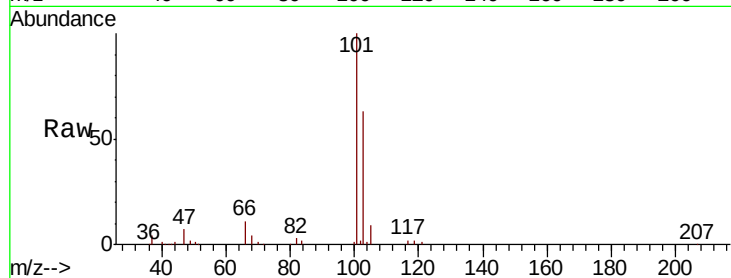
Trichlorofluoromethane
 Concen: 34.806 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013781.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.6	76.0

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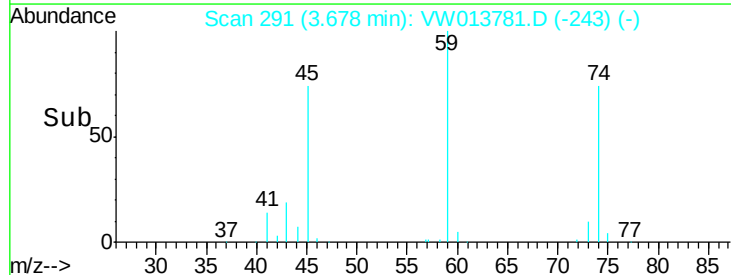
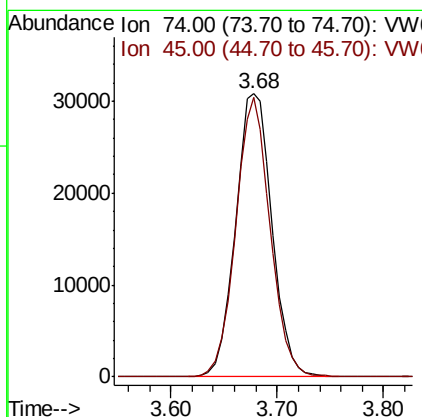
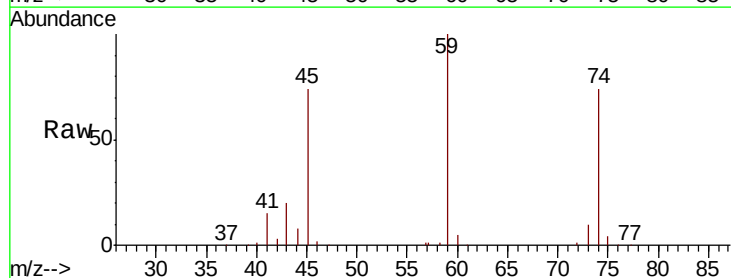
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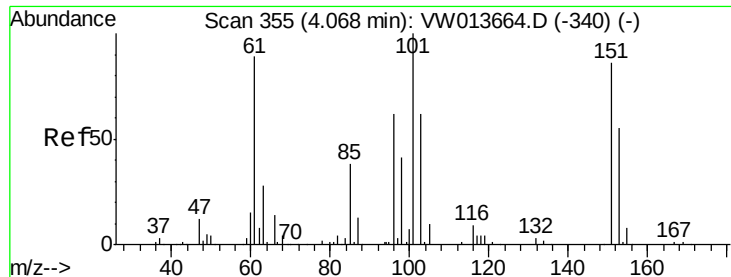


#8

Diethyl Ether
 Concen: 57.794 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.746 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013781.D

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Instrument :

MSVOA_W

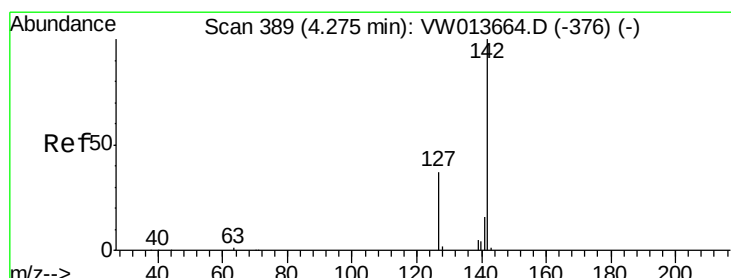
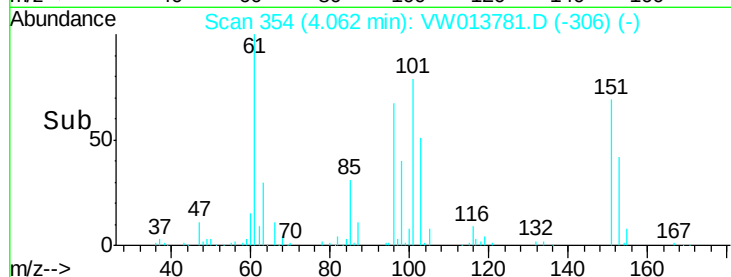
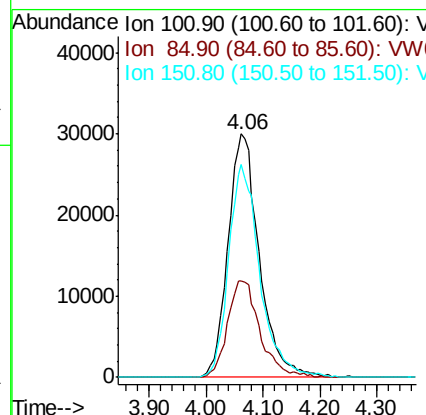
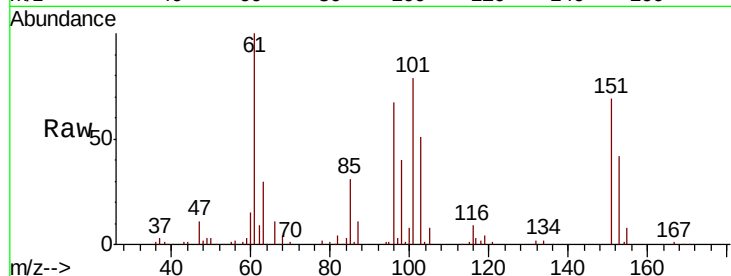
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	114784
Ion Ratio	Lower	Upper	
101	100		
85	41.0	31.0	46.6
151	86.9	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 50.779 ug/l

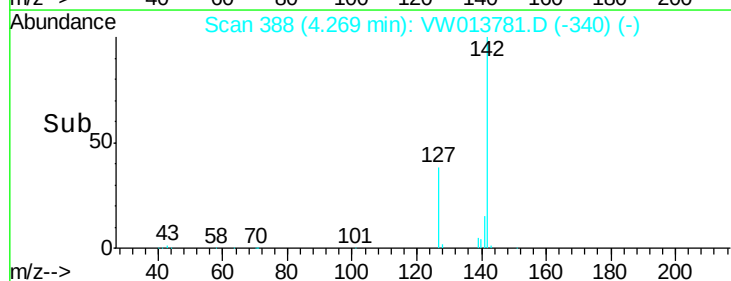
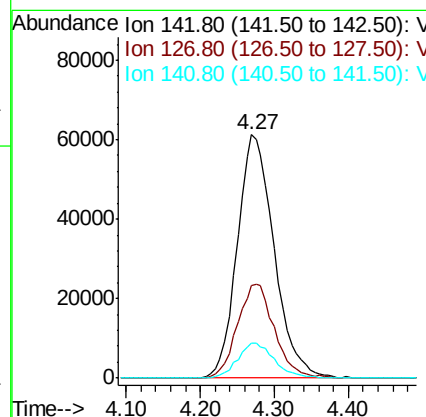
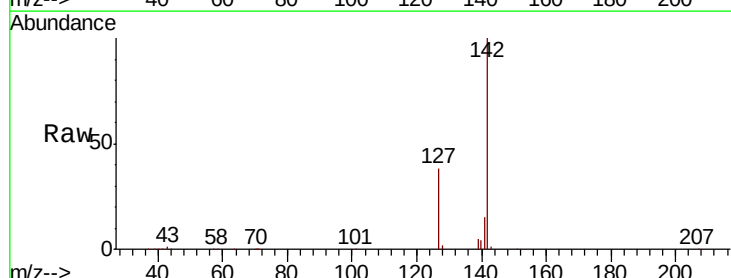
RT: 4.27 min Scan# 388

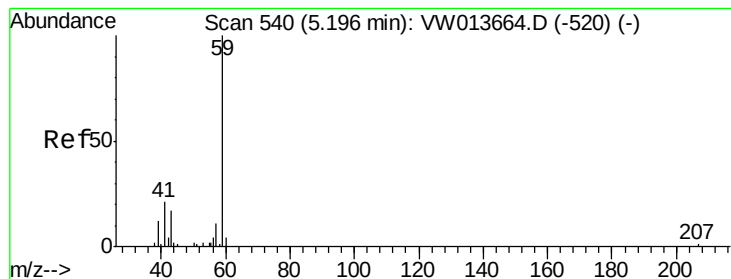
Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion:	142	Resp:	212263
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.3	45.5
141	14.6	11.8	17.8





#11

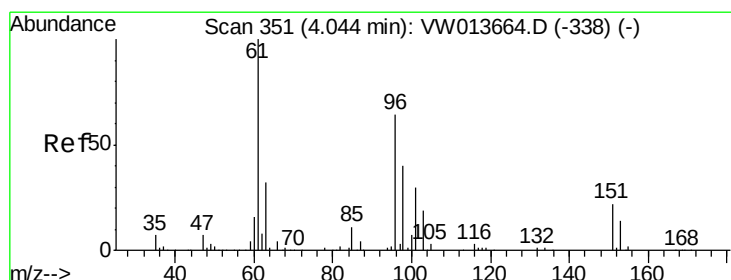
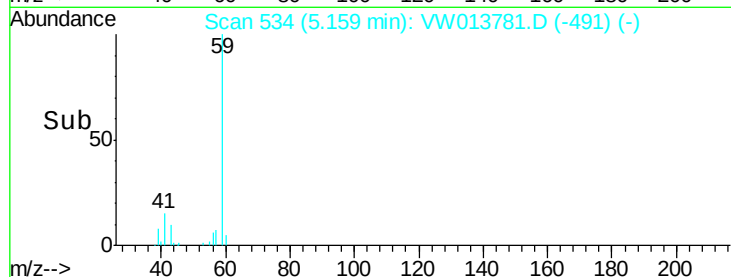
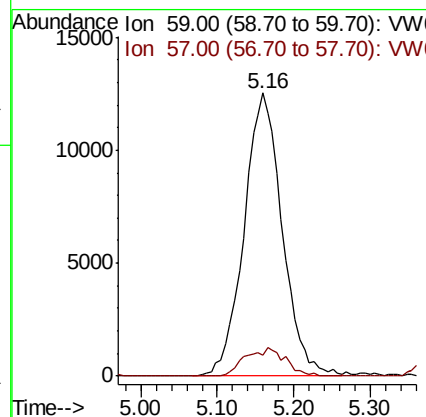
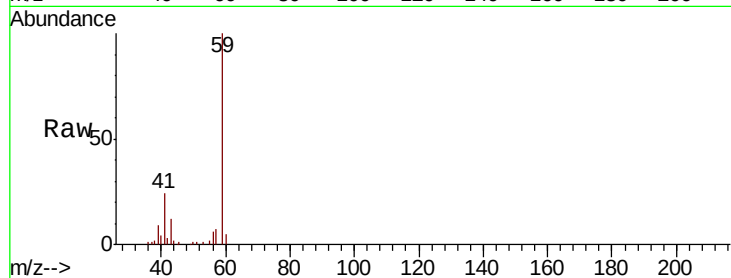
Tert butyl alcohol
Concen: 327.542 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		43338		
57	10.6			8.8	13.2

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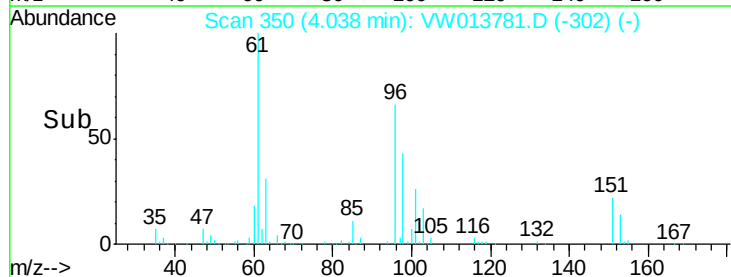
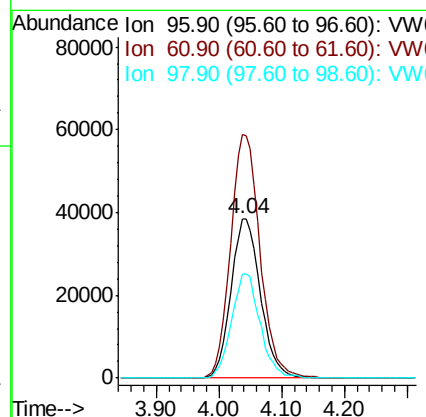
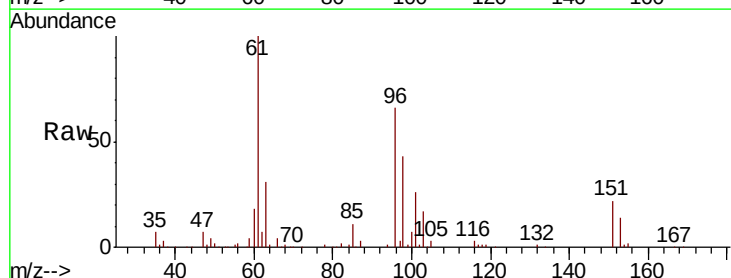
MMDadoda
10/29/2019 2:04:59 PM

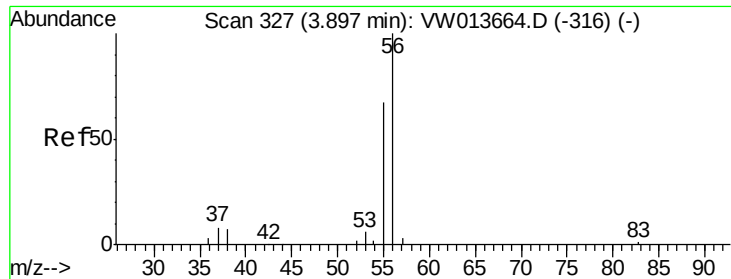


#12

1,1-Dichloroethene
Concen: 47.184 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		125028		
61	152.6			125.0	187.6
98	64.9			50.3	75.5





#13

Acrolein

Concen: 398.908 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 60469

Ion Ratio Lower Upper

56 100

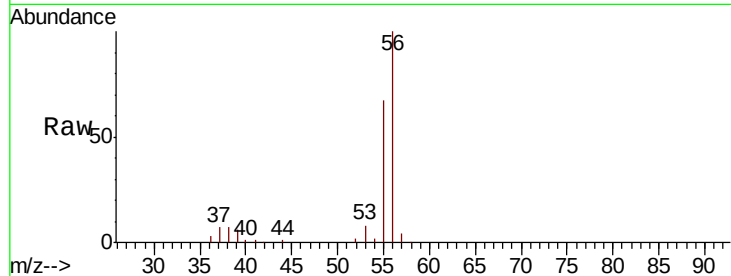
55 71.0 56.1 84.1

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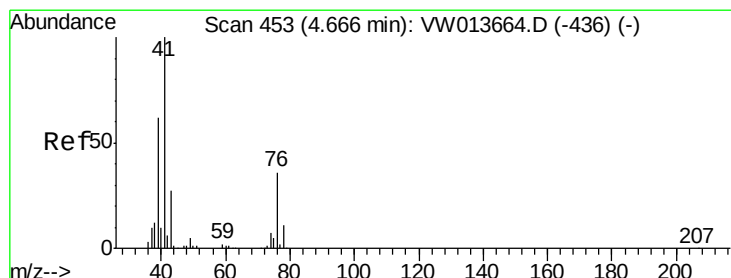
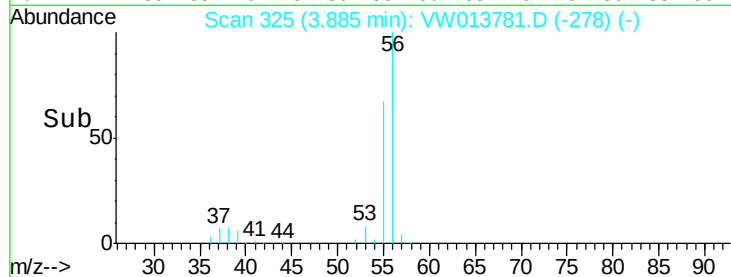
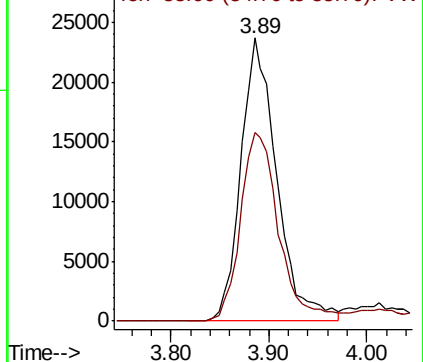
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 49.372 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

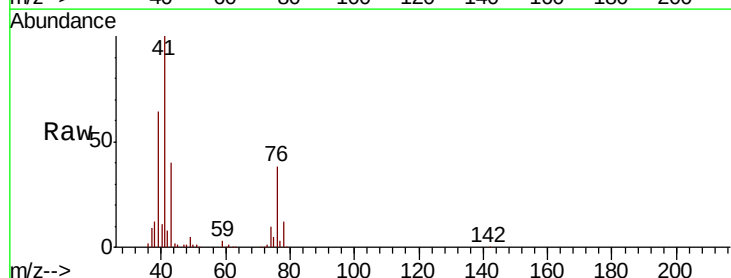
Tgt Ion: 41 Resp: 201163

Ion Ratio Lower Upper

41 100

39 63.7 50.0 75.0

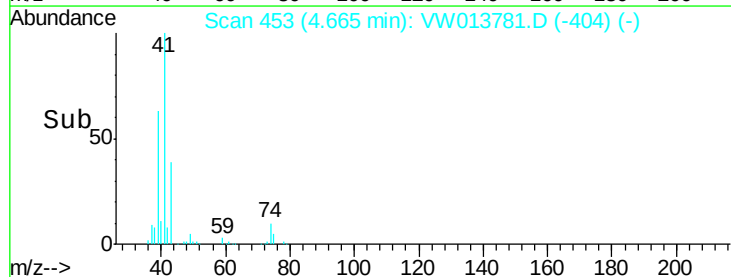
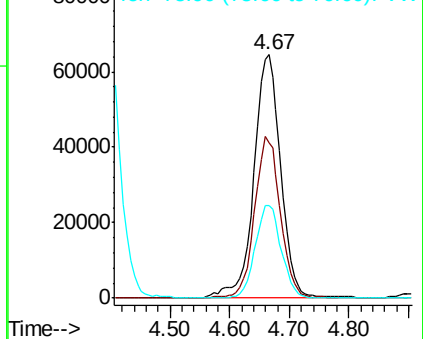
76 37.0 29.6 44.4

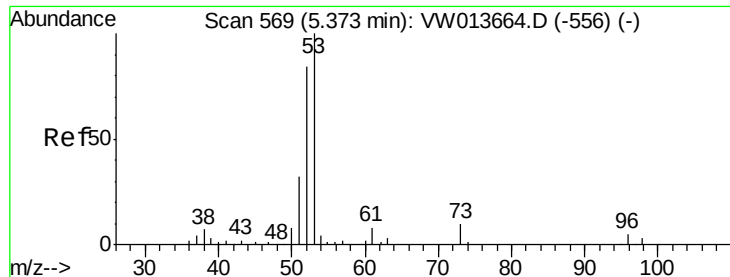


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 308.512 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

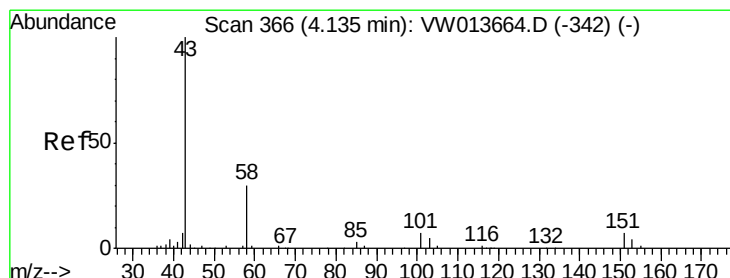
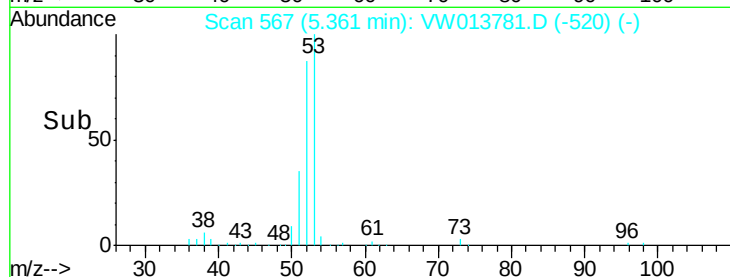
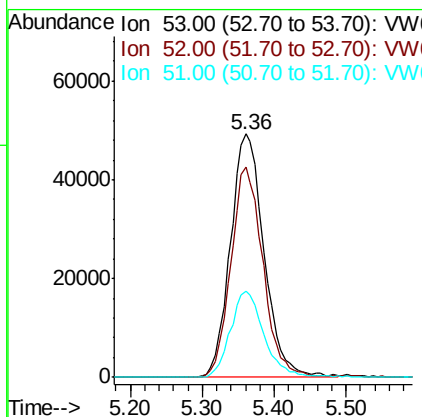
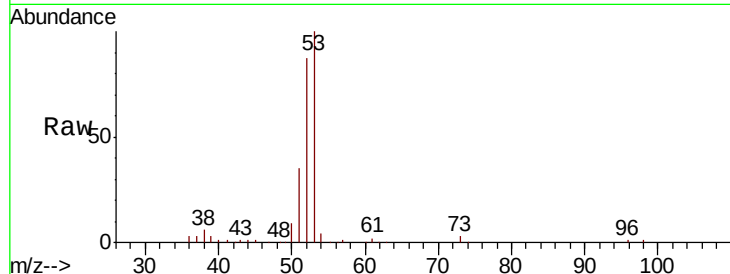
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	159927
Ion Ratio		Lower	Upper
53	100		
52	82.1	67.4	101.0
51	35.5	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 282.386 ug/l

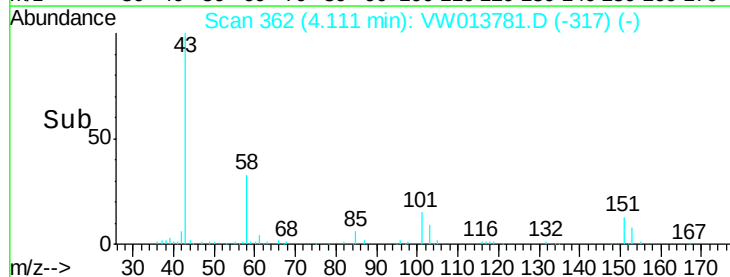
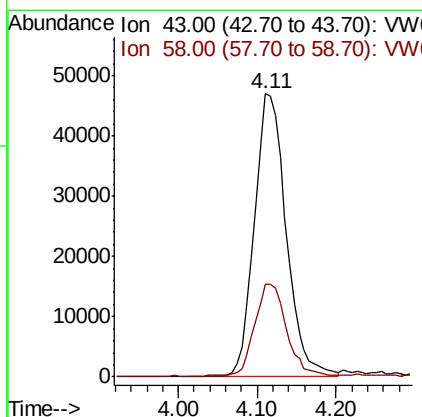
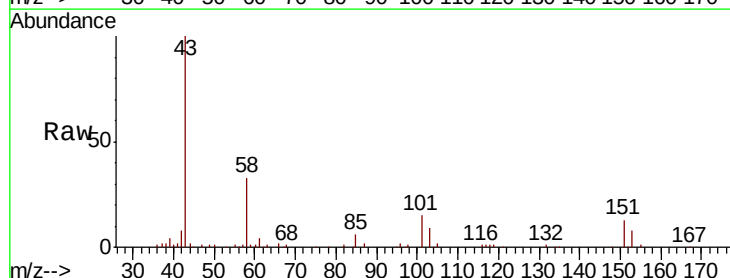
RT: 4.11 min Scan# 362

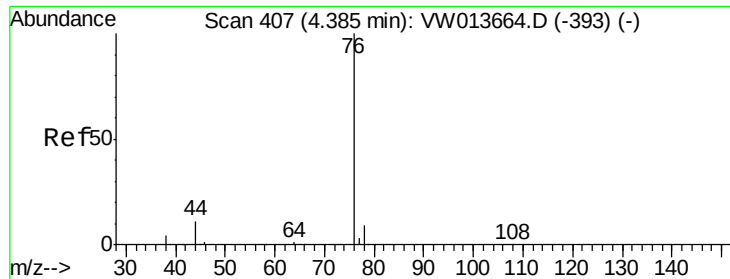
Delta R.T. -0.02 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion:	43	Resp:	132705
Ion Ratio		Lower	Upper
43	100		
58	32.9	24.1	36.1





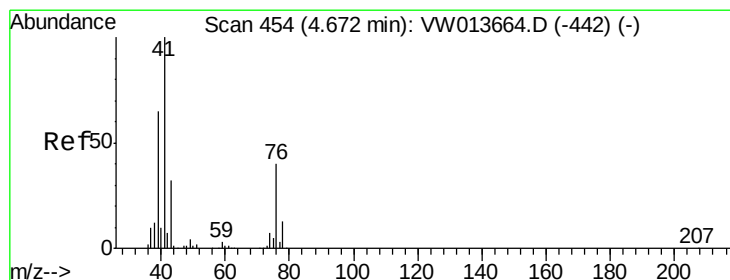
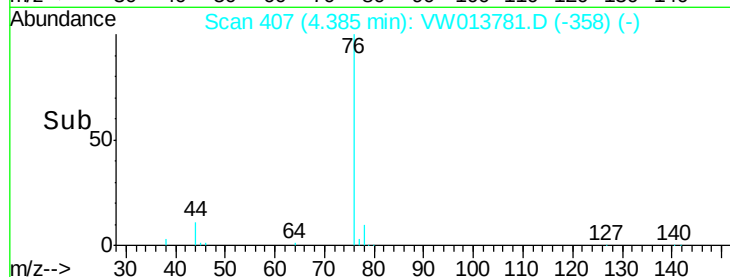
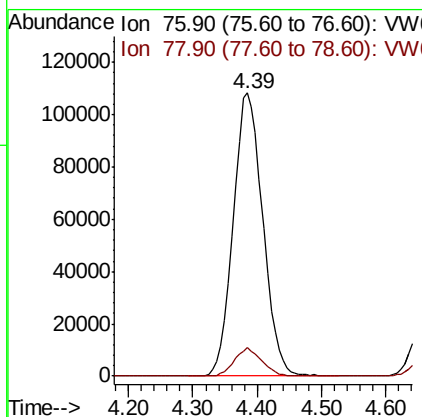
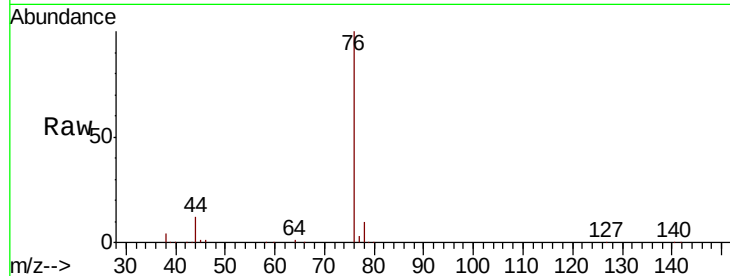
#17
Carbon Disulfide
Concen: 45.359 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.0	10.6

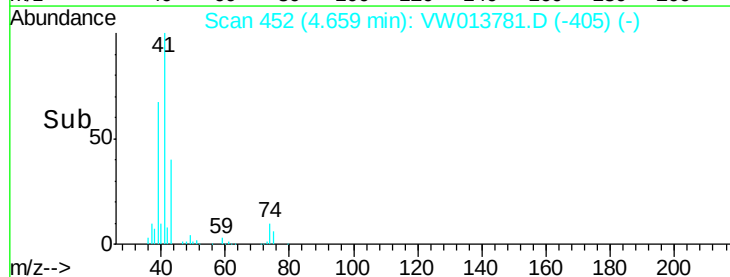
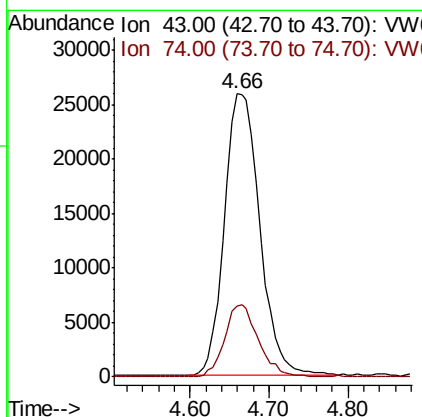
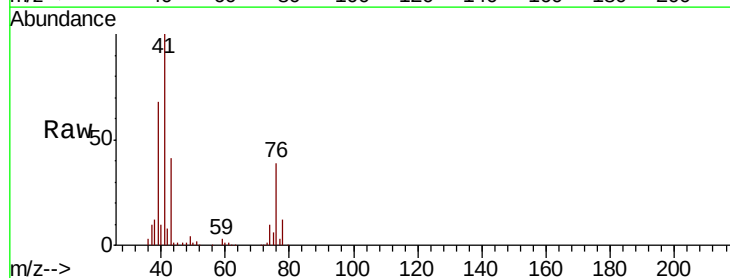
Manual Integrations
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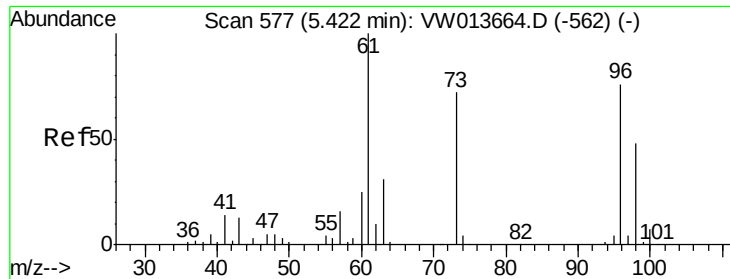
MMDadoda
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#18
Methyl Acetate
Concen: 62.661 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.8	29.8





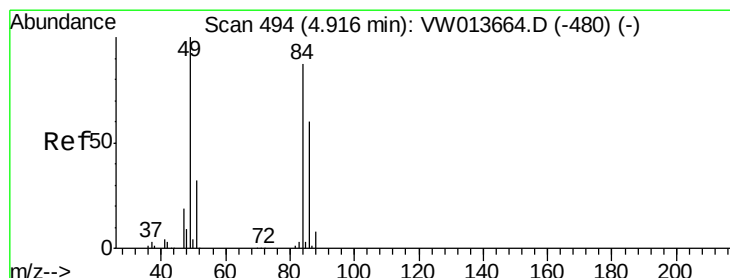
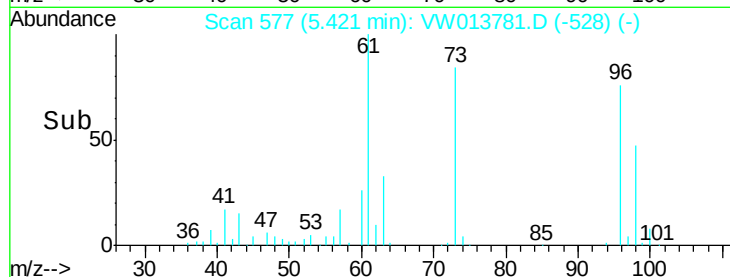
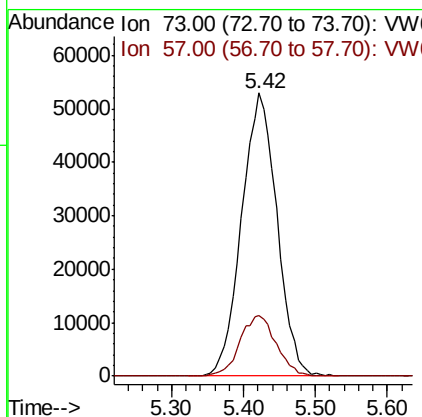
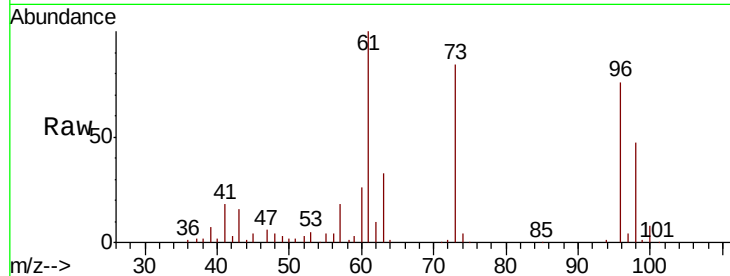
#19
Methyl tert-butyl Ether
Concen: 56.676 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.6	26.4

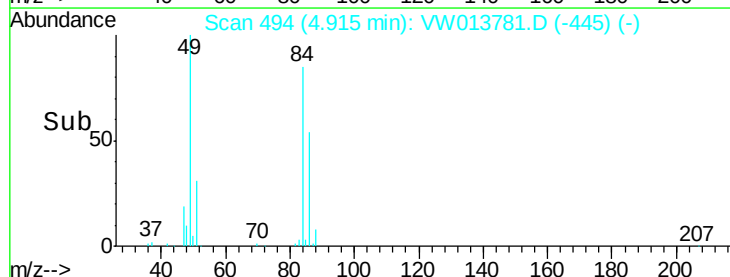
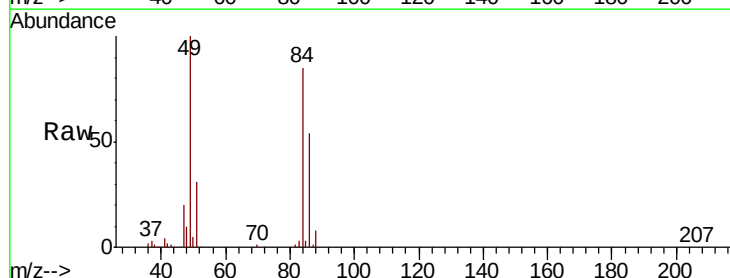
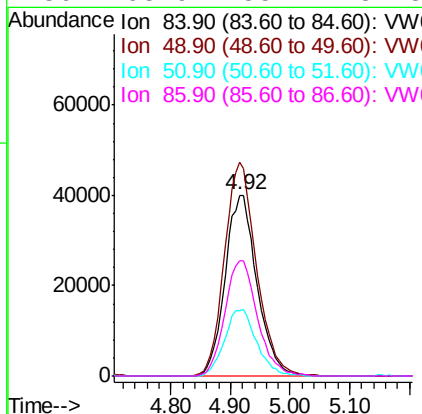
Manual Integrations
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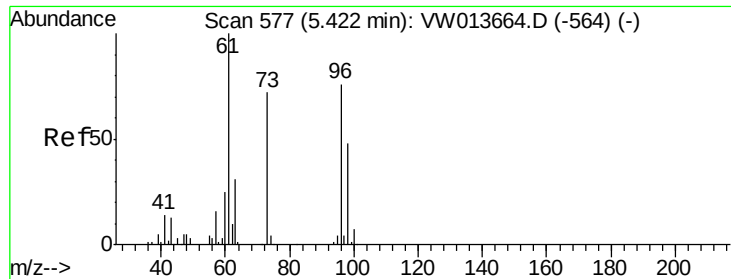
MMDadoda
10/29/2019 2:04:59 PM



#20
Methylene Chloride
Concen: 58.432 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	91.8	137.6
51	36.0	29.8	44.6
86	63.9	55.2	82.8





#21

trans-1,2-Dichloroethene

Concen: 50.007 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

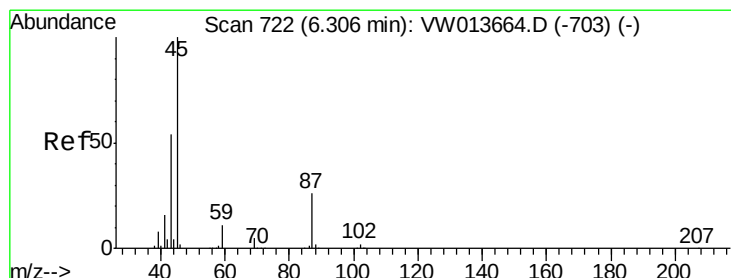
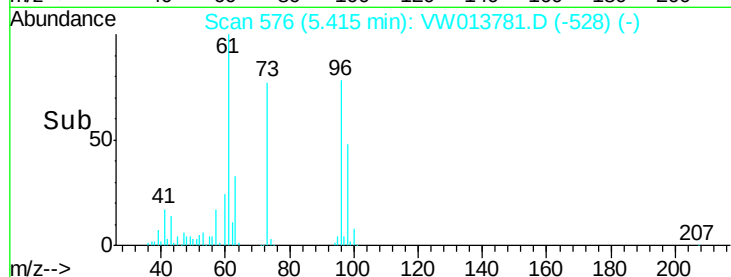
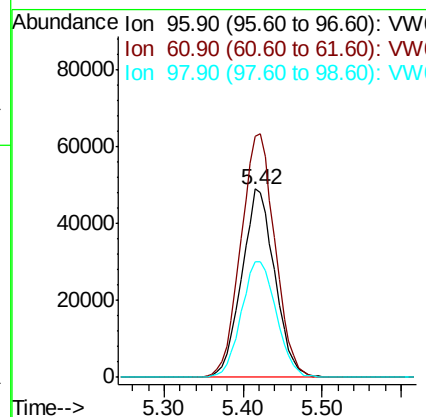
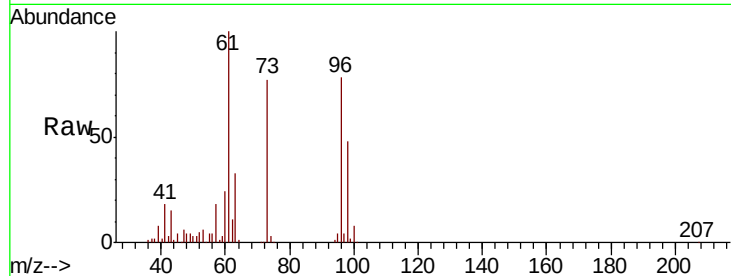
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	142618
Ion	Ratio	Lower	Upper
96	100		
61	128.1	104.8	157.2
98	61.4	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.640 ug/l

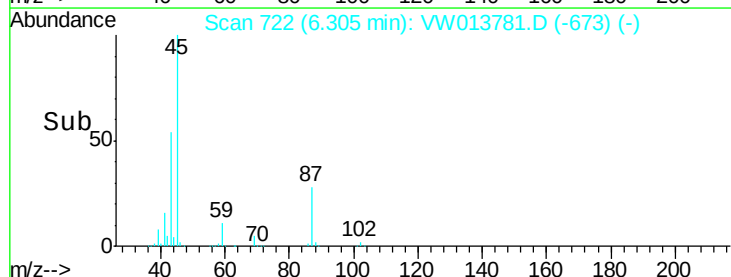
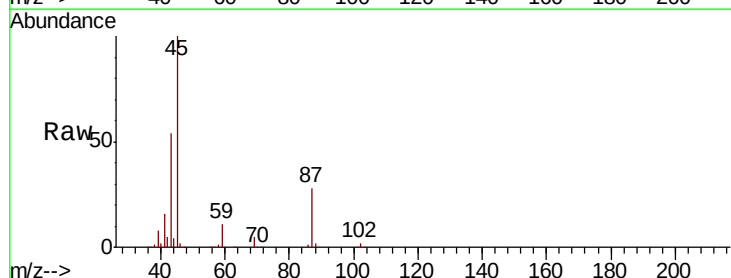
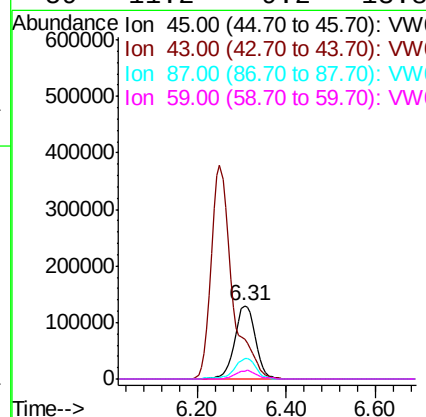
RT: 6.31 min Scan# 722

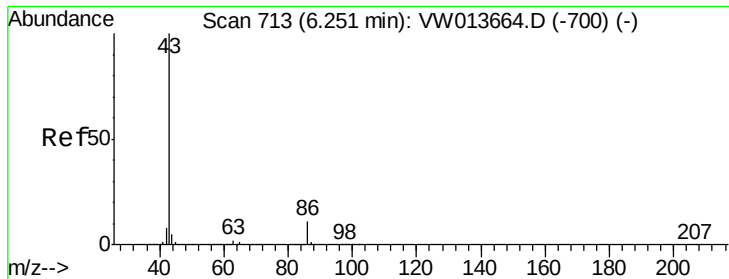
Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion:	45	Resp:	420962
Ion	Ratio	Lower	Upper
45	100		
43	53.6	43.4	65.2
87	27.9	21.5	32.3
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 286.251 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1234449

Ion Ratio Lower Upper

43 100

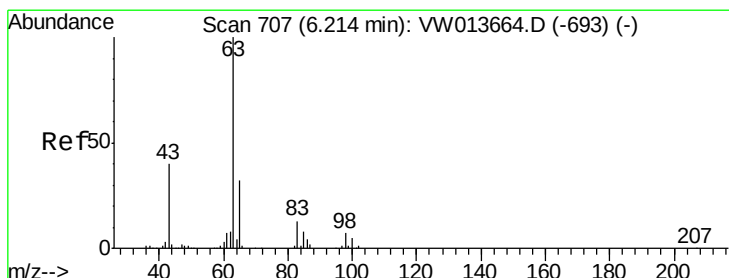
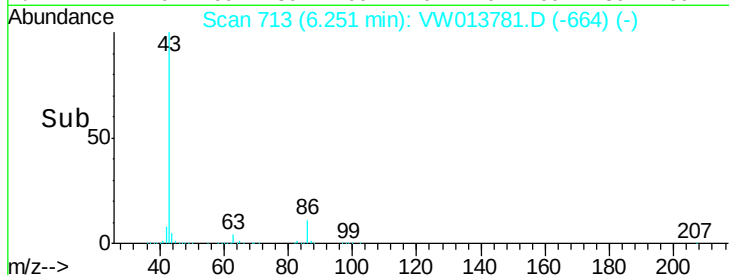
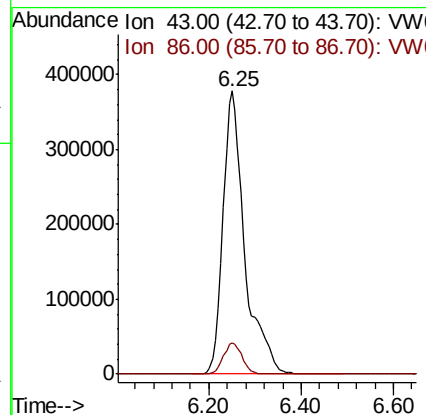
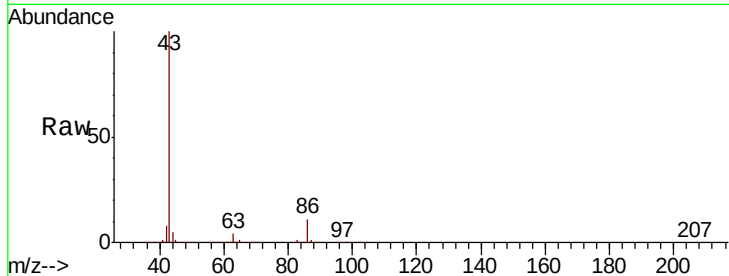
86 11.1 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.247 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

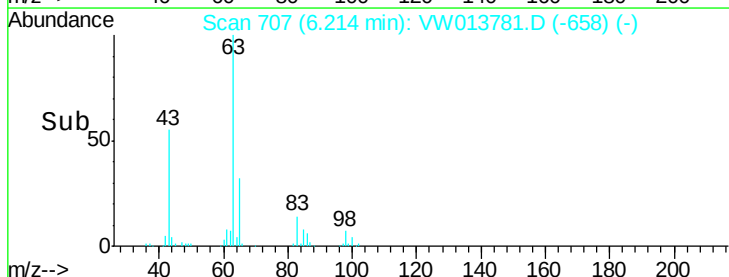
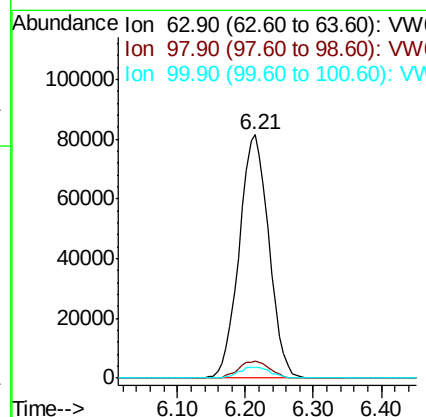
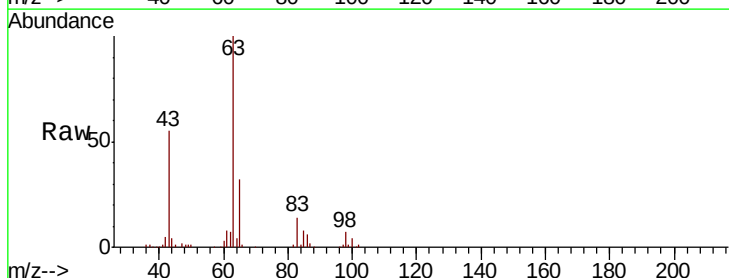
Tgt Ion: 63 Resp: 245927

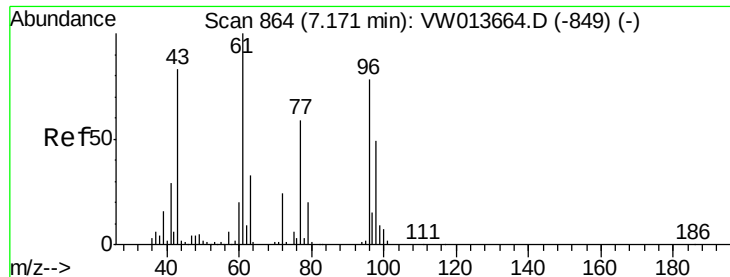
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 303.590 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 205115

Ion Ratio Lower Upper

43 100

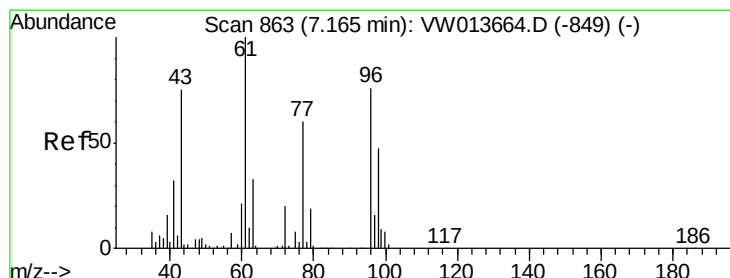
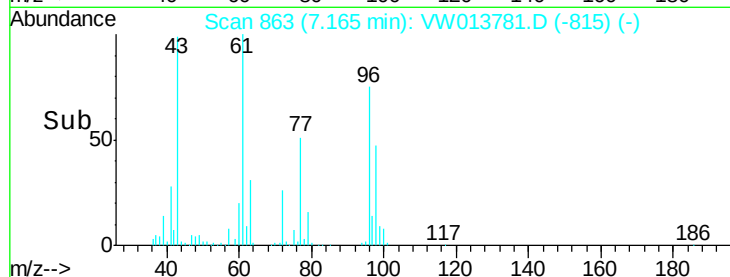
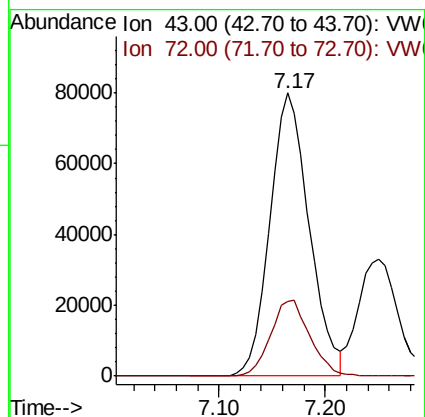
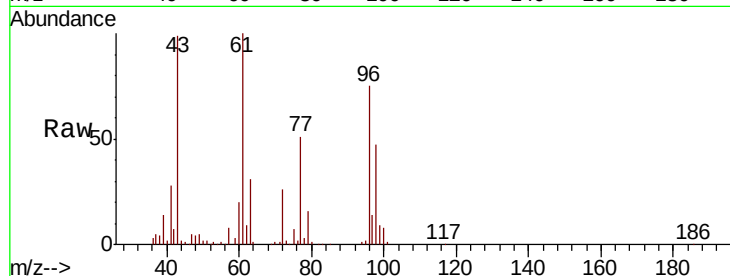
72 26.3 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.749 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013781.D

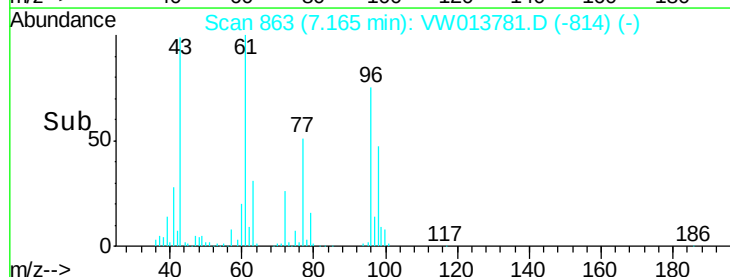
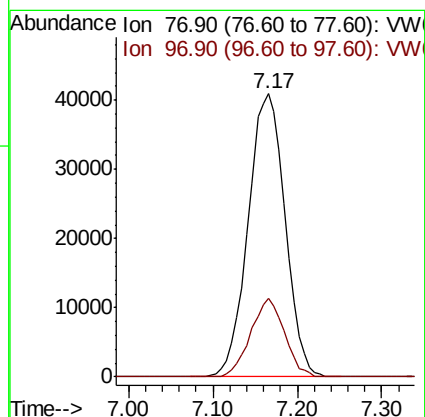
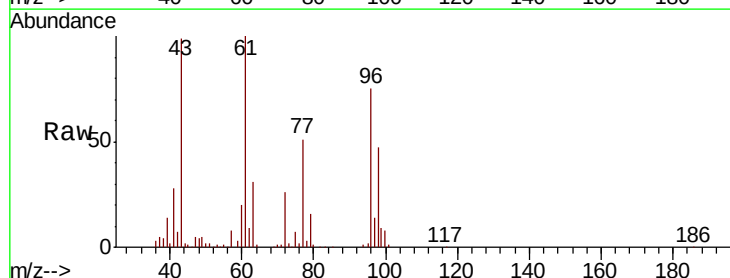
Acq: 28 Oct 2019 21:35

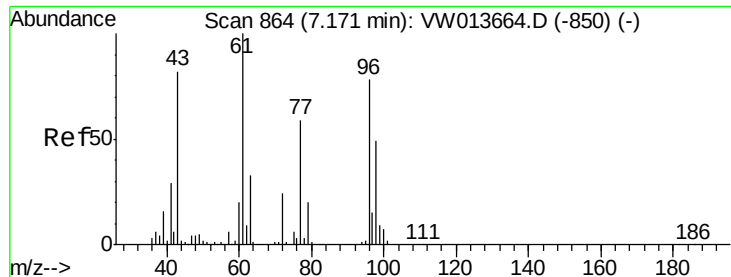
Tgt Ion: 77 Resp: 121800

Ion Ratio Lower Upper

77 100

97 25.7 12.8 38.4





#27

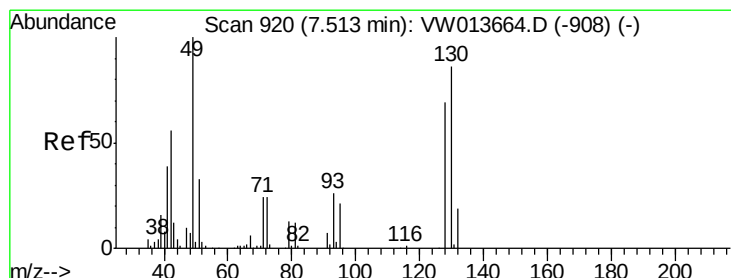
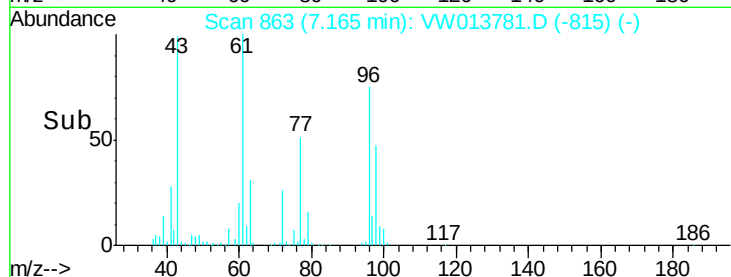
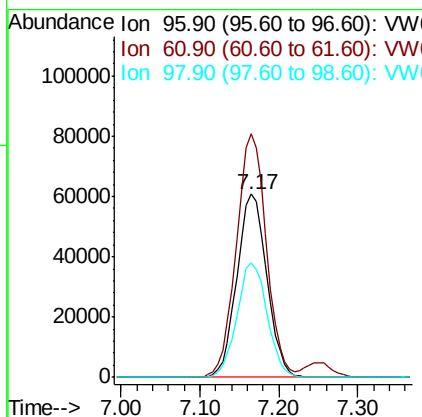
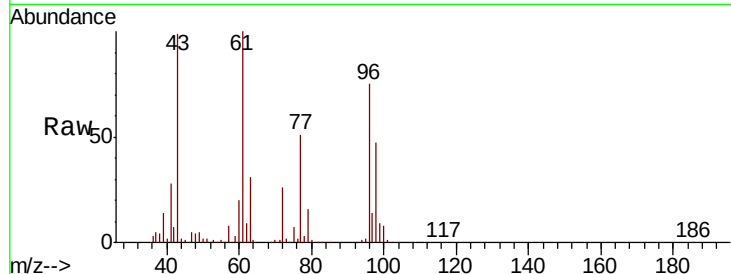
cis-1,2-Dichloroethene
Concen: 53.130 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160940		
61	132.9	0.0	266.0	
98	62.8	0.0	126.8	

Manual Integrations
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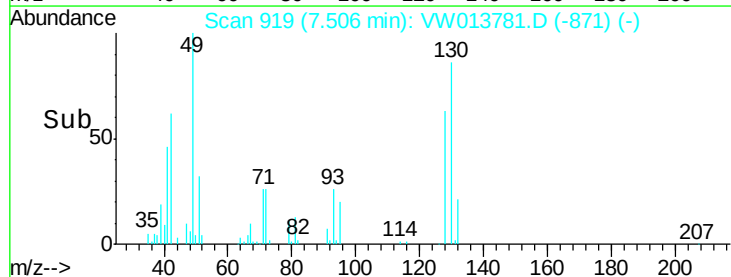
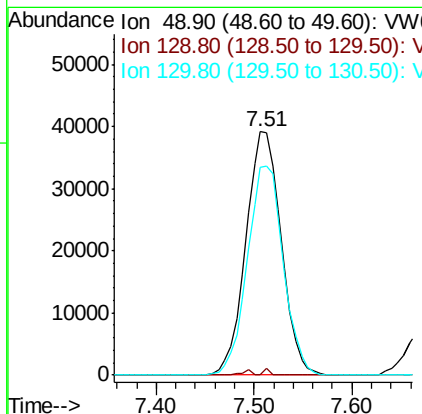
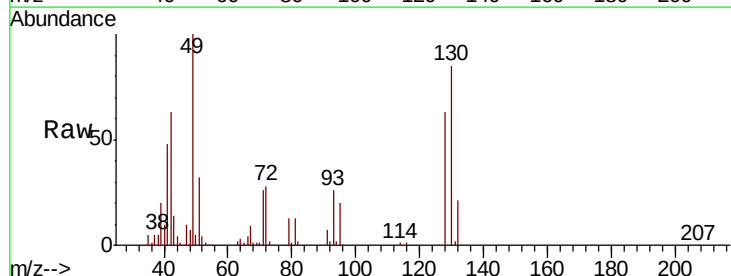
MMDadoda
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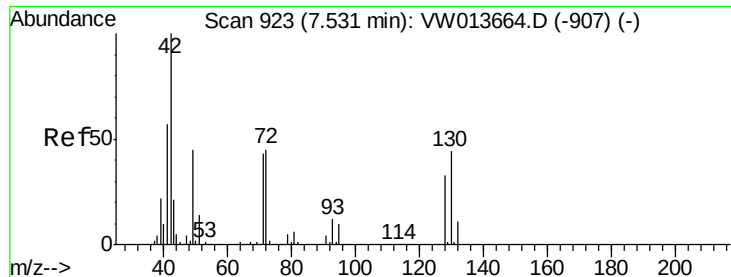


#28

Bromochloromethane
Concen: 58.506 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	98508		
129	0.4	0.0	0.6	
130	87.3	67.5	101.3	





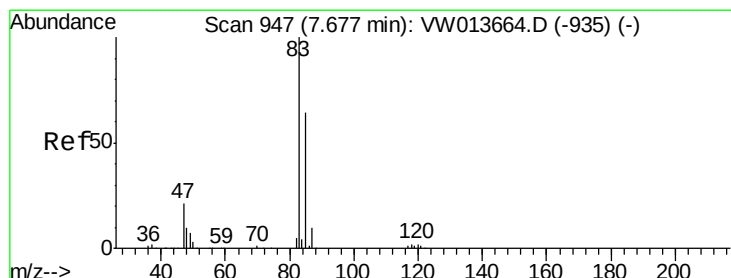
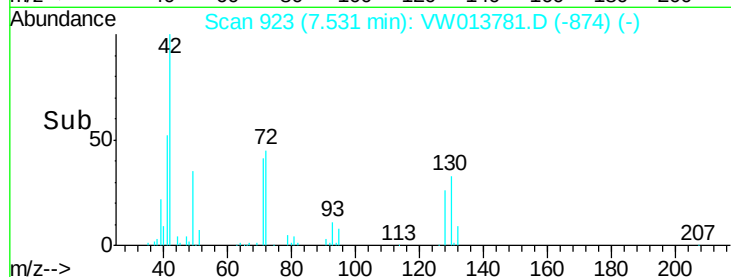
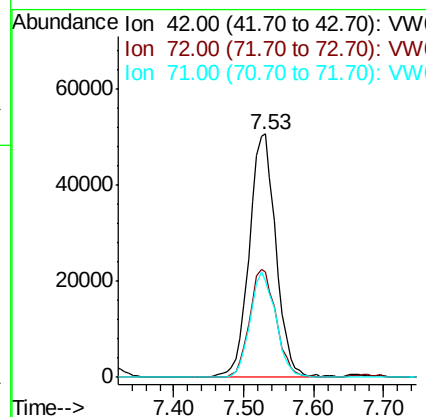
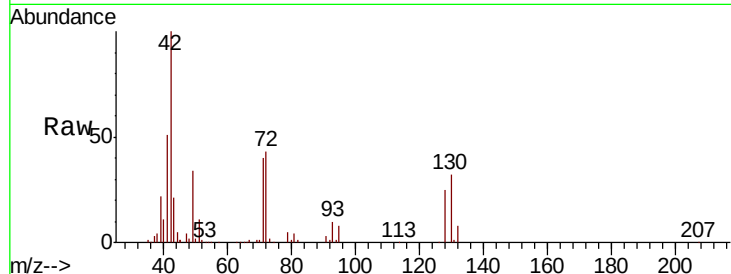
#29
Tetrahydrofuran
Concen: 321.132 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.3	52.9
71	41.4	33.3	49.9

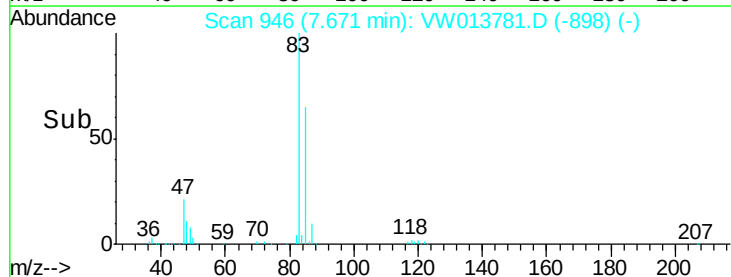
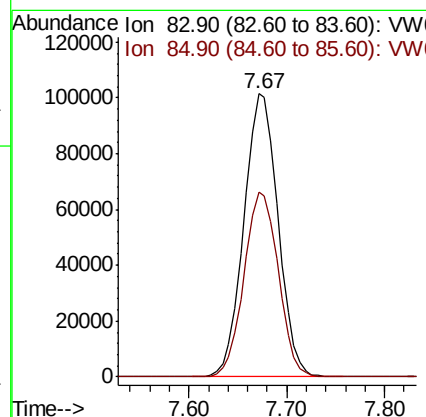
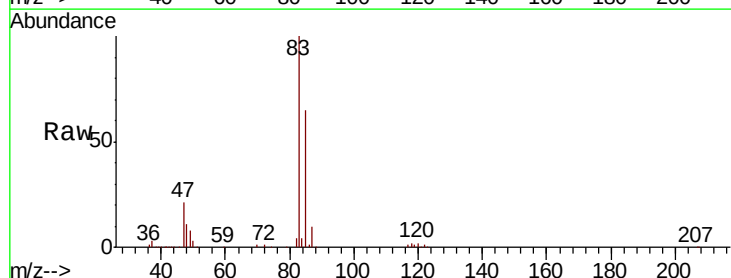
Manual Integrations
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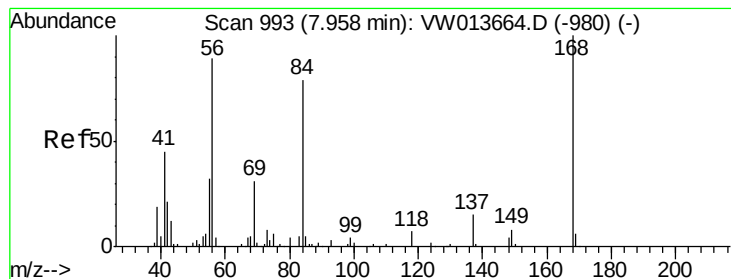
MMDadoda
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#30
Chloroform
Concen: 52.968 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 42.621 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

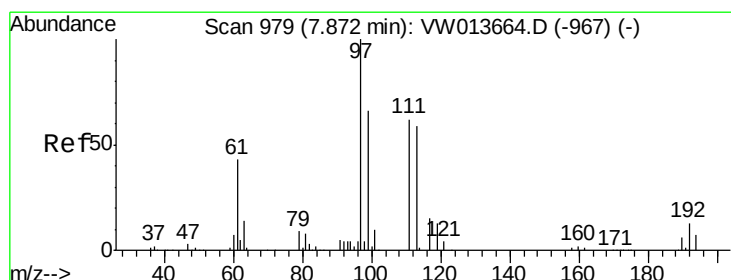
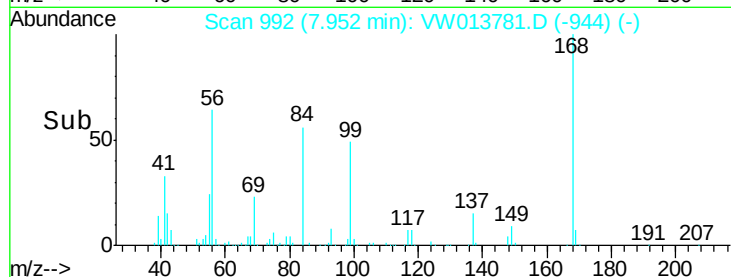
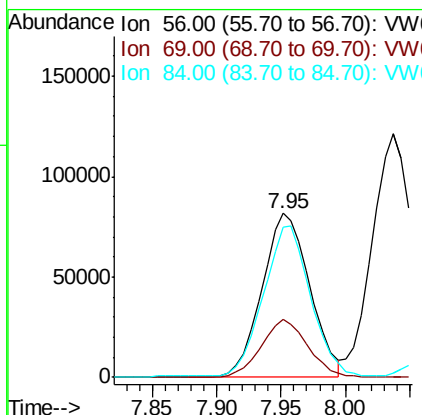
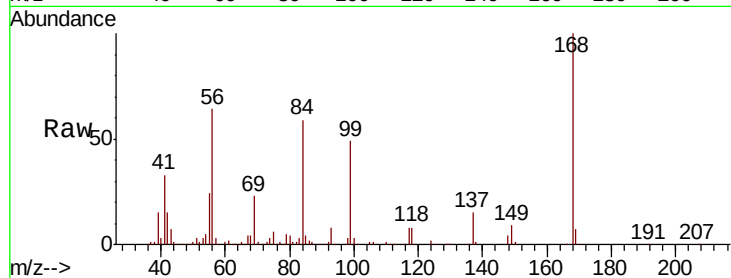
ClientSampleId :

VSTDCCC050EC

Tot Ion	56	Resp	209946
Ion	Ratio	Lower	Upper
56	100		
69	35.4	27.5	41.3
84	90.3	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.830 ug/l

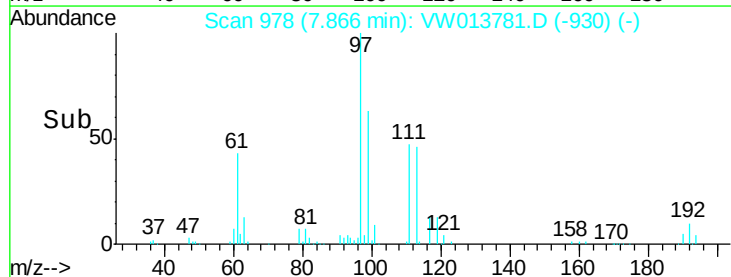
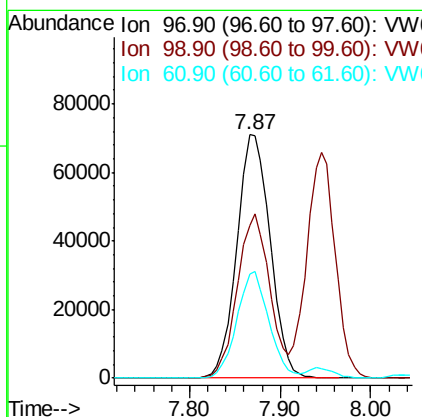
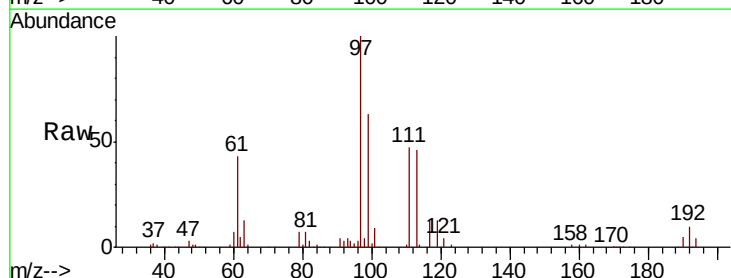
RT: 7.87 min Scan# 978

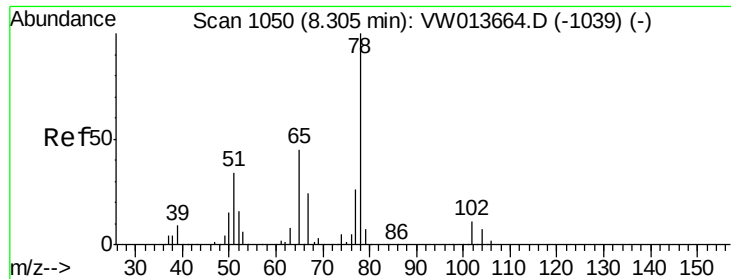
Delta R.T. -0.01 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion	97	Resp	181951
Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.0	78.0
61	42.1	33.8	50.6





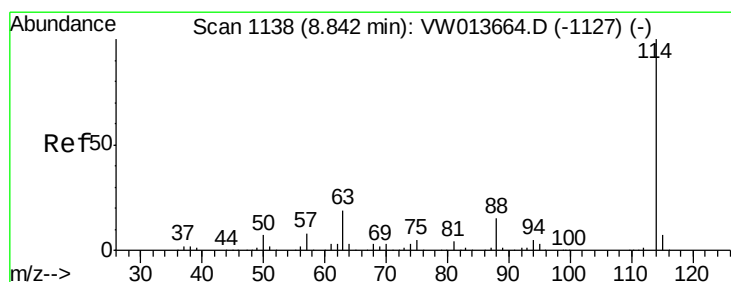
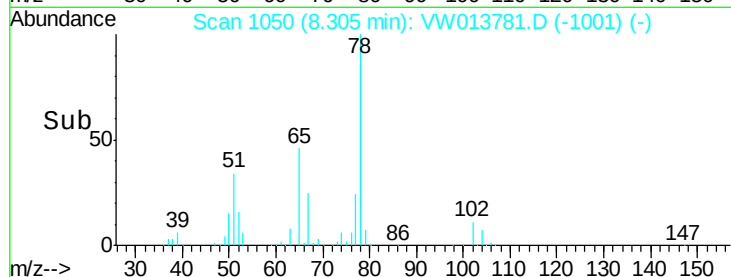
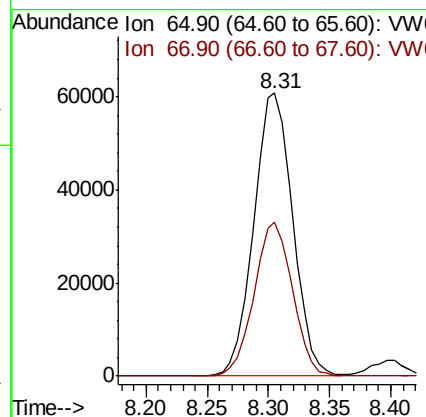
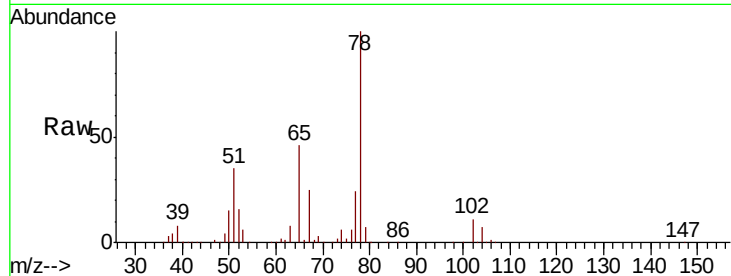
#33
 1,2-Dichloroethane-d4
 Concen: 60.793 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	109.4

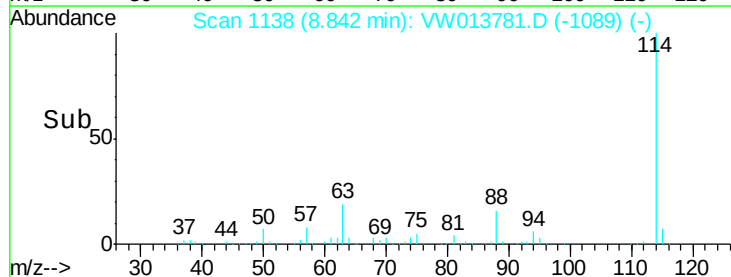
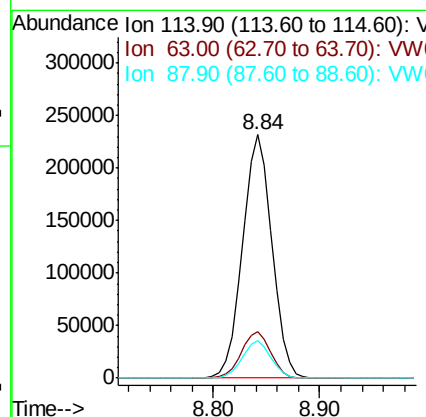
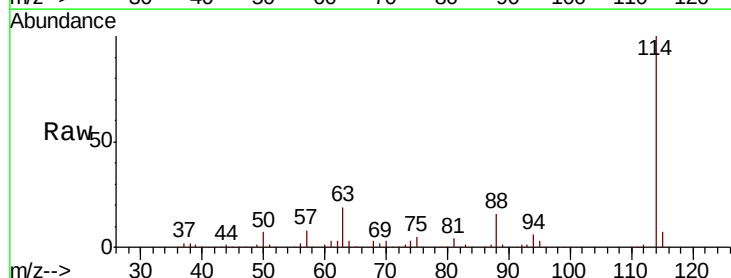
Manual Integrations
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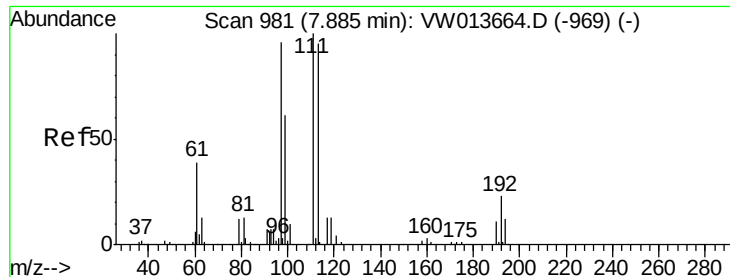
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.6
88	15.5	0.0	30.2





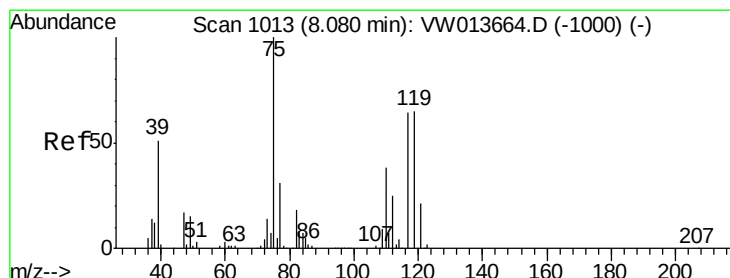
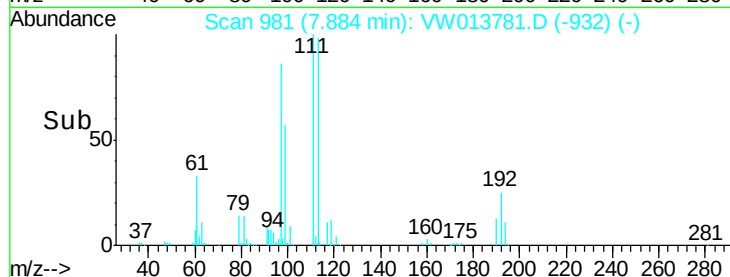
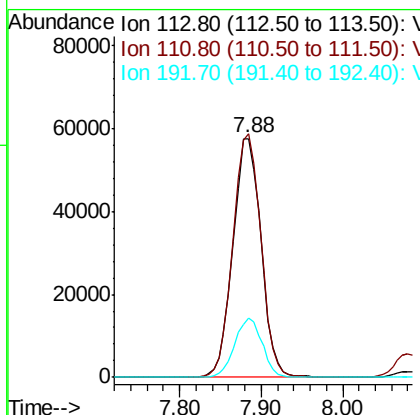
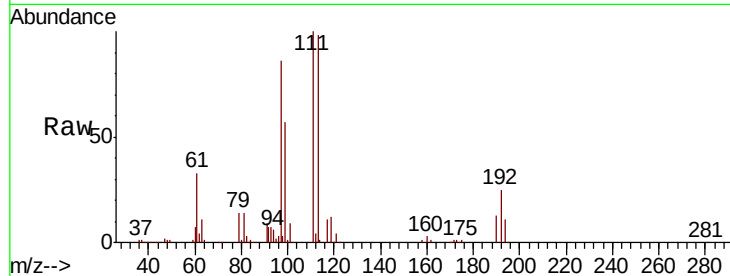
#35
Dibromofluoromethane
Concen: 55.059 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	83.0	124.6	
192	24.2	19.4	29.2	

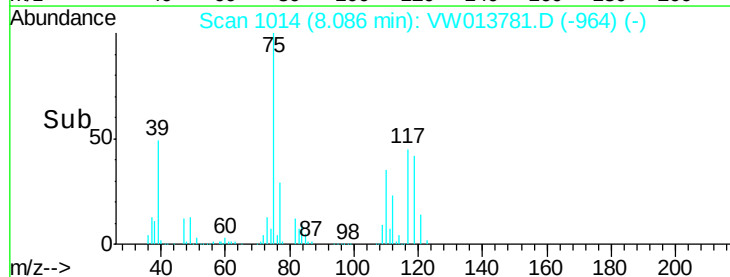
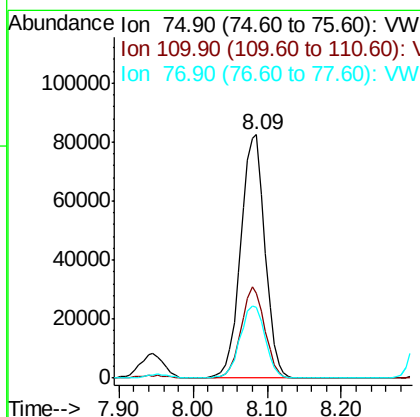
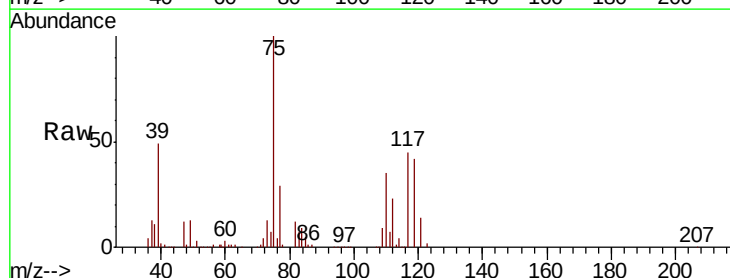
Manual Integrations
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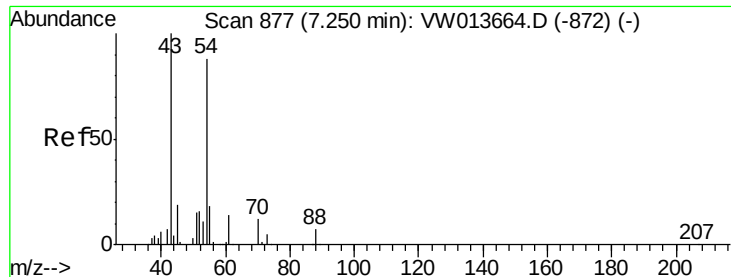
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#36
1,1-Dichloropropene
Concen: 45.144 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.7	56.1	
77	30.9	25.4	38.0	





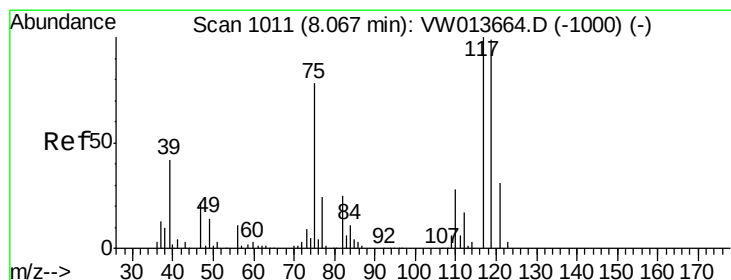
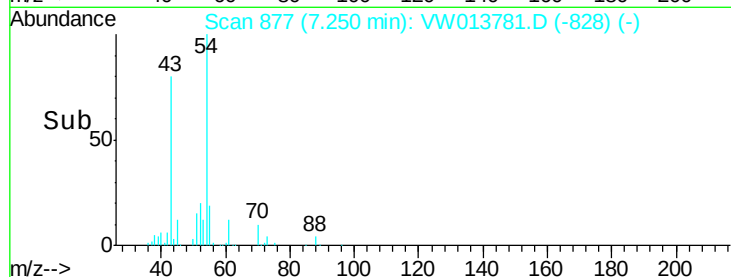
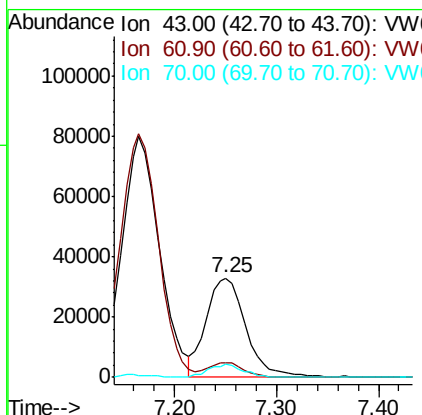
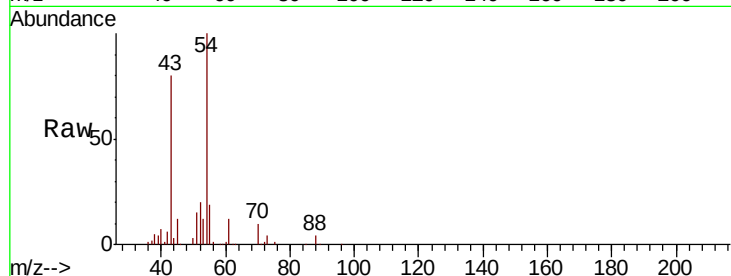
#37
Ethyl Acetate
Concen: 55.049 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	11.8	8.8	13.2

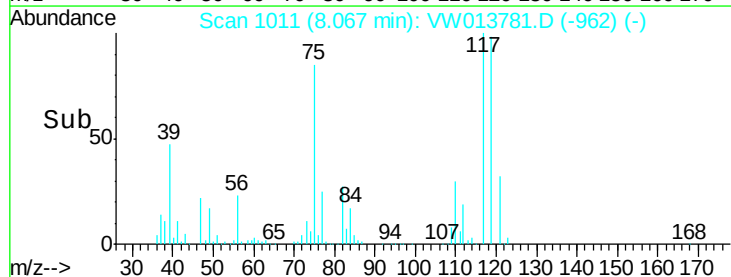
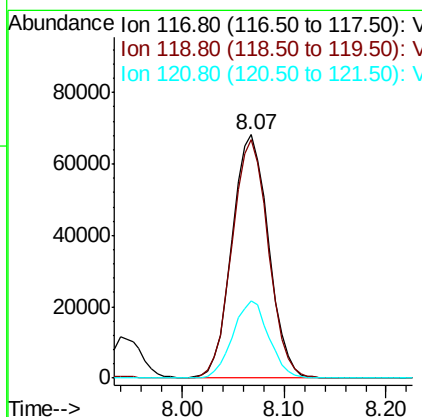
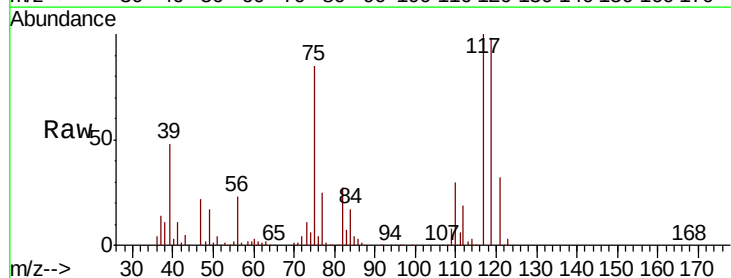
Manual Integrations
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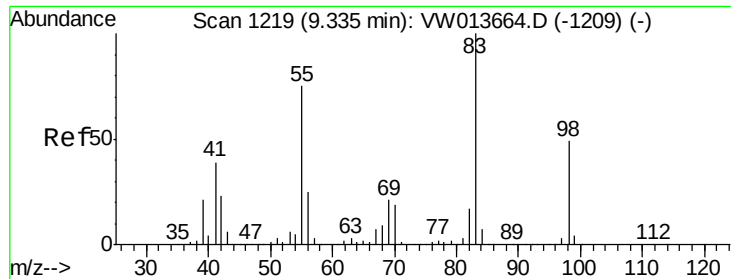
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#38
Carbon Tetrachloride
Concen: 45.059 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	79.0	118.4
121	31.5	24.5	36.7





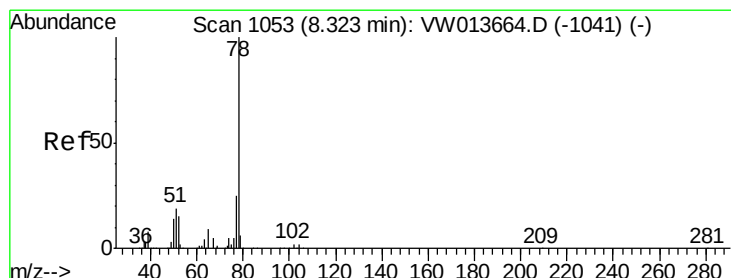
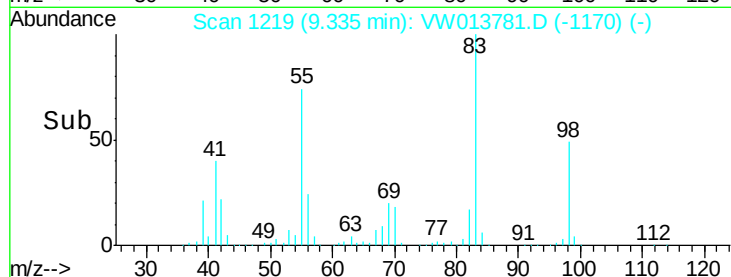
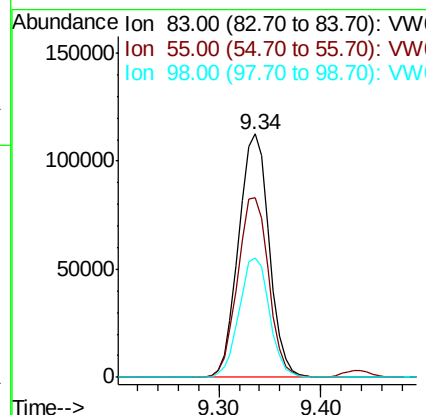
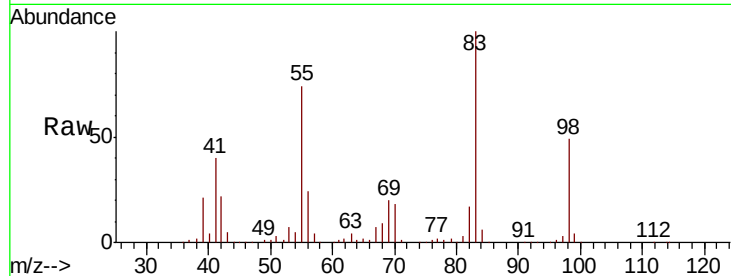
#39
Methylvlcyclohexane
Concen: 43.409 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	234403		
55	73.9		59.9	89.9
98	49.1		39.4	59.2

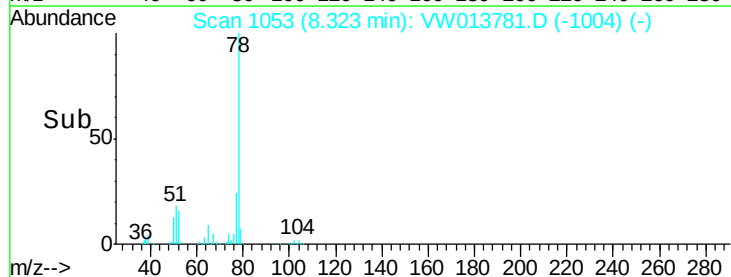
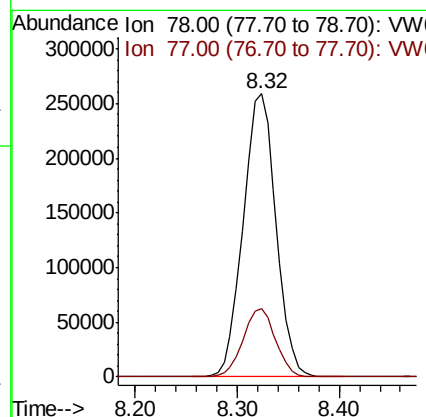
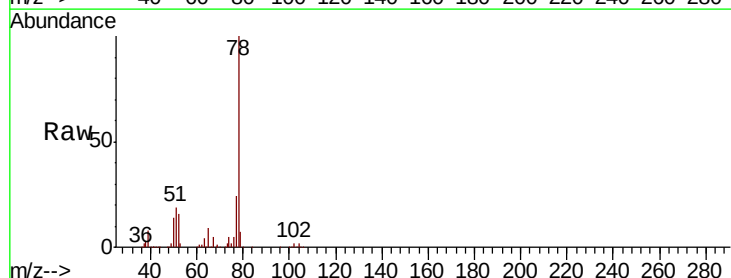
Manual Integrations
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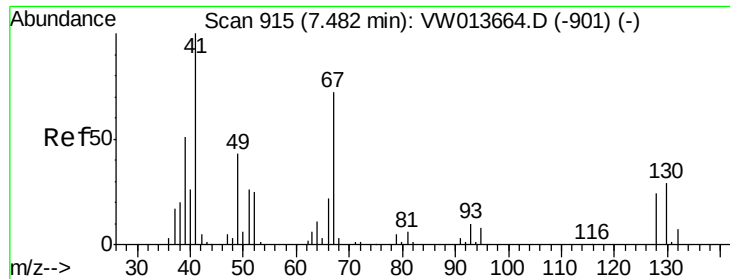
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#40
Benzene
Concen: 48.861 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	578194		
77	24.0		19.6	29.4





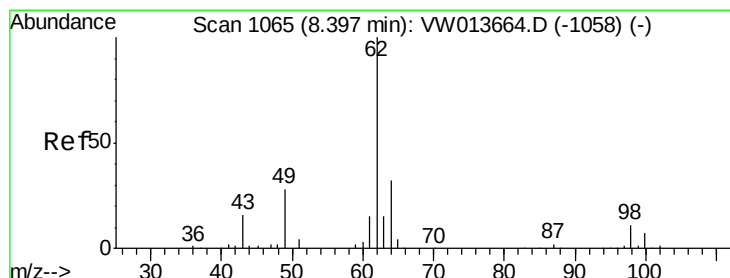
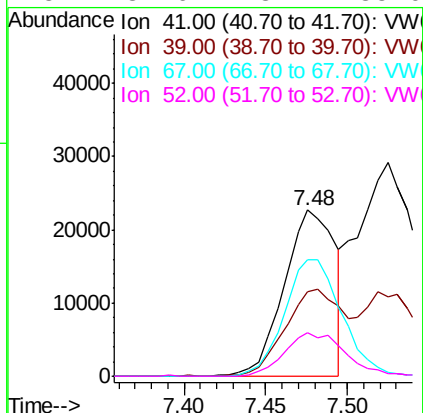
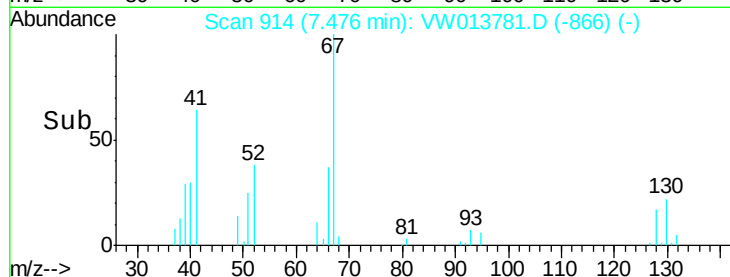
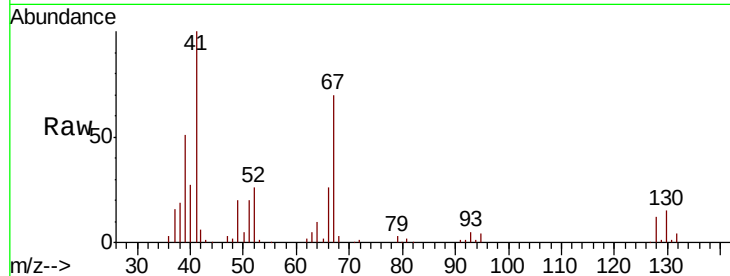
#41
Methacrylonitrile
Concen: 49.217 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	49125
Ion Ratio	Lower	Upper	
41	100		
39	58.6	44.8	67.2
67	79.1	59.3	88.9
52	31.6	23.4	35.0

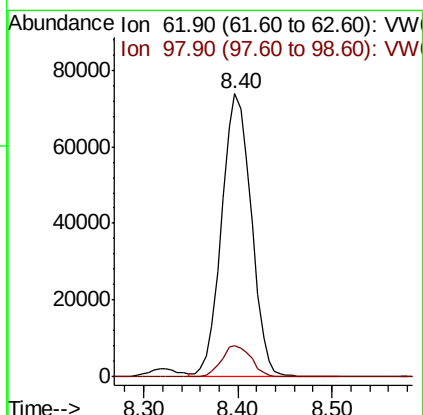
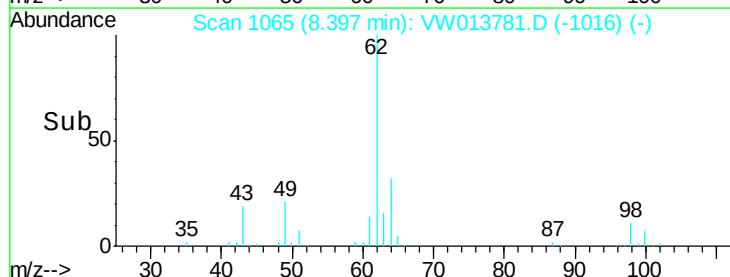
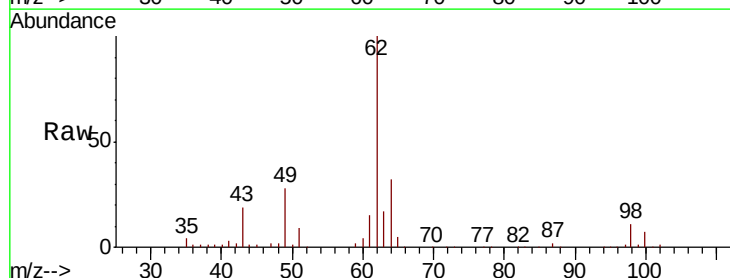
Manual Integrations
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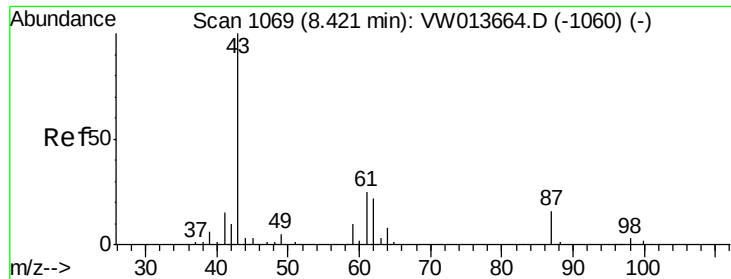
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.085 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	62	Resp	161279
Ion Ratio	Lower	Upper	
62	100		
98	10.9	0.0	22.4





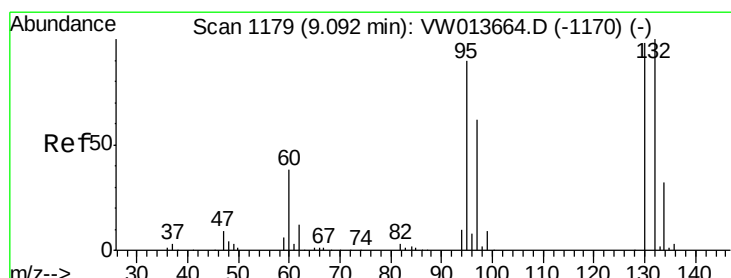
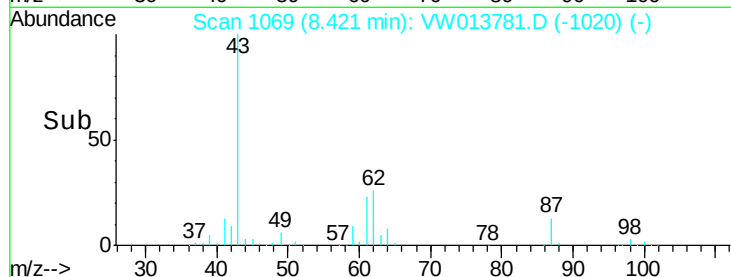
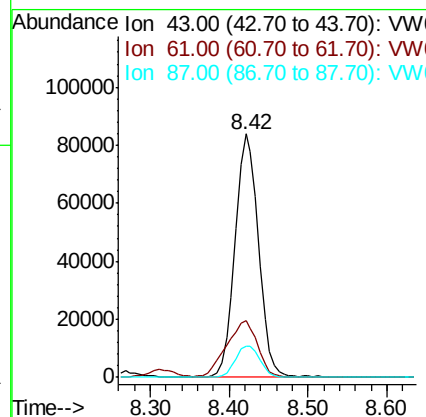
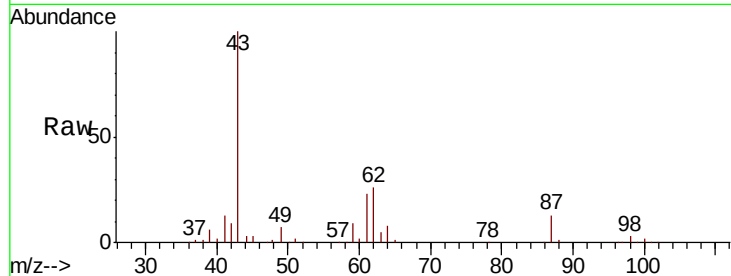
#43
Isopropyl Acetate
Concen: 56.821 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	26.1	39.1
87	13.6	11.4	17.0

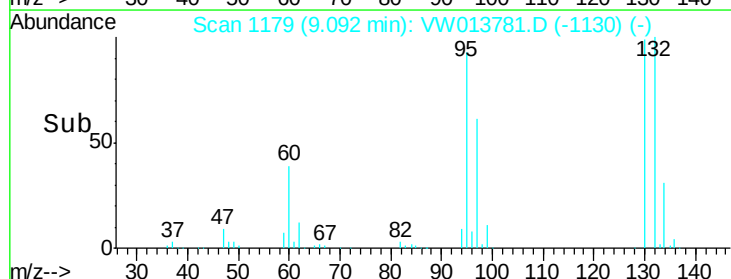
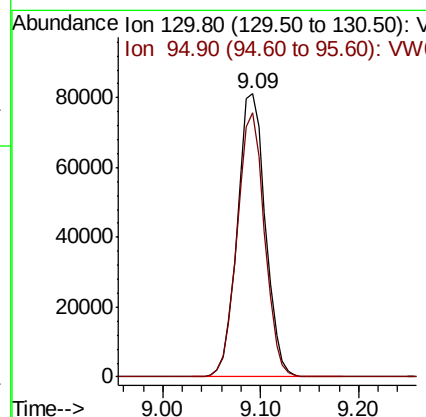
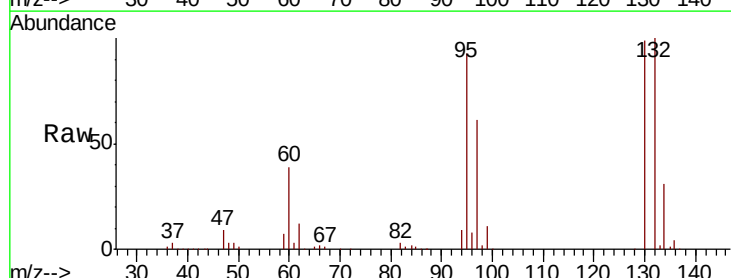
Manual Integrations
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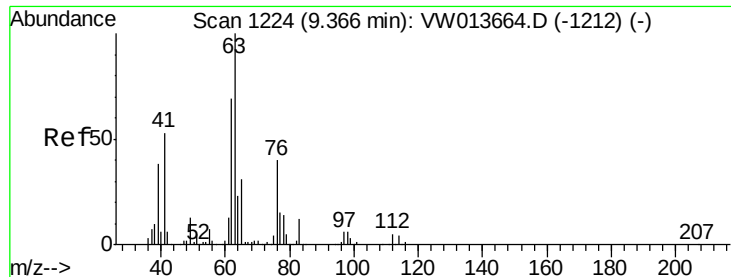
MMDadoda
10/29/2019 2:04:59 PM



#44
Trichloroethene
Concen: 47.594 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	184.6





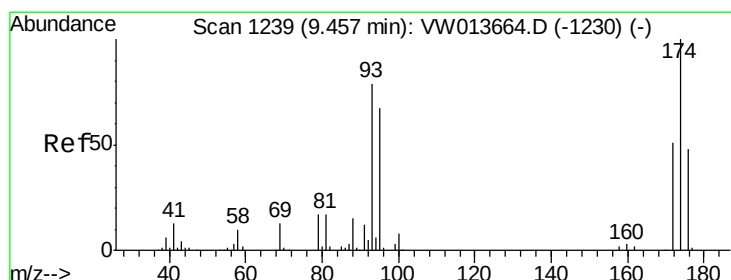
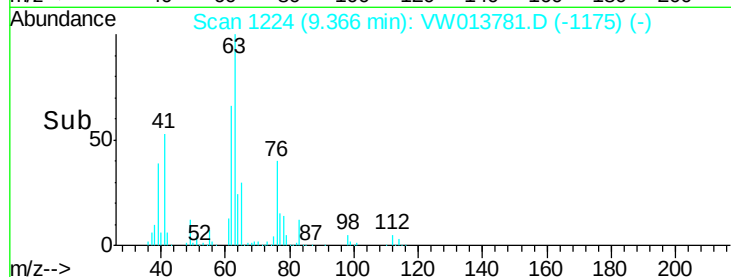
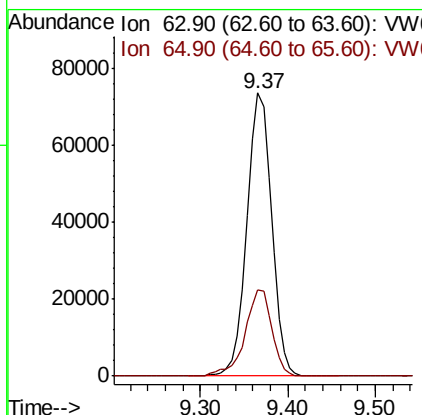
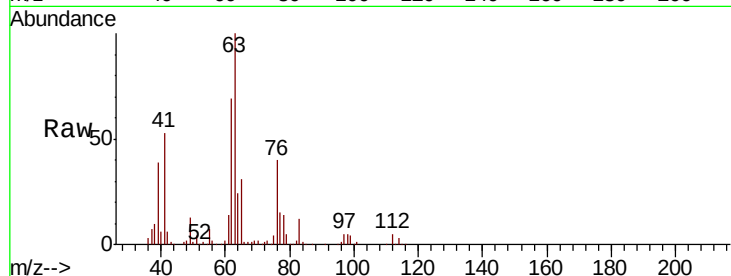
#45
 1,2-Dichloropropane
 Concen: 51.290 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 144971
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.2 37.8

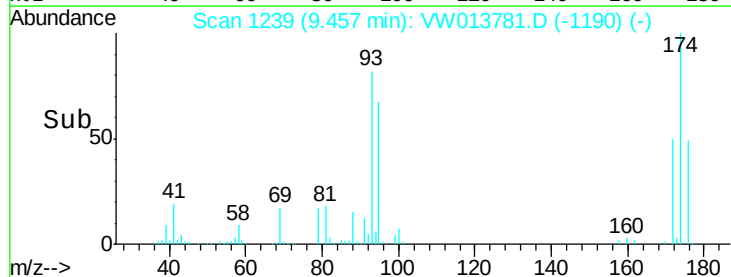
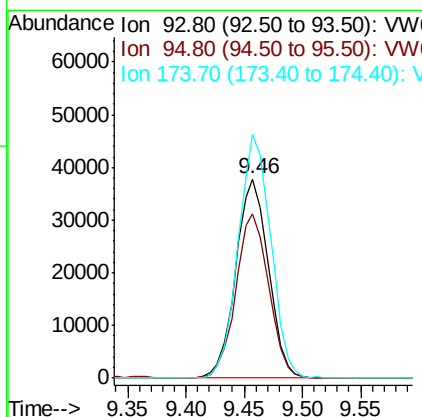
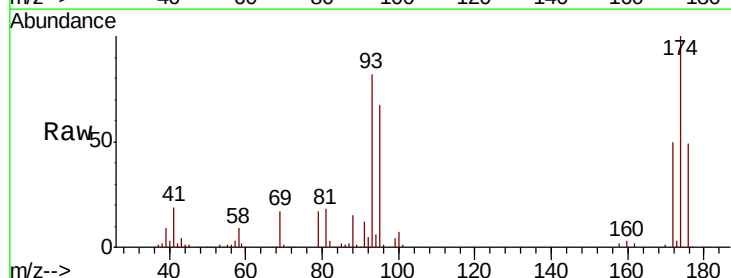
Manual Integrations
 APPROVED

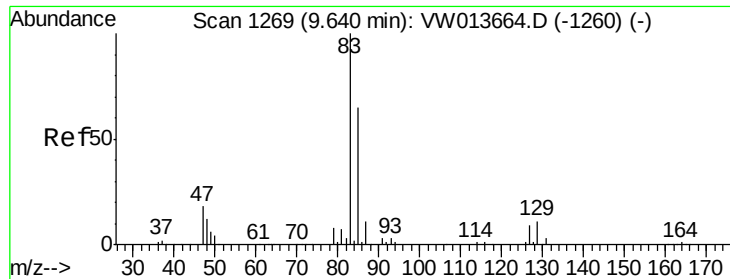
MMDadoda
 10/29/2019 2:04:59 PM



#46
 Dibromomethane
 Concen: 53.974 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 93 Resp: 74045
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.5 99.7
 174 122.1 99.6 149.4





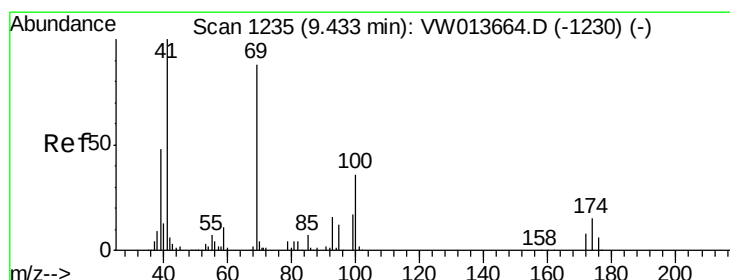
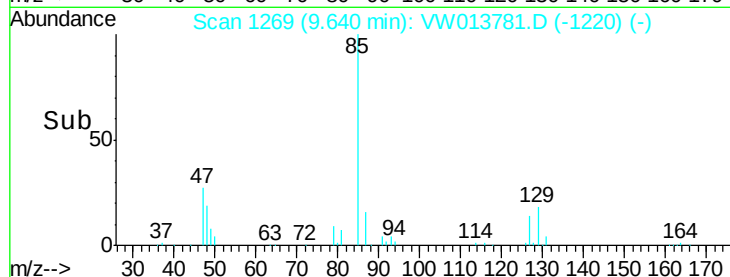
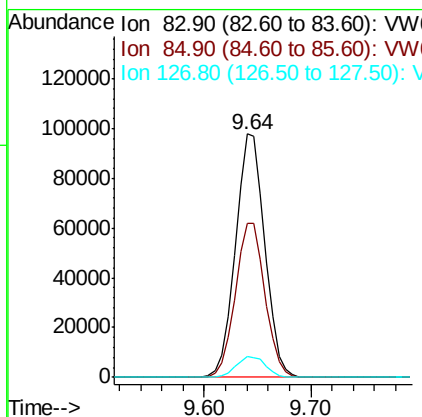
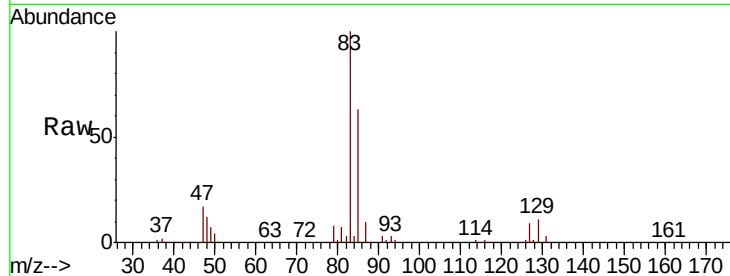
#47
Bromodichloromethane
Concen: 53.116 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	188539		
85	63.2		51.8	77.6
127	8.7		7.3	10.9

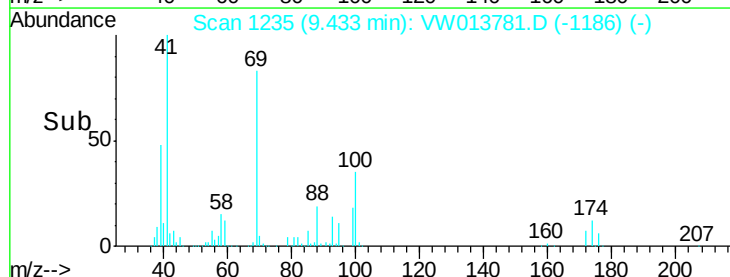
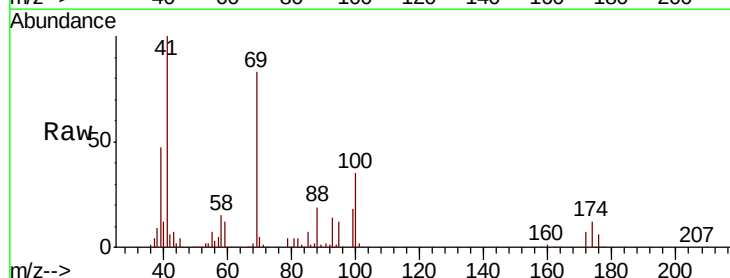
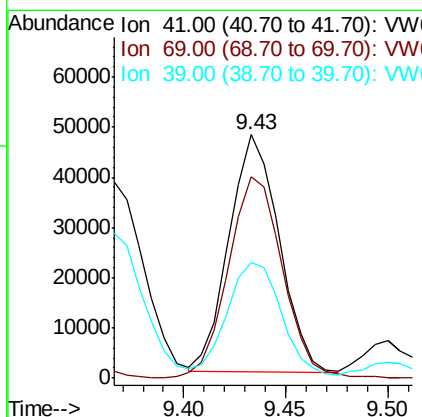
Manual Integrations
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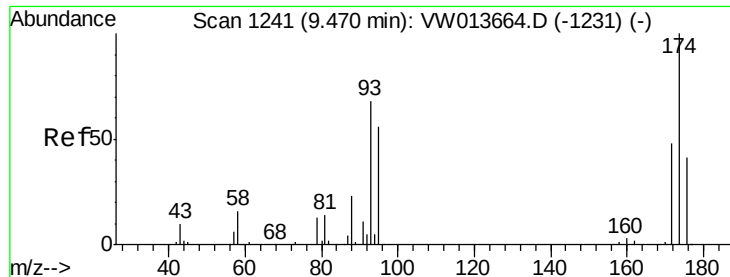
MMDadoda
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#48
Methyl methacrylate
Concen: 52.765 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	80169		
69	92.7		67.6	101.4
39	54.1		38.6	58.0





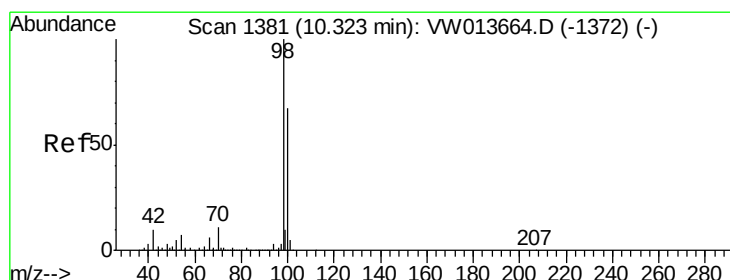
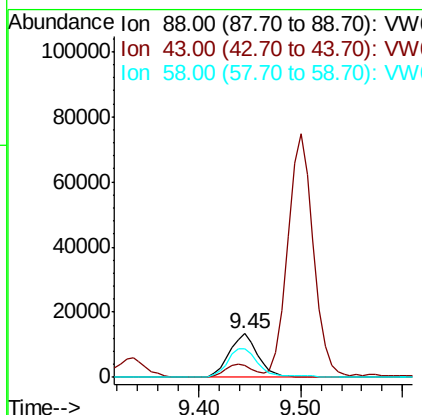
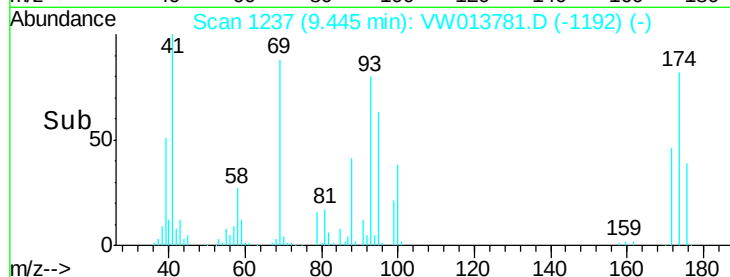
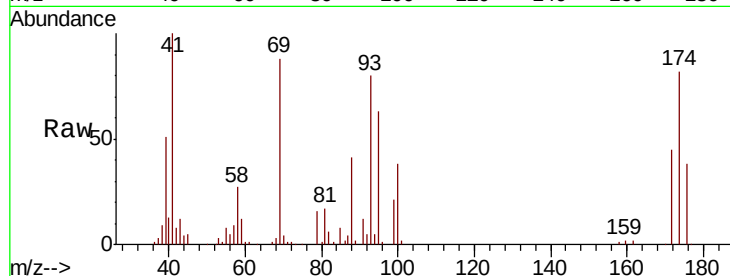
#49
1,4-Dioxane
Concen: 1276.546 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	0.0	0.0#
58	68.6	58.9	88.3

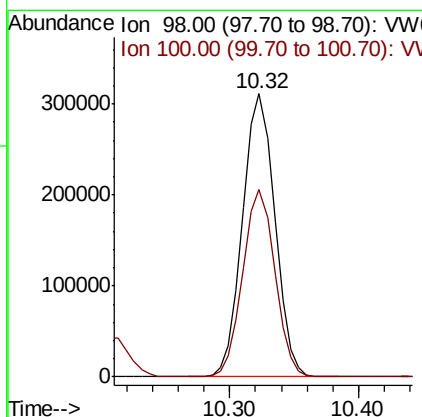
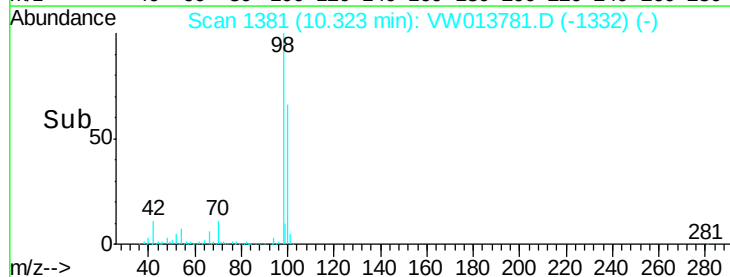
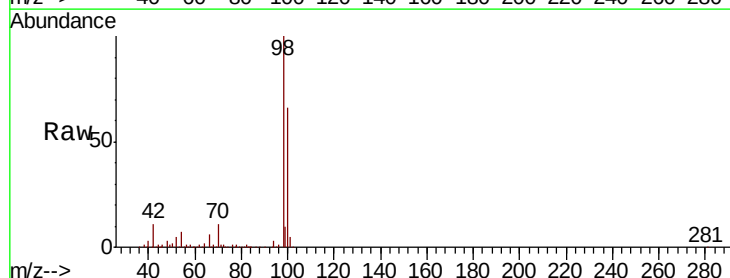
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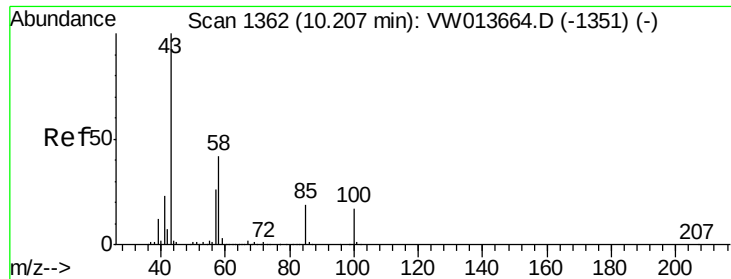
MMDadoda
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#50
Toluene-d8
Concen: 53.083 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0





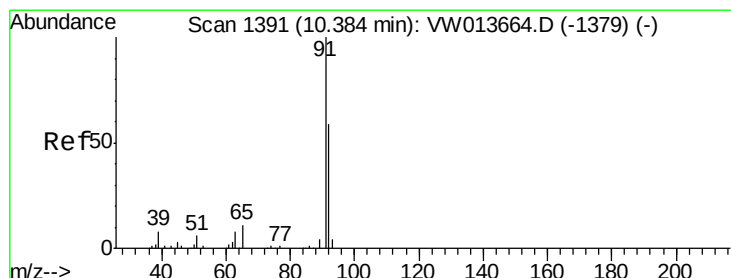
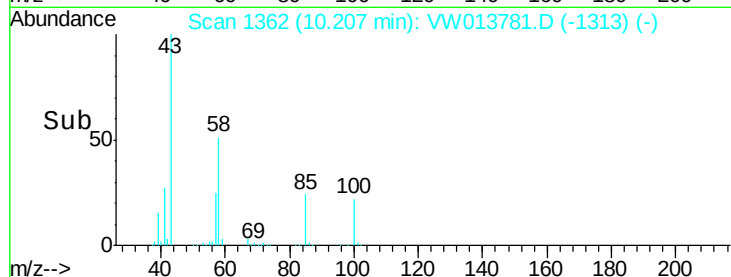
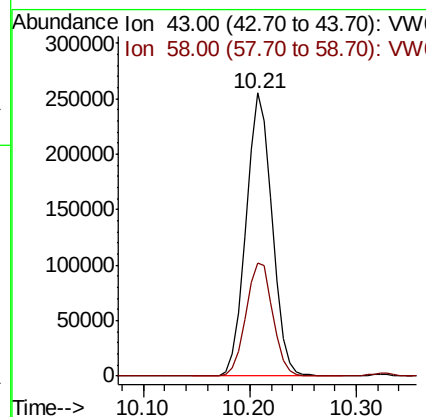
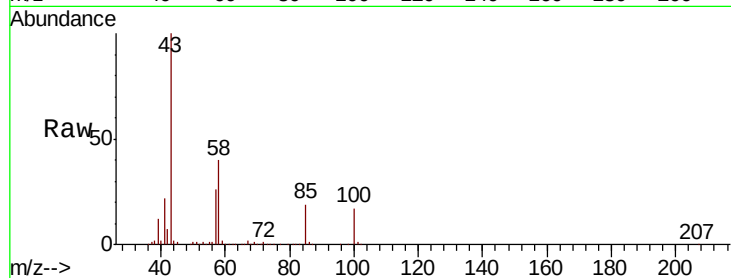
#51
4-Methyl-2-Pentanone
Concen: 289.070 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	32.6	49.0

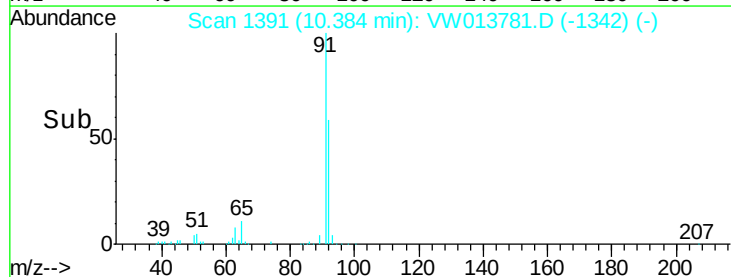
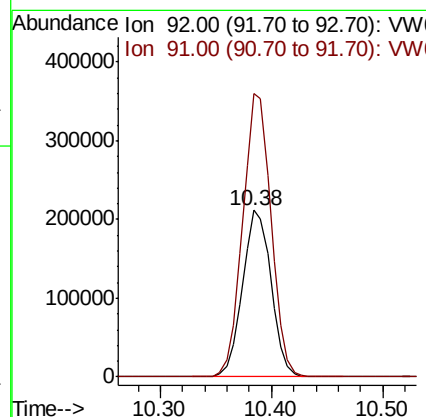
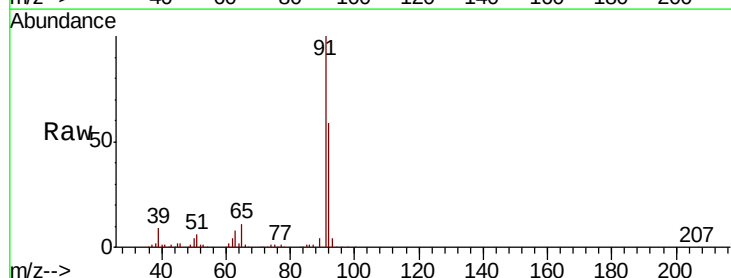
Manual Integrations
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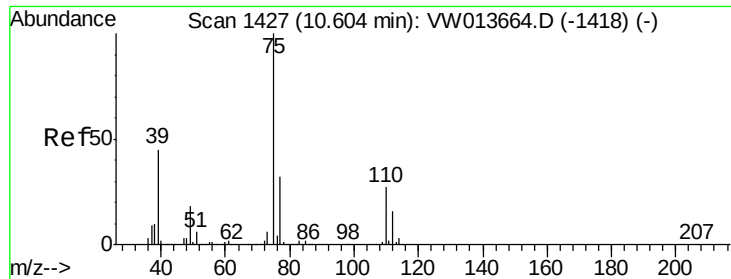
MMDadoda
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#52
Toluene
Concen: 49.134 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	134.5	201.7





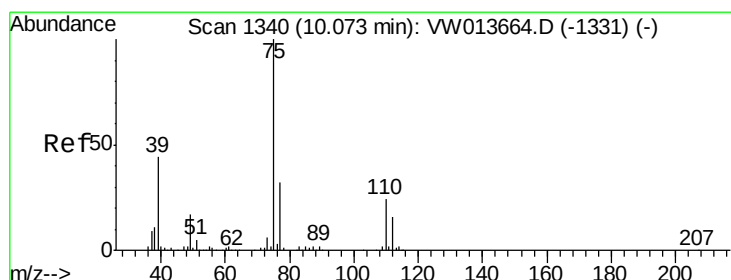
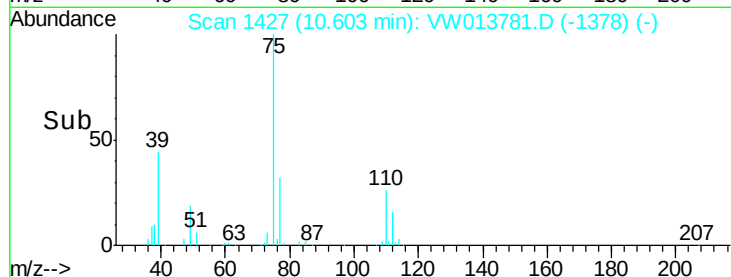
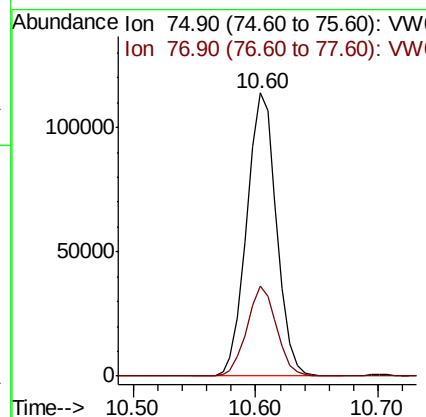
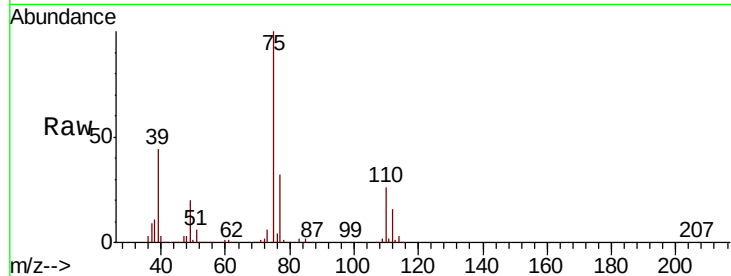
#53
t-1,3-Dichloropropene
Concen: 53.604 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

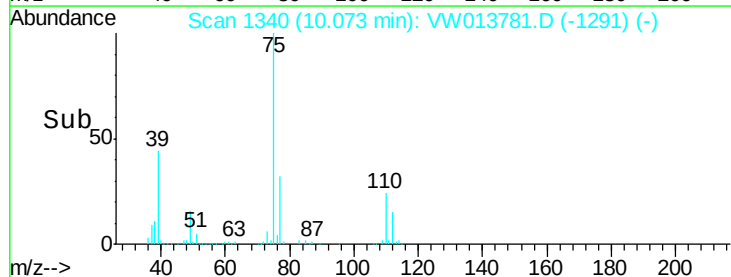
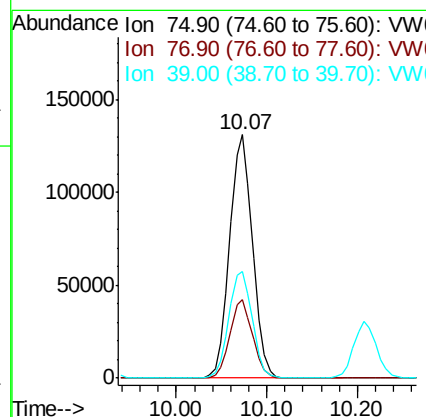
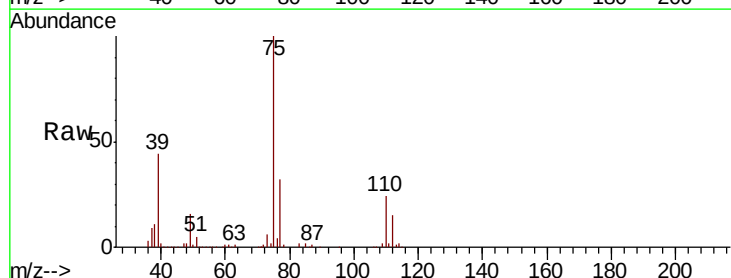
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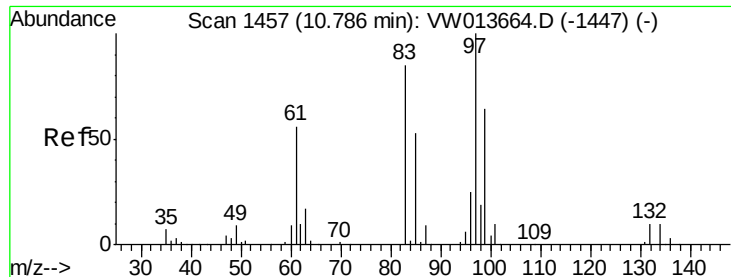
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.671 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.6
39	44.0	35.3	52.9





#55

1,1,2-Trichloroethane

Concen: 53.643 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

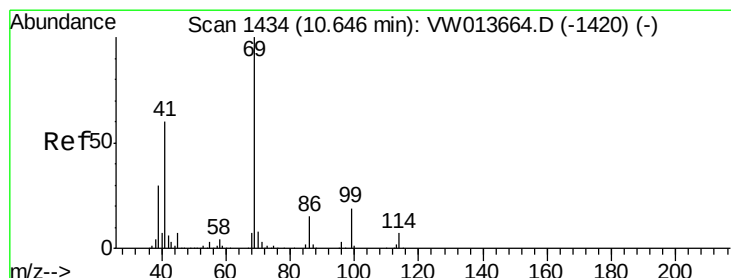
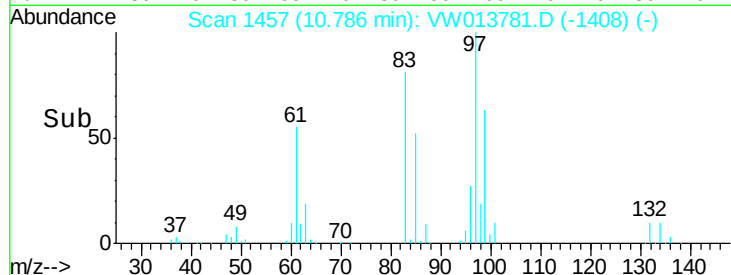
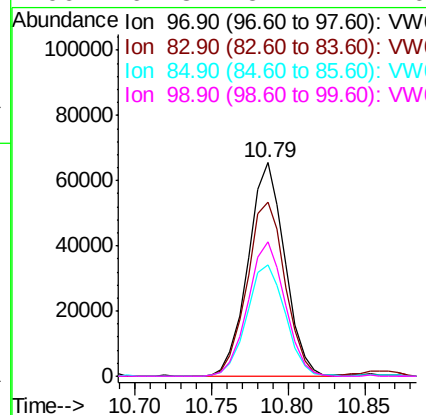
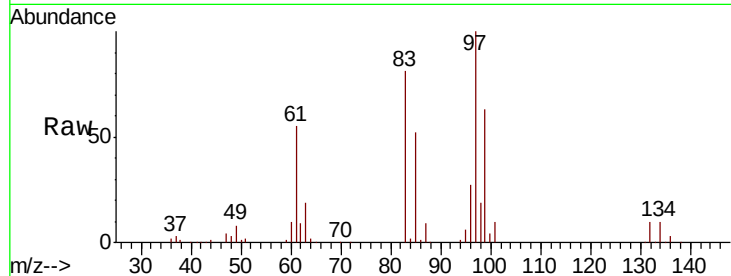
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109675		
83	81.4	67.8	101.8		
85	51.8	42.1	63.1		
99	62.8	51.4	77.0		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 57.447 ug/l

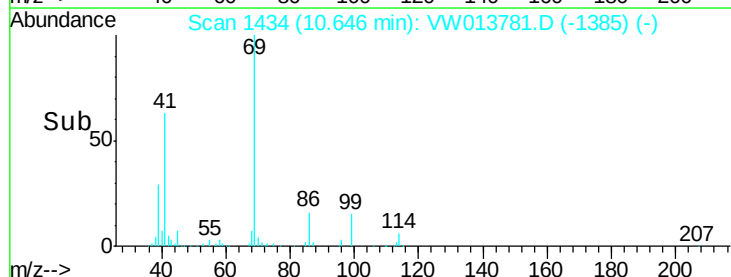
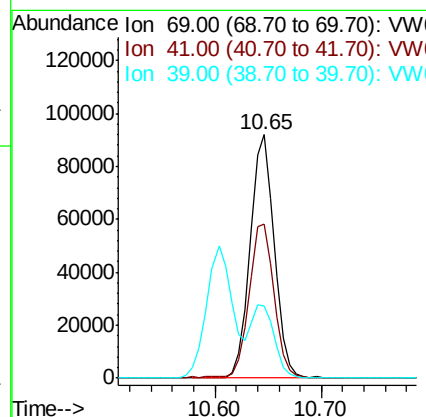
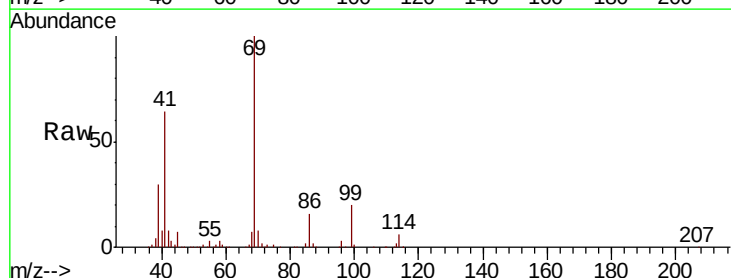
RT: 10.65 min Scan# 1434

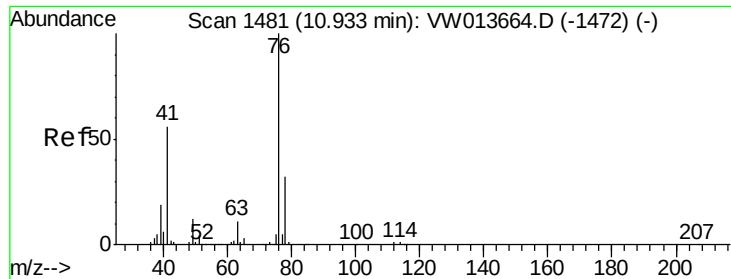
Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		146947		
41	66.0	51.6	77.4		
39	28.8	22.4	33.6		





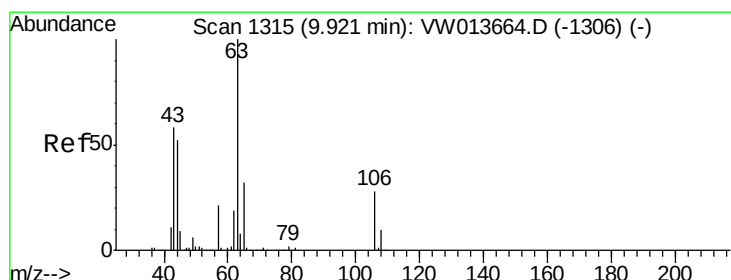
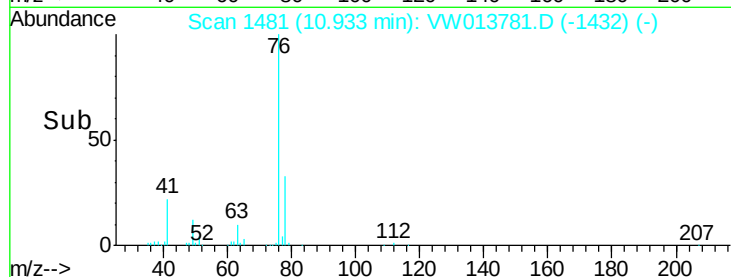
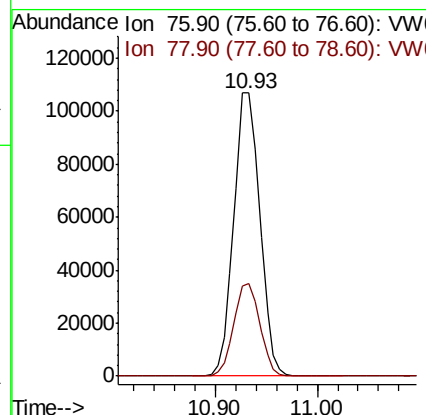
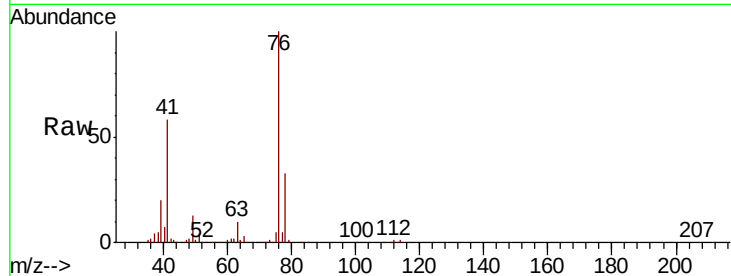
#57
 1,3-Dichloropropane
 Concen: 53.876 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 189025
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.0 39.0

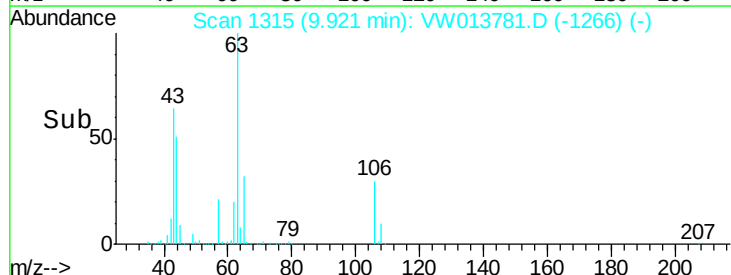
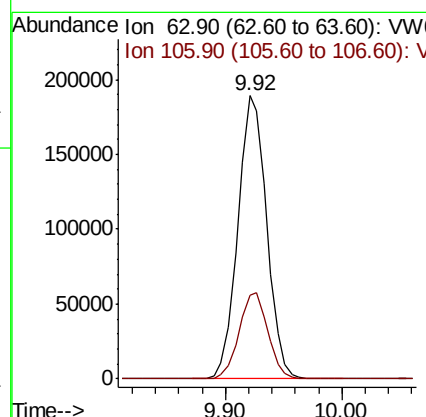
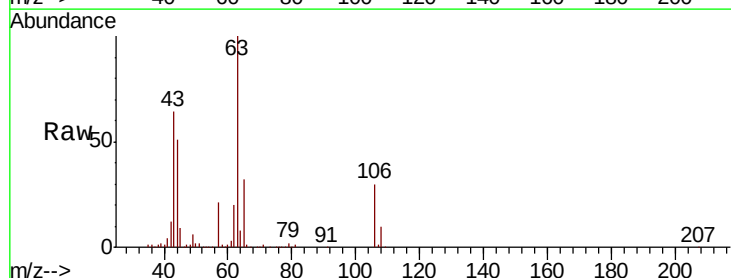
Manual Integrations
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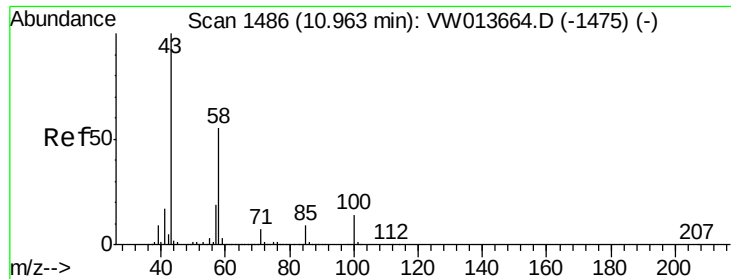
MMDadoda
 10/29/2019 2:04:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.734 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion: 63 Resp: 325790
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.8 35.8





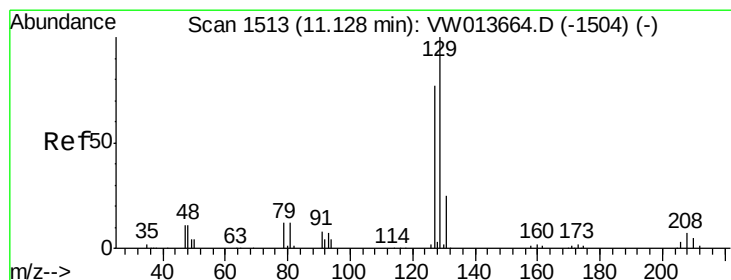
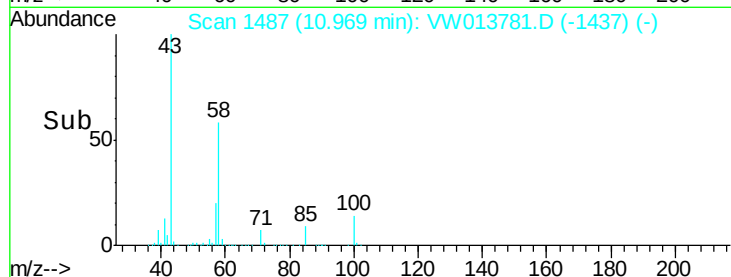
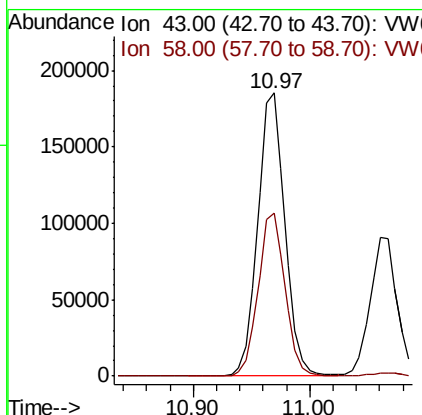
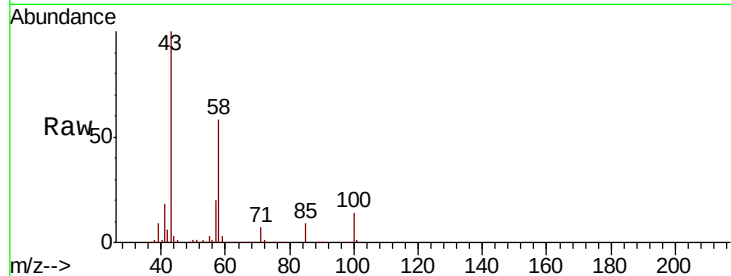
#59
2-Hexanone
Concen: 287.190 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	301431
Ion Ratio	100	Lower	Upper
43	100		
58	57.2	27.9	83.7

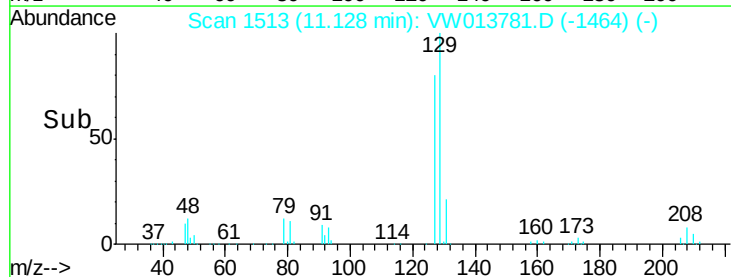
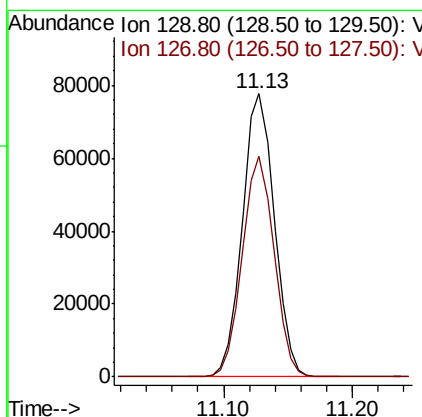
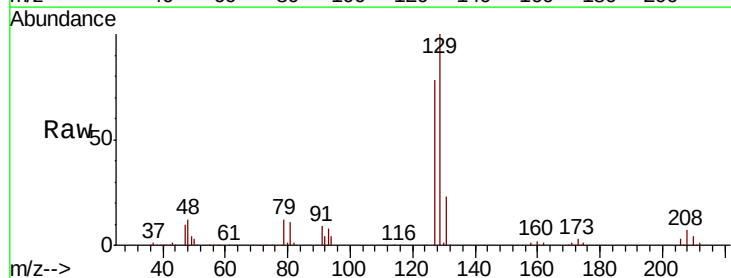
Manual Integrations
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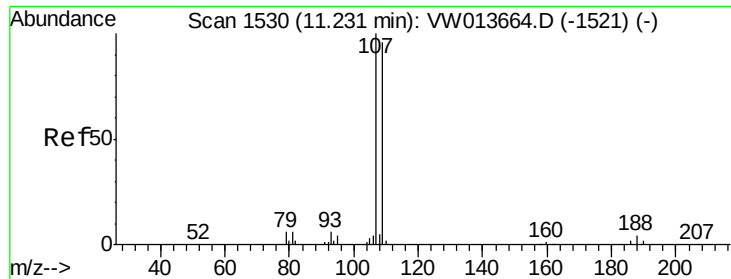
MMDadoda
10/29/2019 2:04:59 PM



#60
Dibromochloromethane
Concen: 54.947 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	129	Resp	133383
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.9	116.7





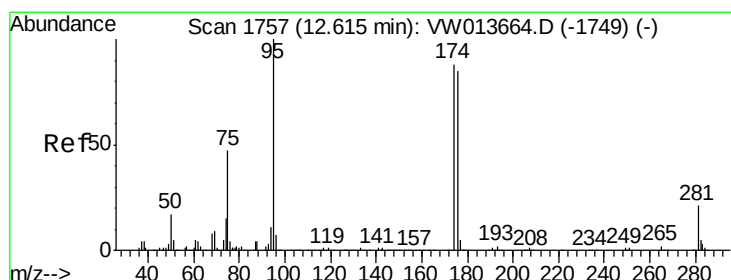
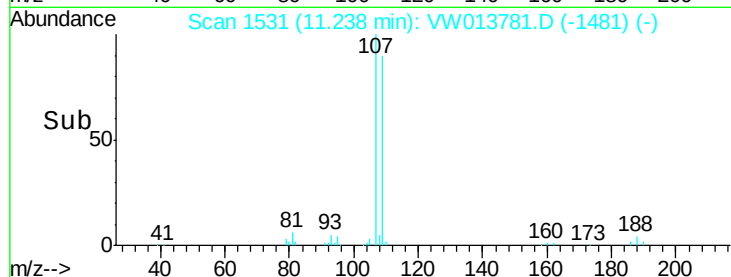
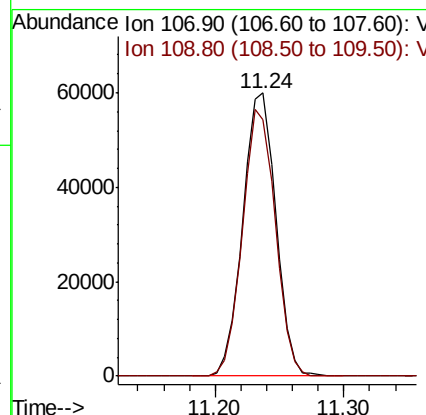
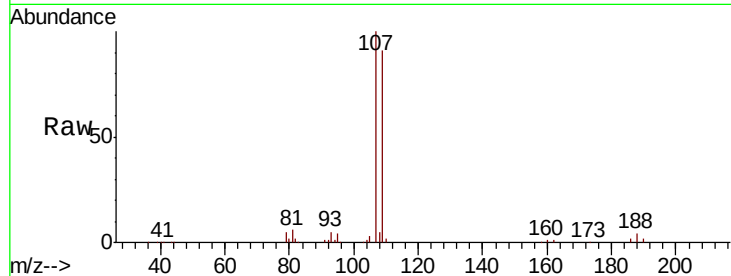
#61
 1,2-Dibromoethane
 Concen: 54.933 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	106255		
109	93.9	75.7	113.5	

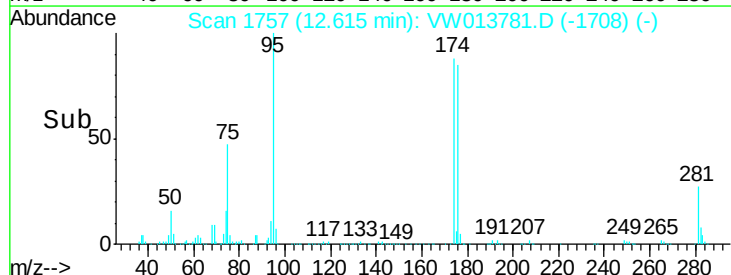
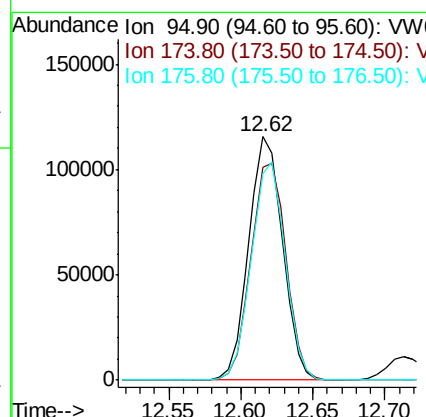
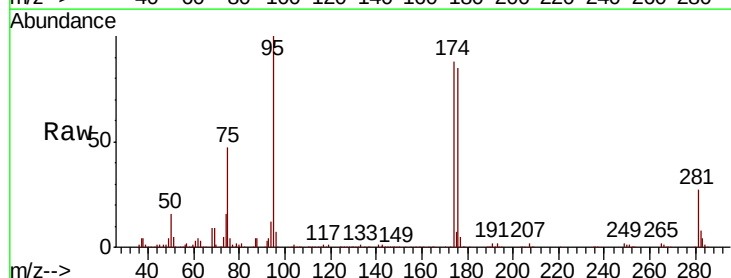
Manual Integrations
 APPROVED

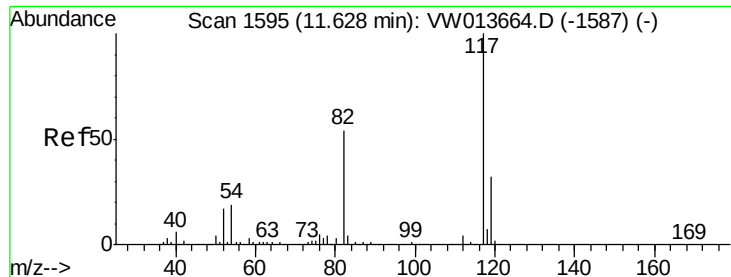
MMDadoda
 10/29/2019 2:04:59 PM



#62
 4-Bromofluorobenzene
 Concen: 54.595 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	187922		
174	92.1	0.0	183.6	
176	89.7	0.0	178.0	





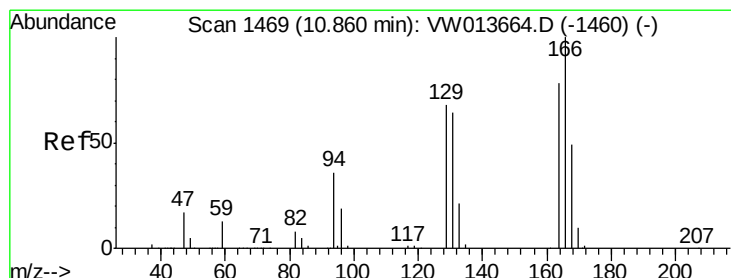
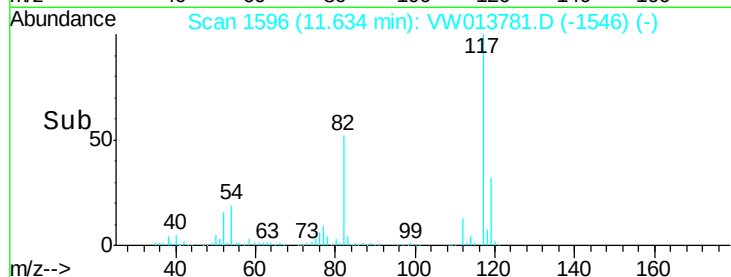
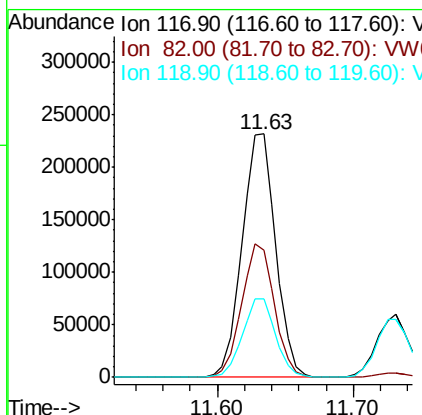
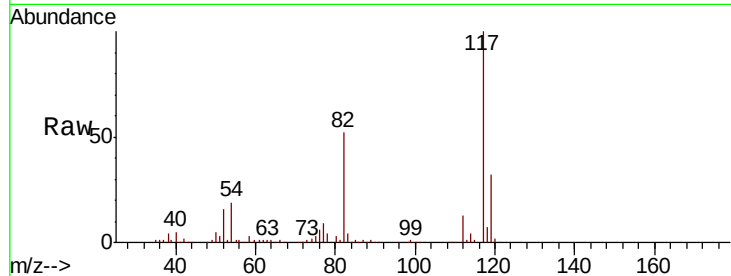
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.6	65.4
119	32.4	25.4	38.2

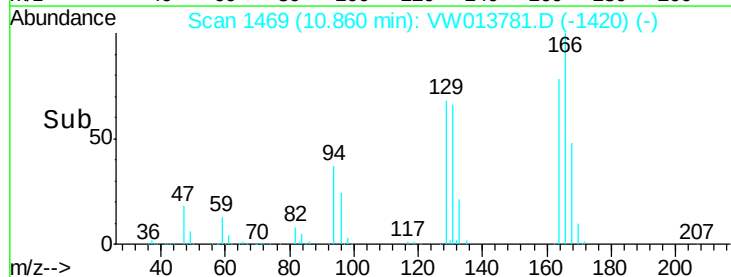
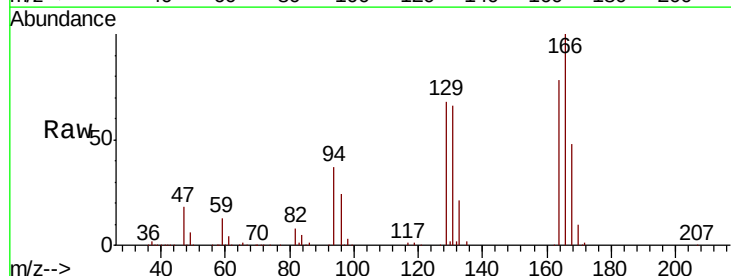
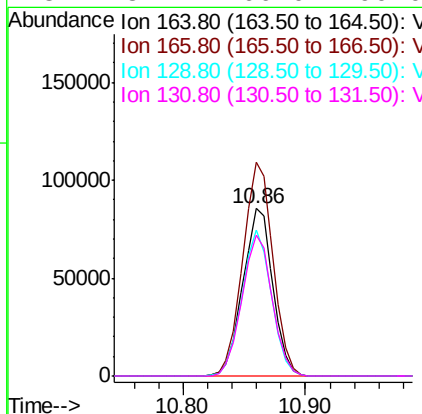
Manual Integrations
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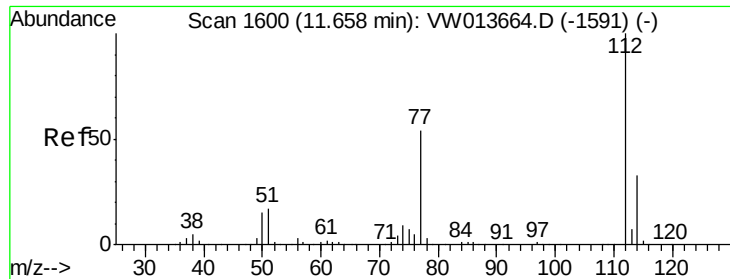
MMDadoda
10/29/2019 2:04:59 PM



#64
Tetrachloroethene
Concen: 47.556 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	103.2	154.8
129	87.1	70.6	105.8
131	84.2	66.0	99.0





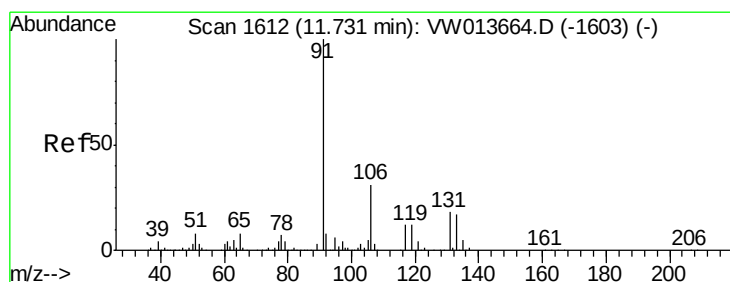
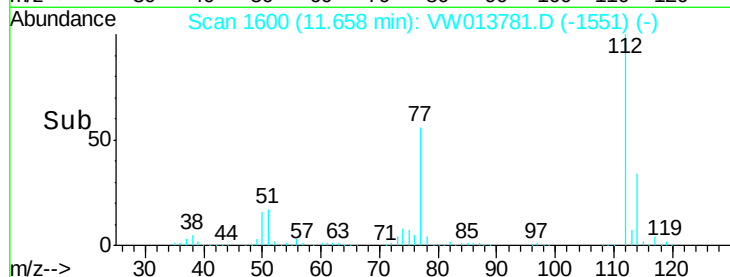
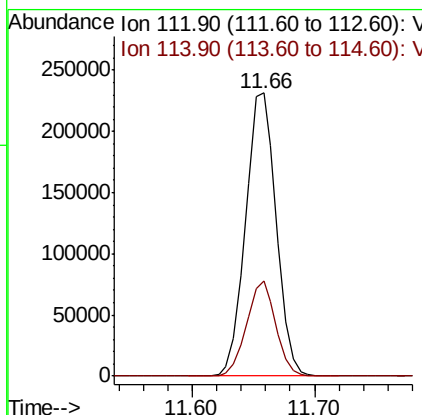
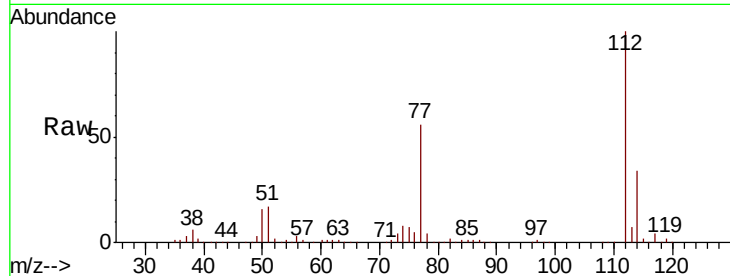
#65
Chlorobenzene
Concen: 48.955 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 402060
Ion Ratio Lower Upper
112 100
114 33.6 26.2 39.4

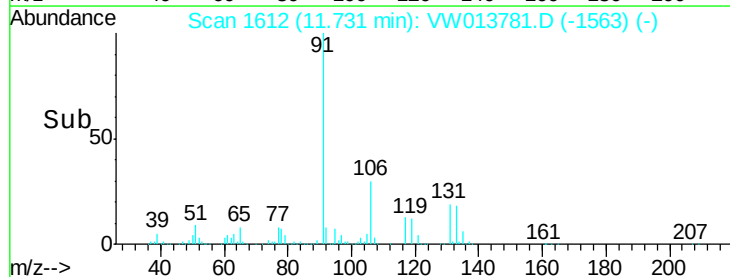
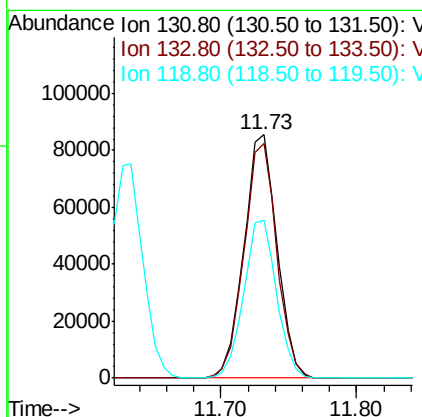
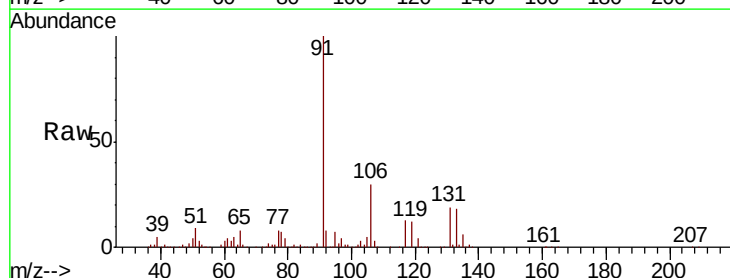
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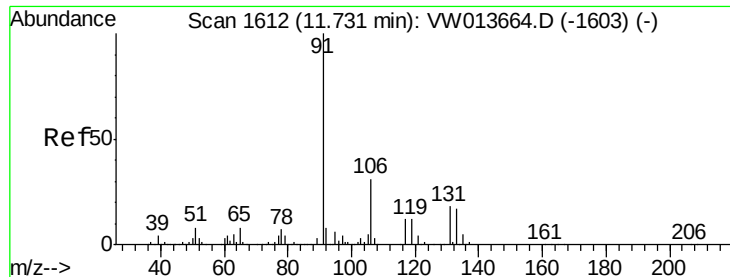
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.888 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion:131 Resp: 145859
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 64.3 33.1 99.2





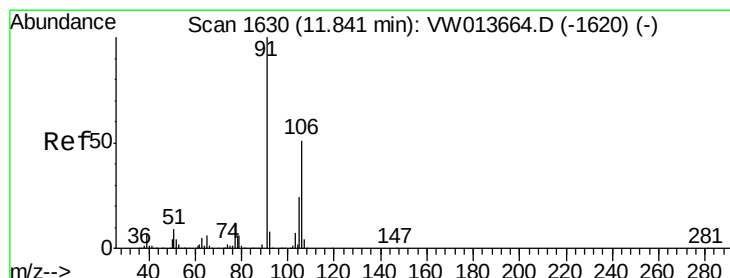
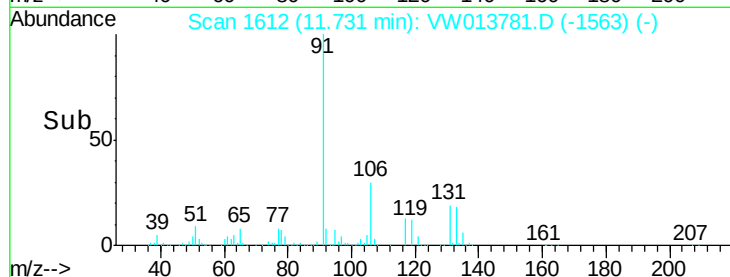
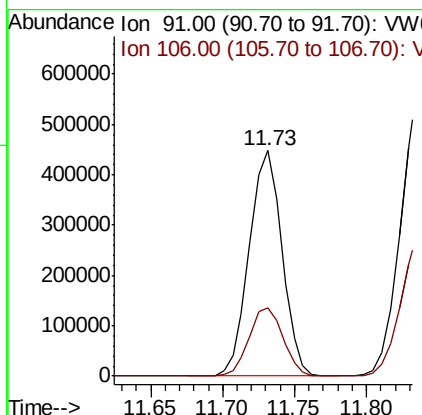
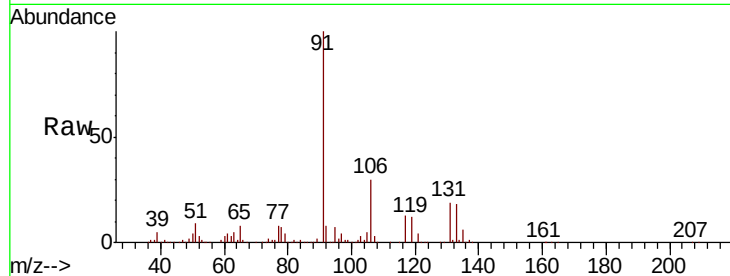
#67
Ethyl Benzene
Concen: 47.625 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 705297
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.6

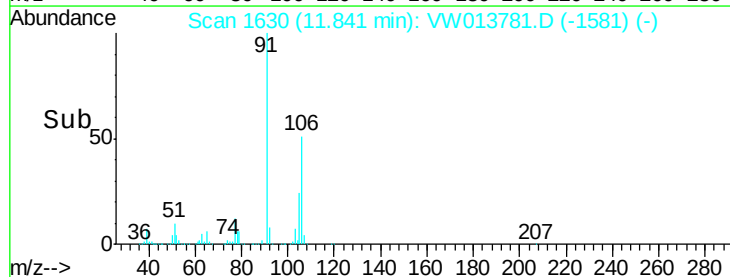
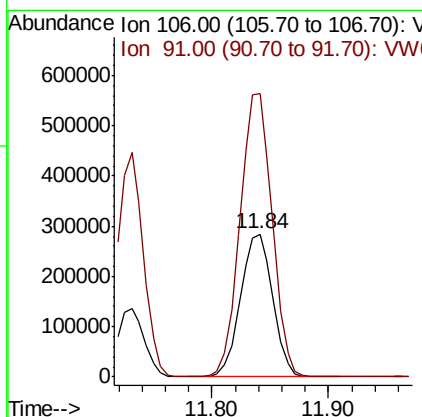
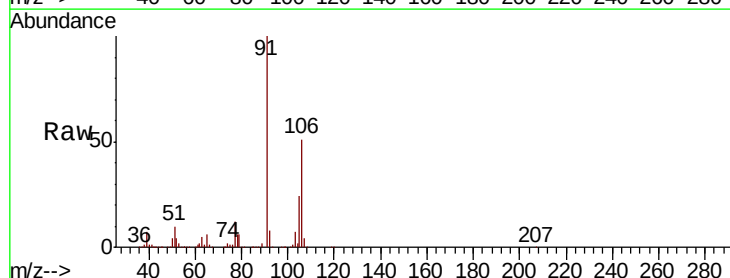
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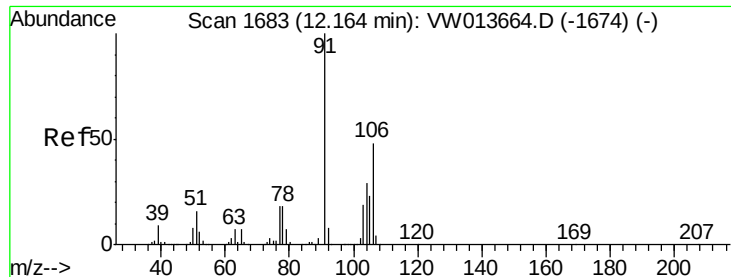
MMDadoda
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#68
m/p-Xylenes
Concen: 95.272 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion: 106 Resp: 545108
Ion Ratio Lower Upper
106 100
91 199.1 159.2 238.8





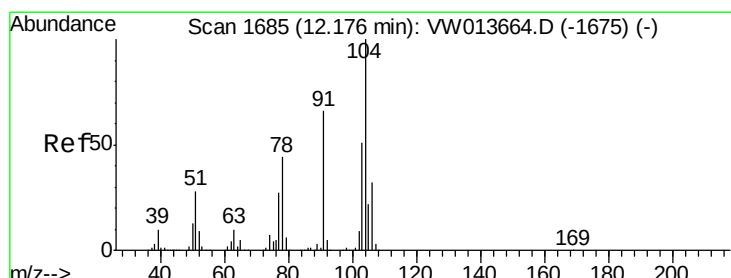
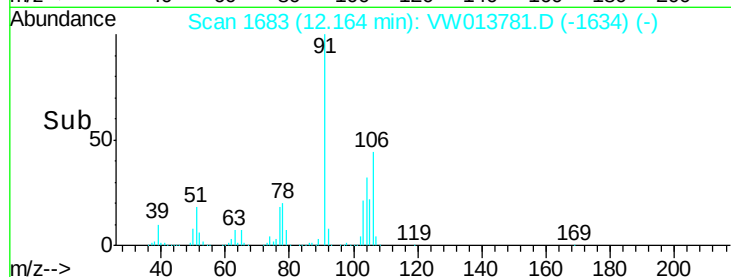
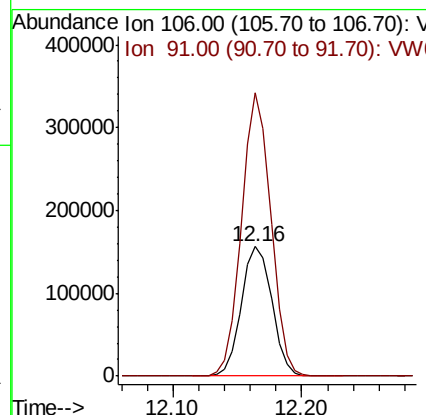
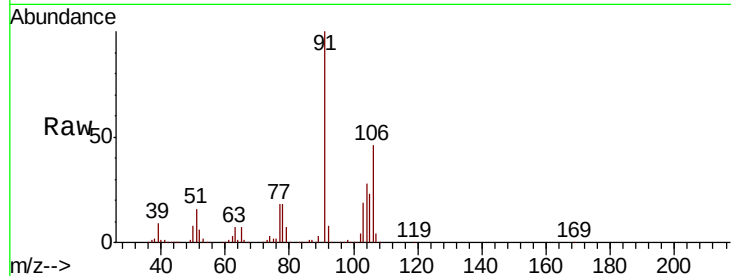
#69
o-Xylene
Concen: 48.815 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		256725		
91	210.0	104.9	314.7		

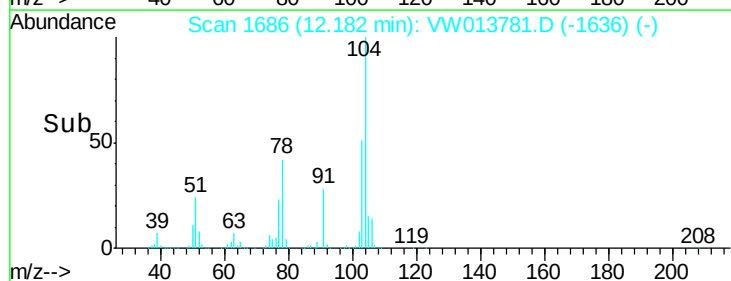
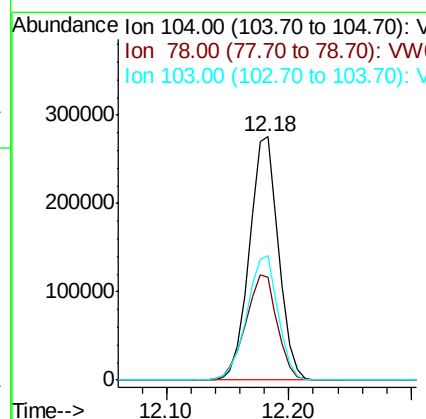
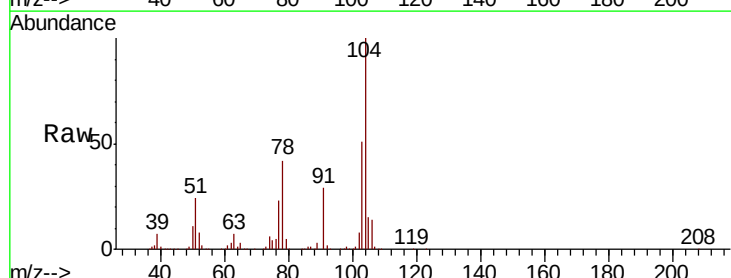
Manual Integrations
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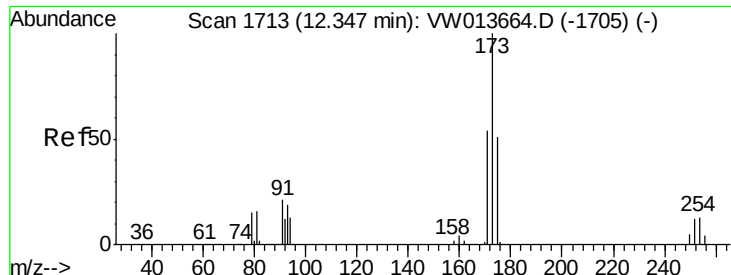
MMDadoda
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#70
Styrene
Concen: 50.429 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		455675		
78	47.1	37.1	55.7		
103	54.8	43.6	65.4		





#71

Bromoform

Concen: 53.544 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 80540

Ion Ratio Lower Upper

173 100

175 50.4 25.2 75.6

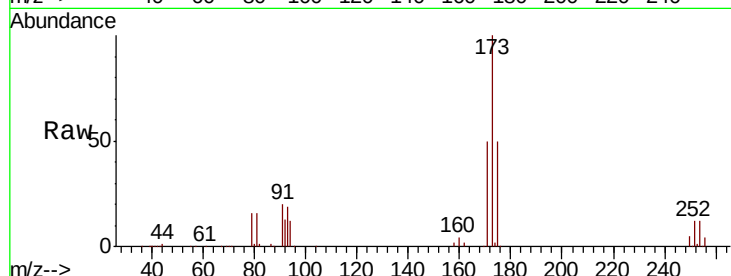
254 0.1 0.1 0.1#

Manual Integrations

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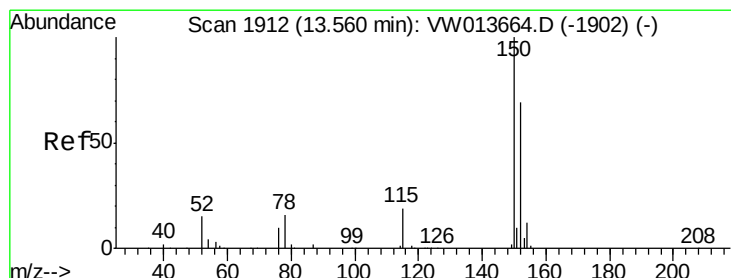
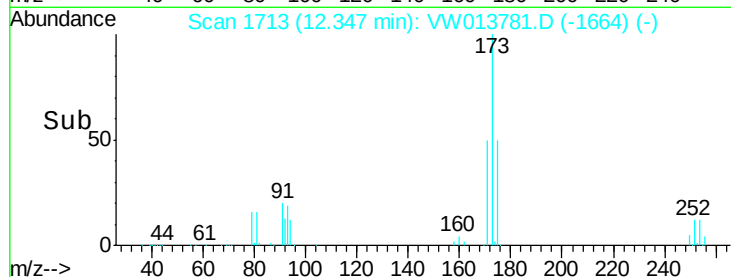
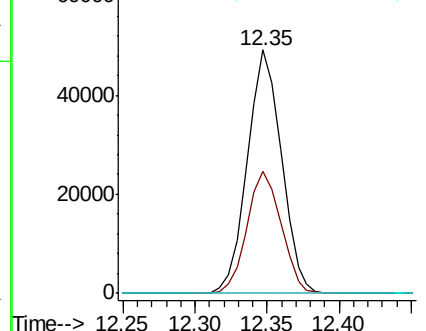
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

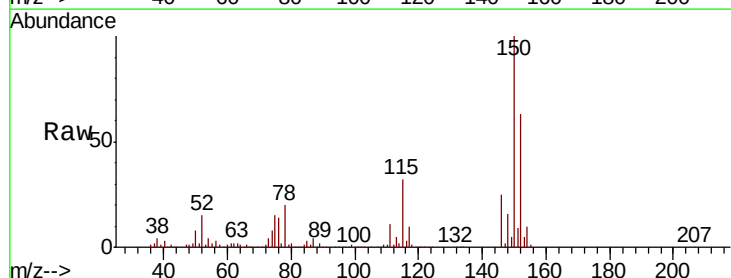
Tgt Ion:152 Resp: 208912

Ion Ratio Lower Upper

152 100

115 53.7 27.4 82.2

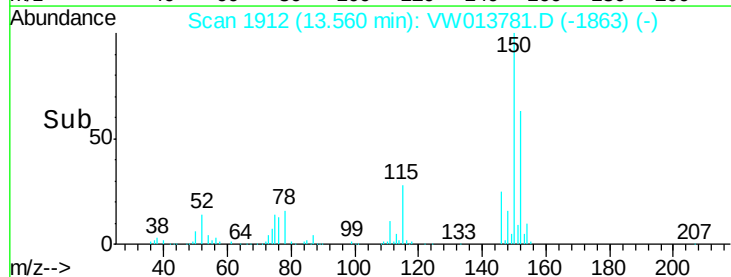
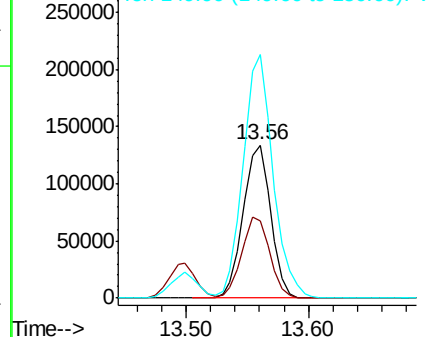
150 172.2 0.0 345.4

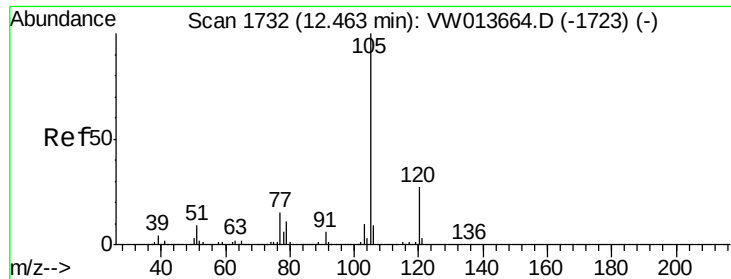


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





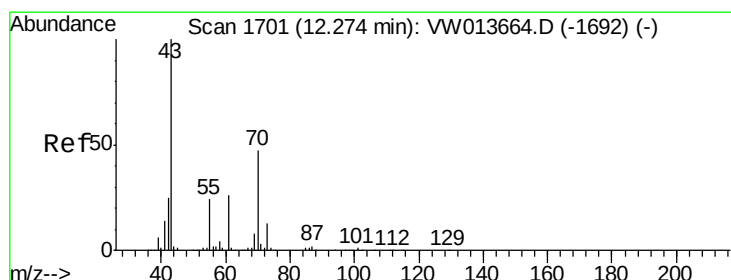
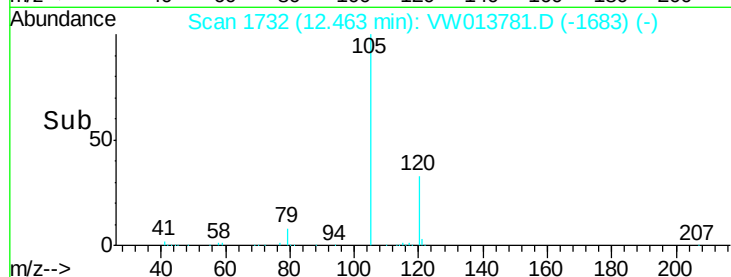
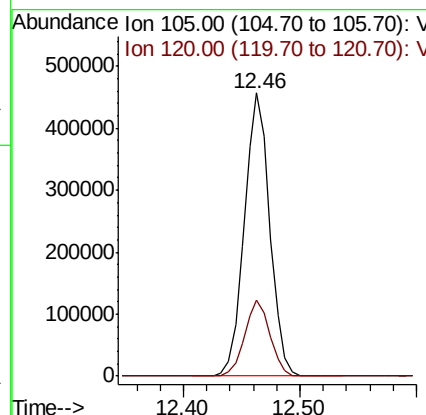
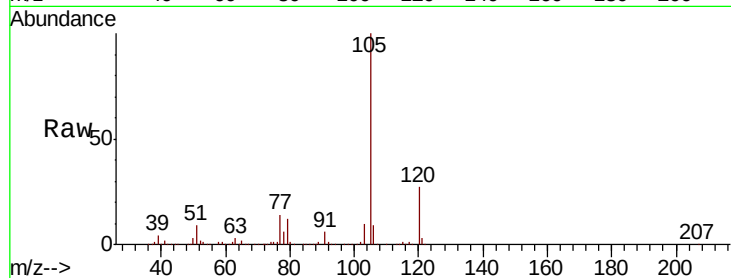
#73
Isopropylbenzene
Concen: 46.122 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.4

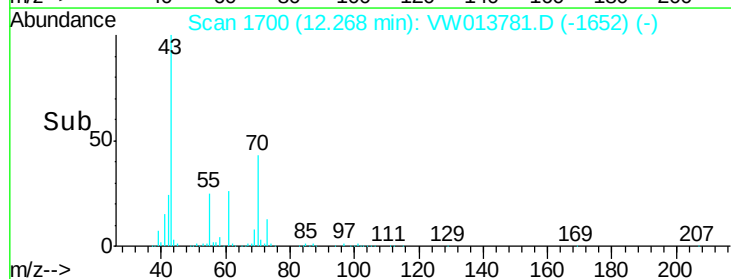
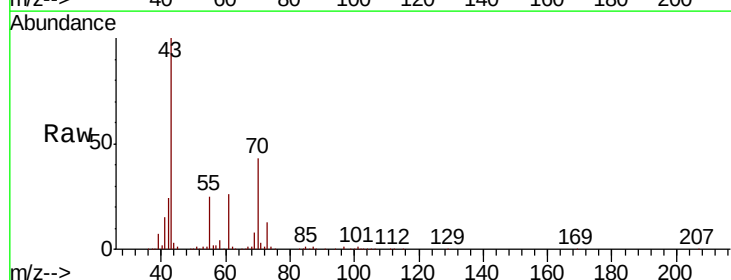
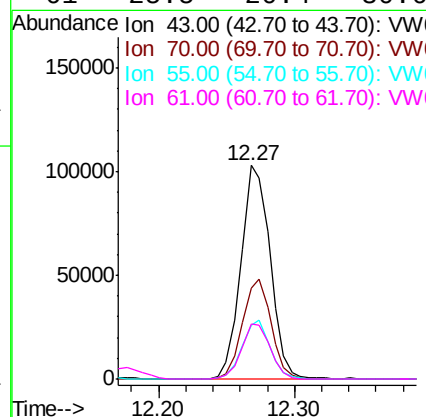
Manual Integrations
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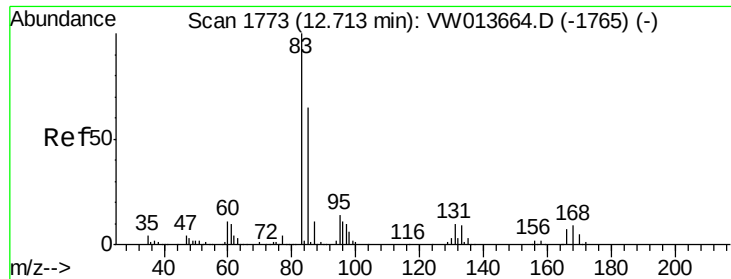
MMDadoda
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#74
N-ethyl acetate
Concen: 53.387 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.01 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	36.6	55.0
55	26.3	20.3	30.5
61	25.5	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.431 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

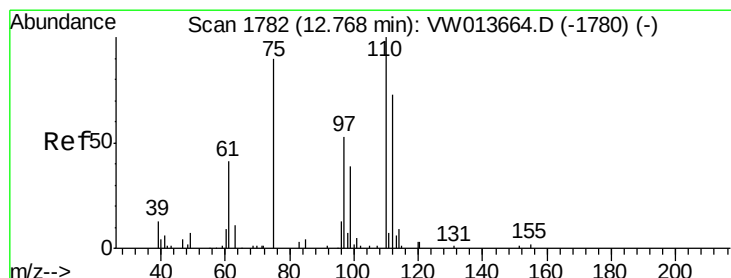
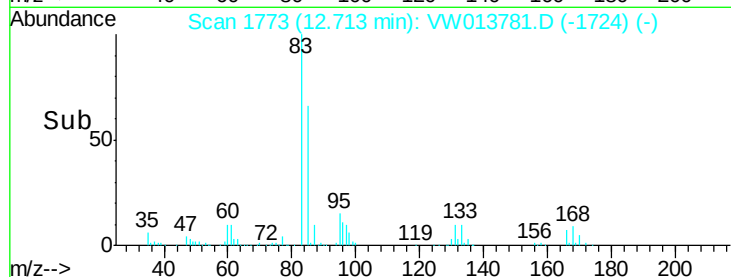
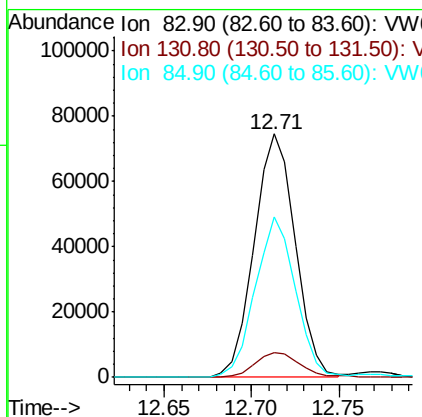
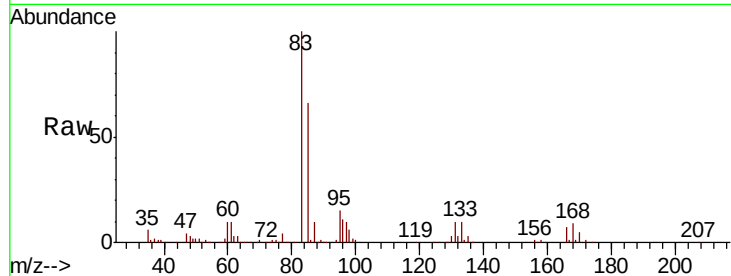
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121761
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	64.6	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 65.049 ug/l m

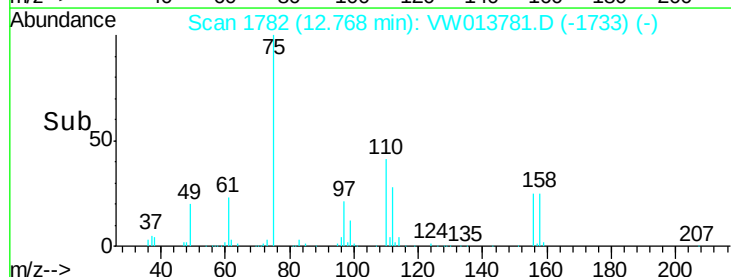
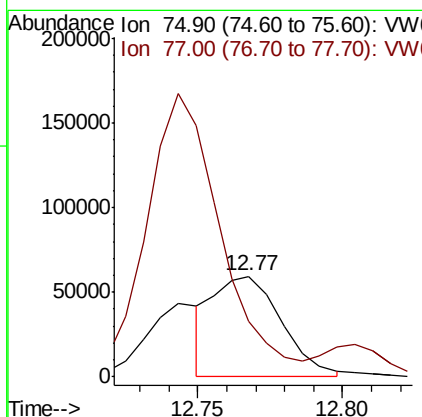
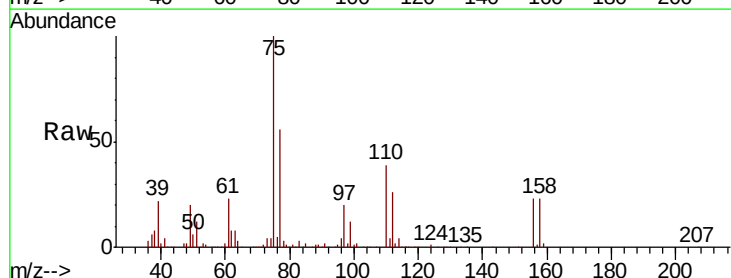
RT: 12.77 min Scan# 1782

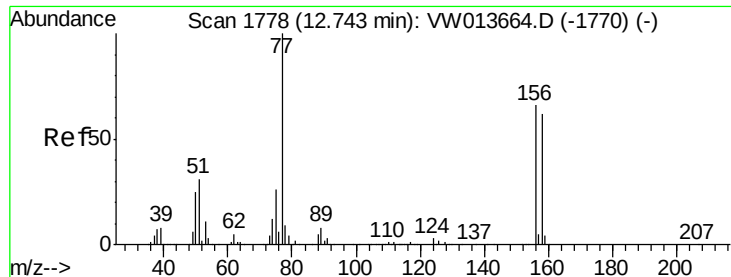
Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion:	75	Resp:	97592
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.633 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

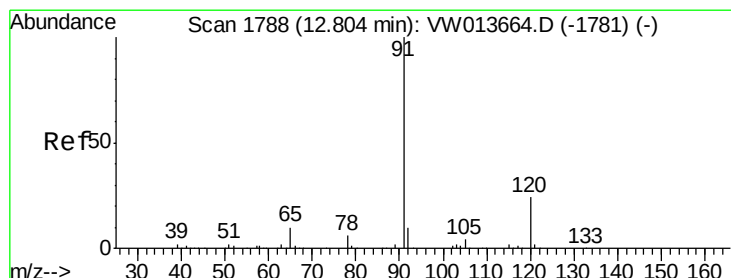
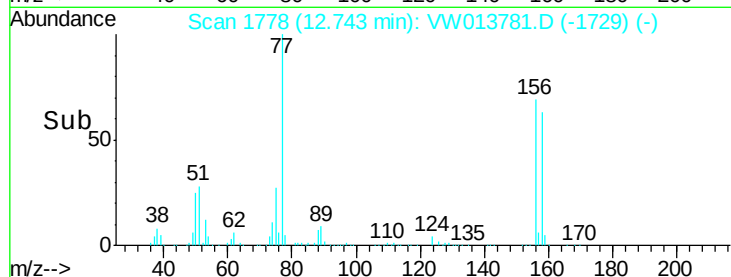
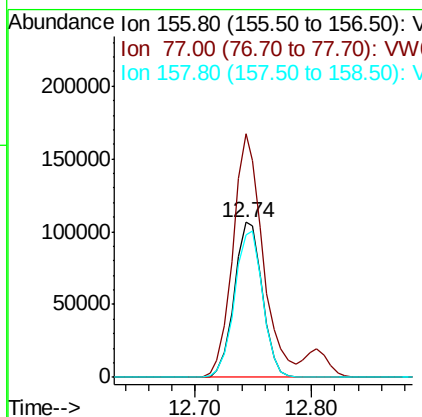
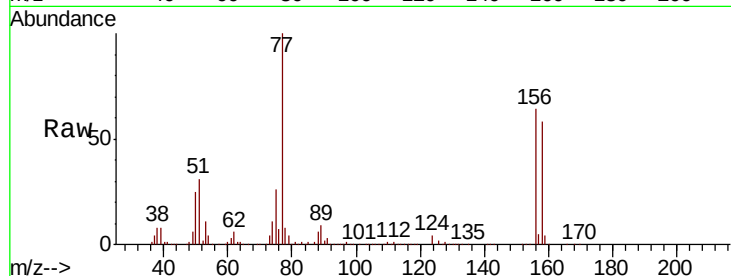
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	177881
Ion Ratio	Lower	Upper	
156	100		
77	167.8	82.9	248.7
158	95.5	48.4	145.2

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#78

n-propylbenzene

Concen: 46.564 ug/l

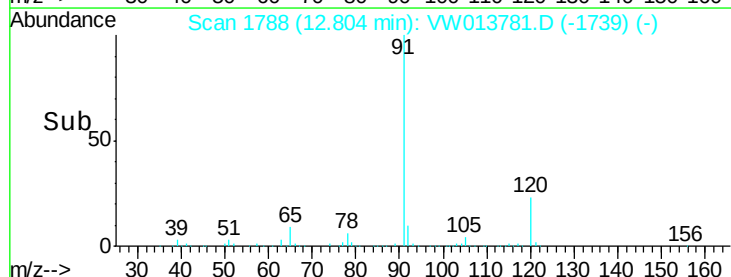
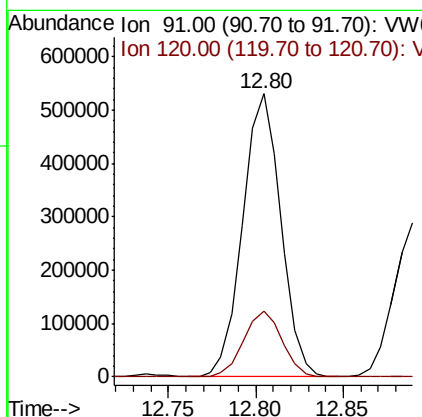
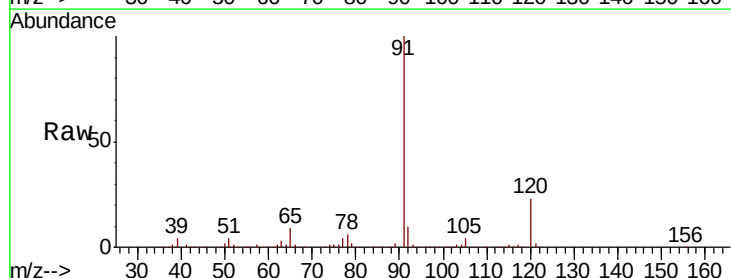
RT: 12.80 min Scan# 1788

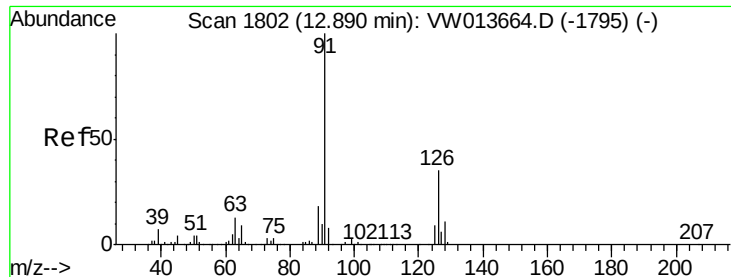
Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion:	91	Resp:	808571
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 47.459 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 463124

Ion Ratio Lower Upper

91 100

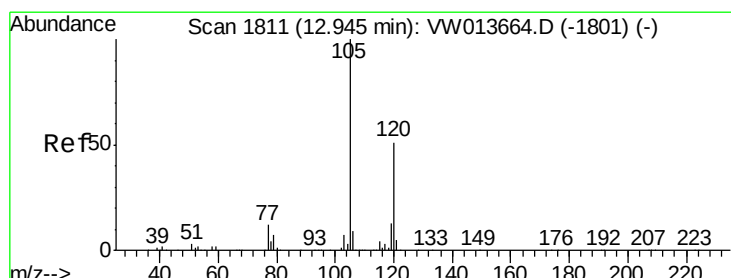
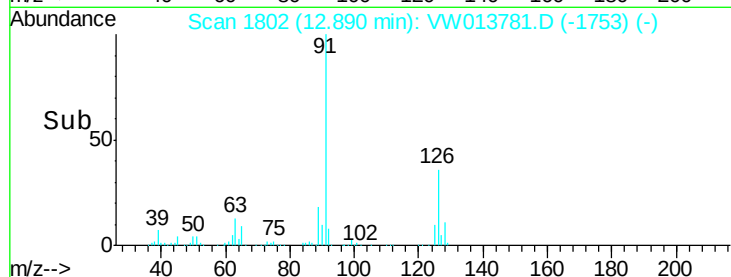
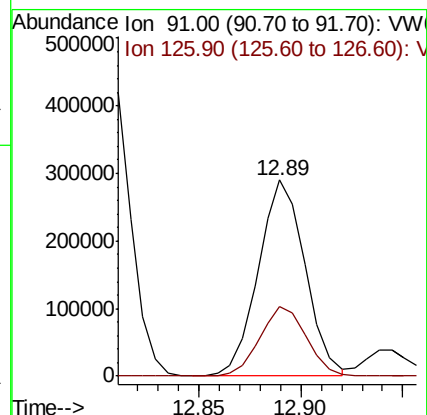
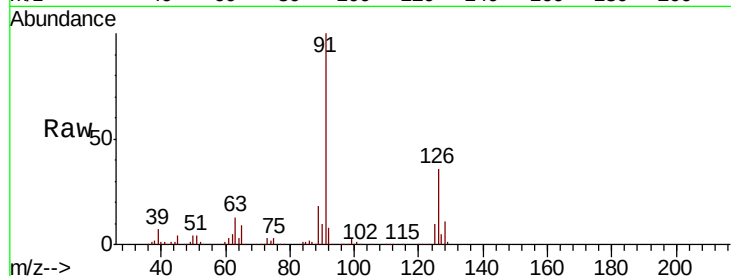
126 35.6 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.419 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013781.D

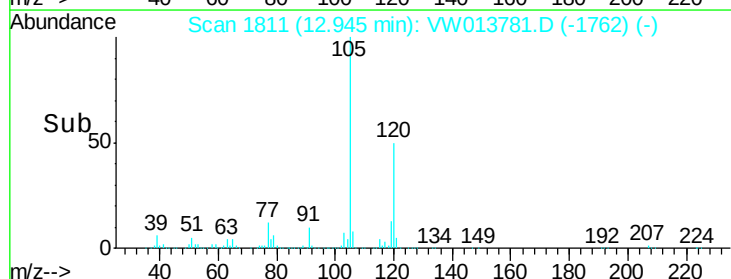
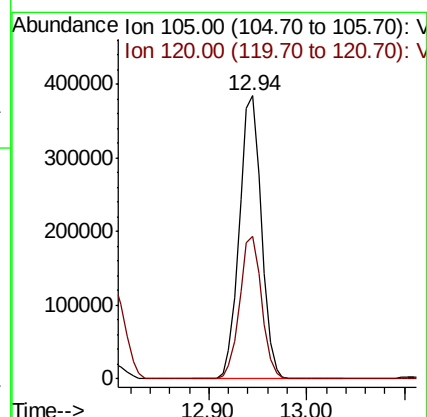
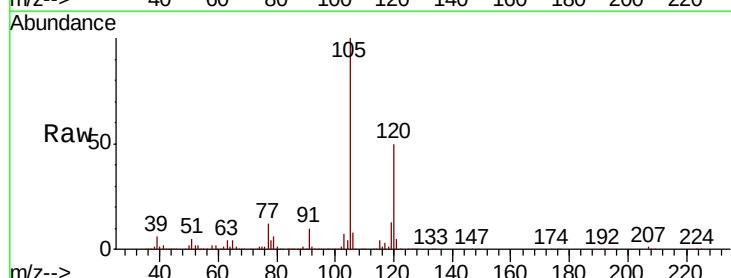
Acq: 28 Oct 2019 21:35

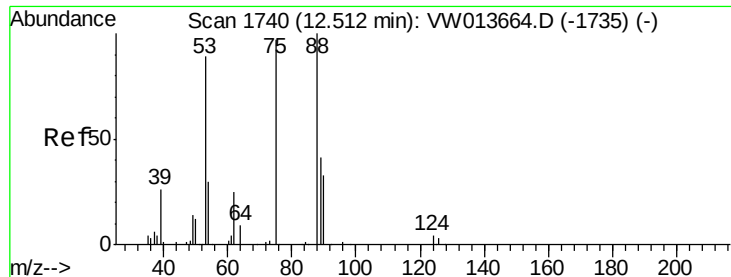
Tgt Ion: 105 Resp: 600544

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





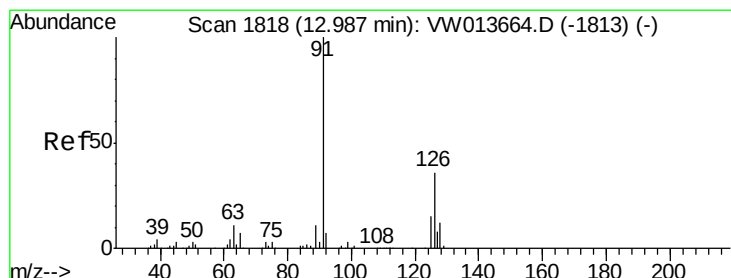
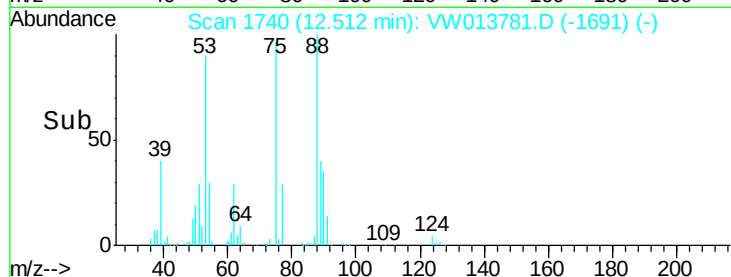
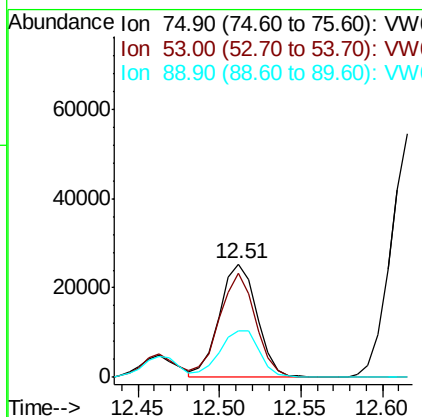
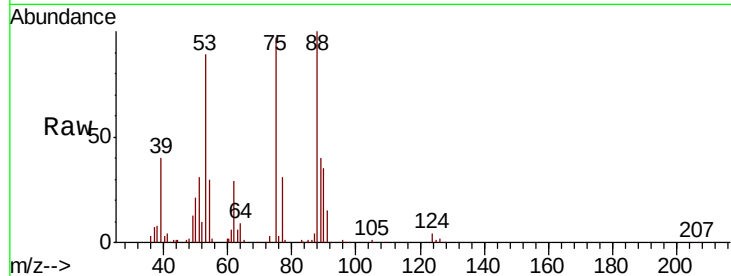
#81
trans-1,4-Dichloro-2-butene
Concen: 50.702 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	71.7	107.5
89	44.5	35.8	53.8

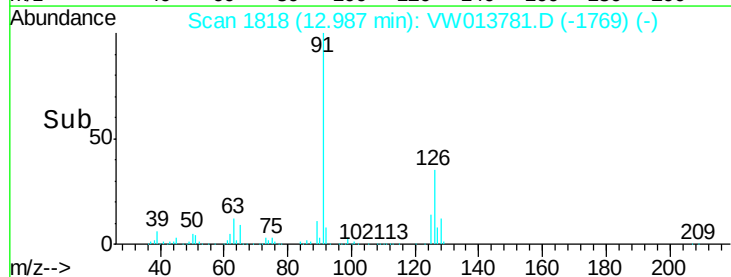
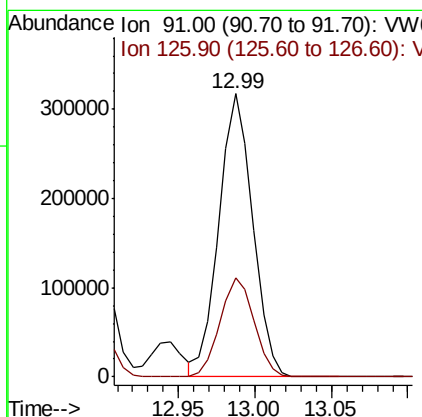
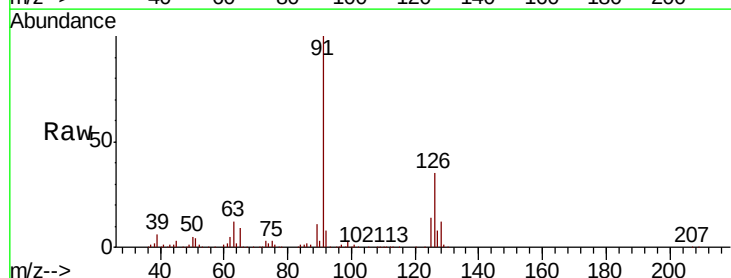
Manual Integrations
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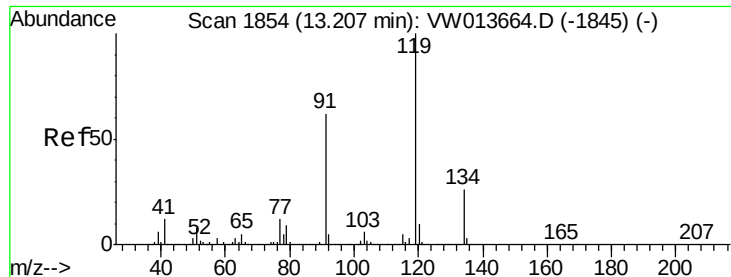
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.481 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.2	51.5





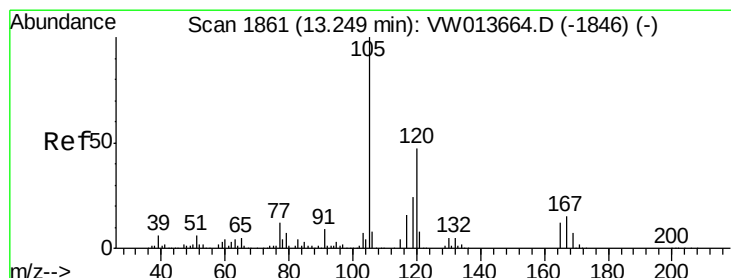
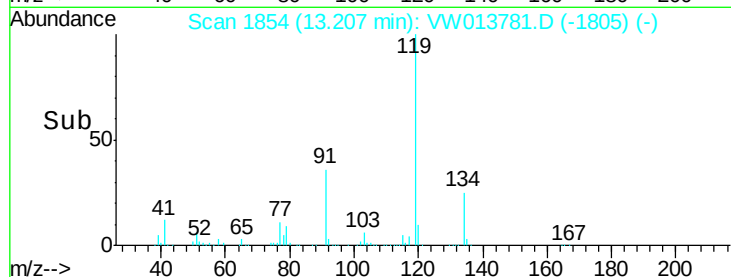
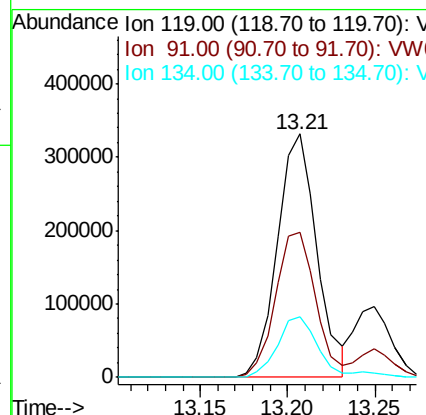
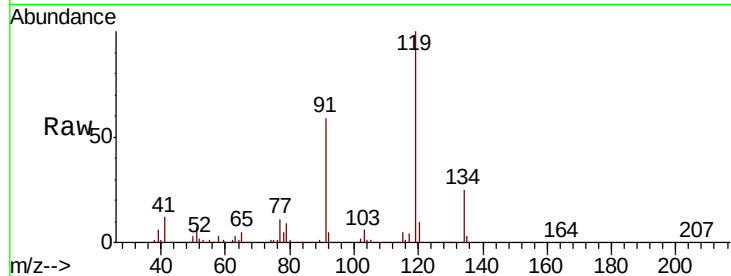
#83
 tert-Butylbenzene
 Concen: 46.541 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.4	91.3
134	26.9	13.6	40.8

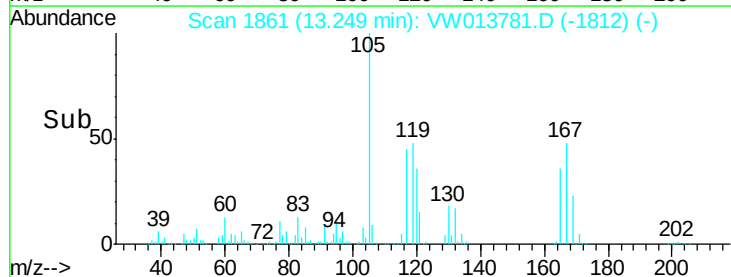
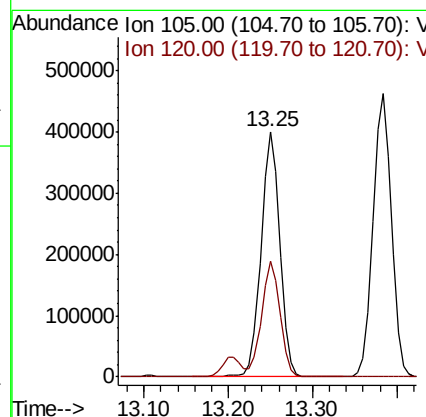
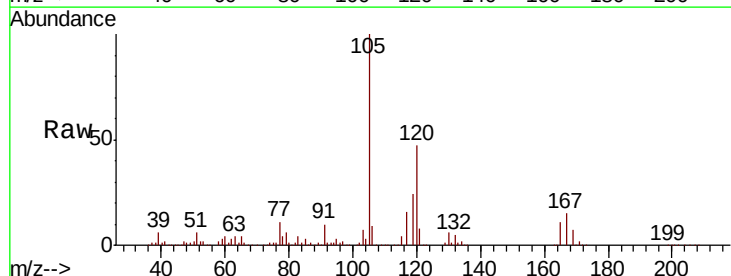
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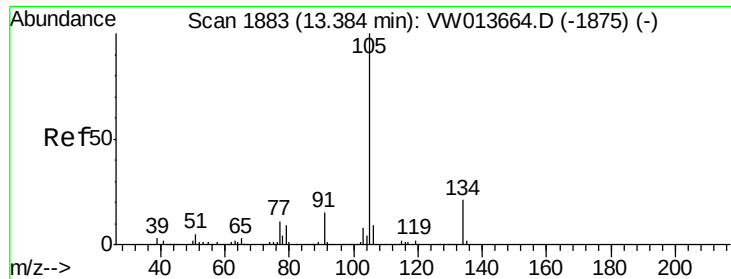
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.647 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.5	70.5





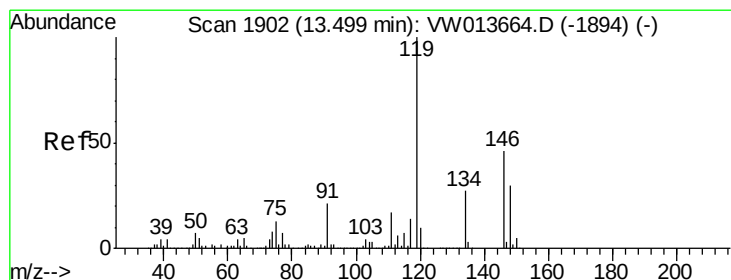
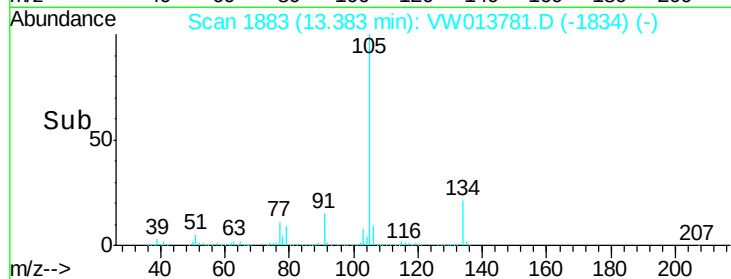
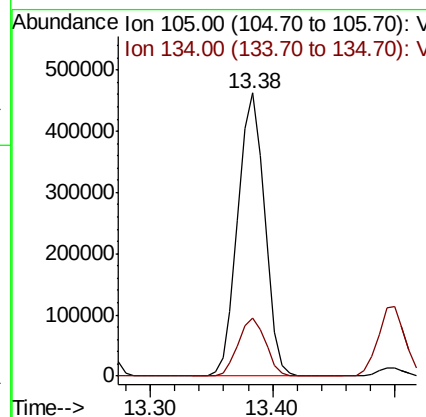
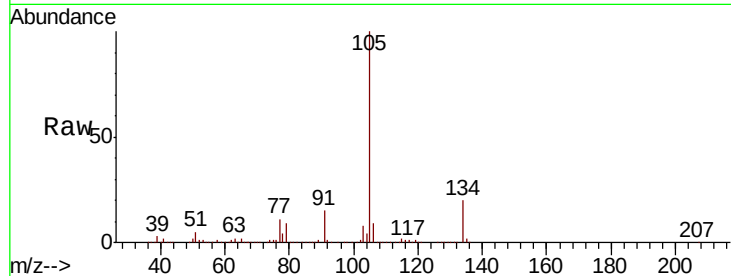
#85
 sec-Butylbenzene
 Concen: 45.719 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5

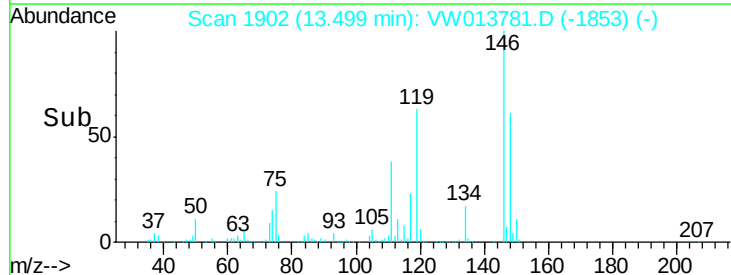
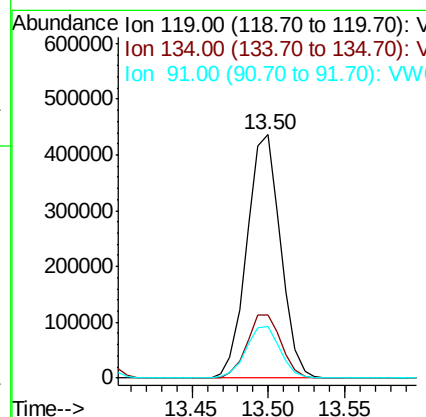
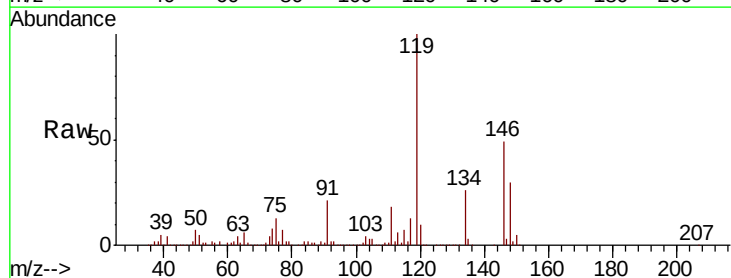
Manual Integrations
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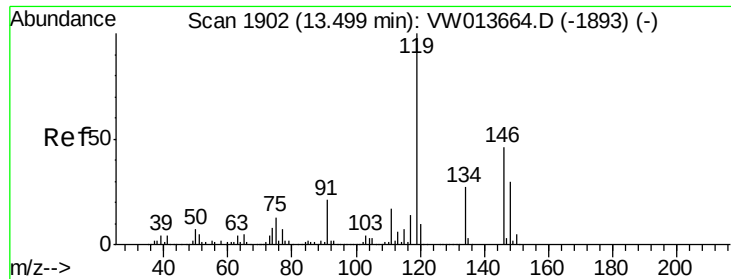
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 10/29/2019 2:04:59 PM



#86
 p-Isopropyltoluene
 Concen: 46.479 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	21.3	10.8	32.3





#87

1,3-Dichlorobenzene

Concen: 48.051 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

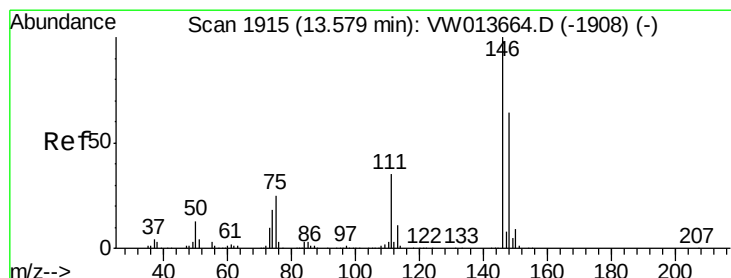
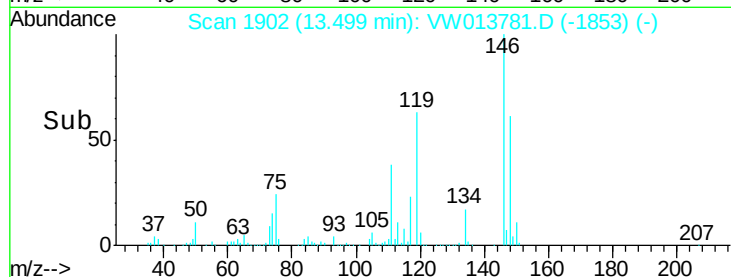
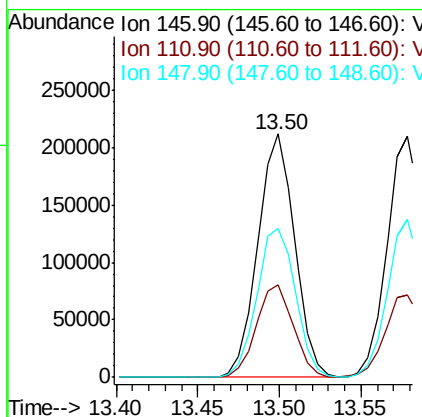
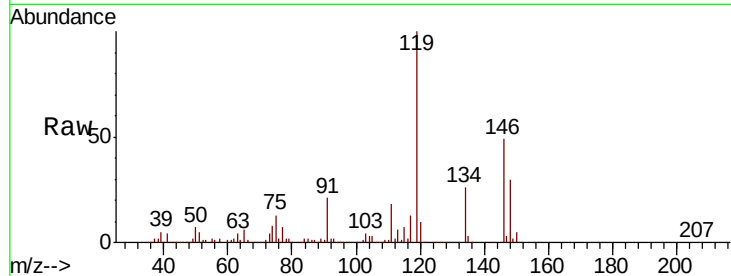
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	56.0
148	64.2	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 48.114 ug/l

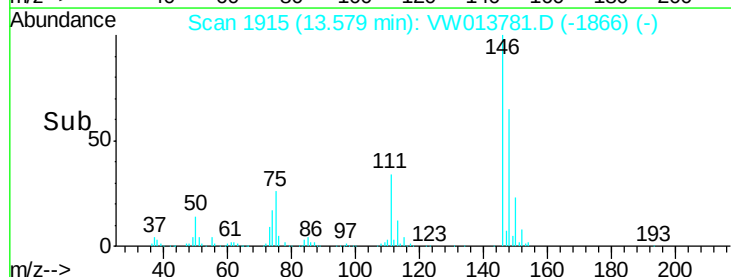
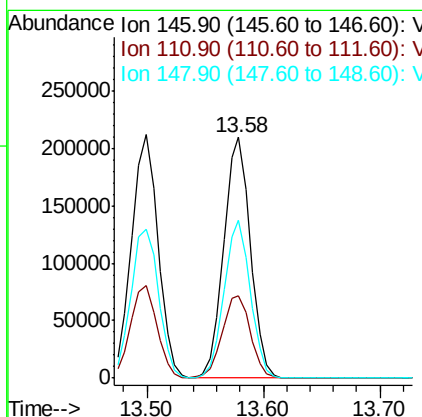
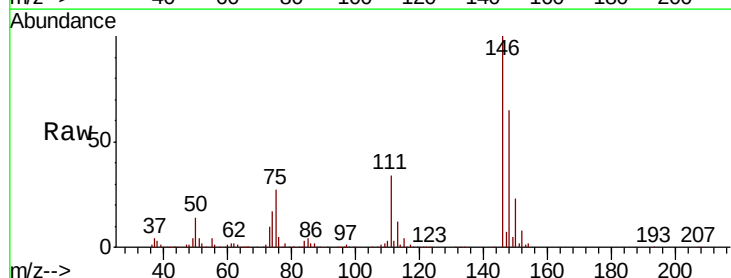
RT: 13.58 min Scan# 1915

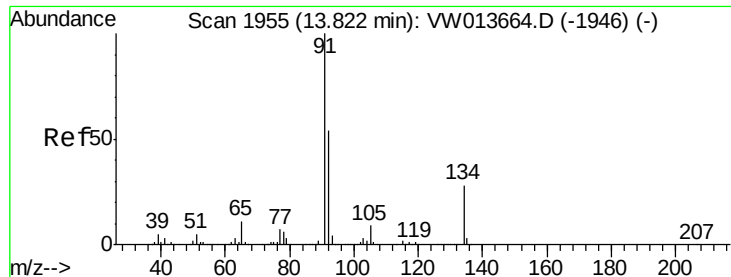
Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.3
148	64.6	32.0	96.2





#89

n-Butylbenzene

Concen: 45.233 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Instrument :

MSVOA_W

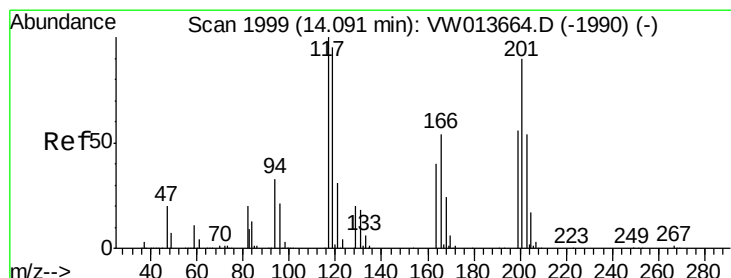
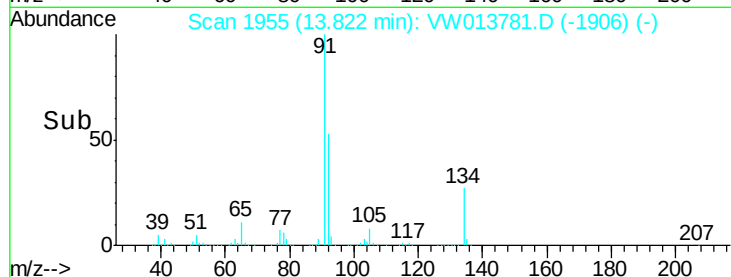
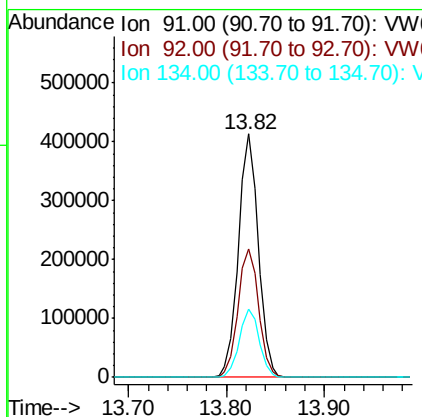
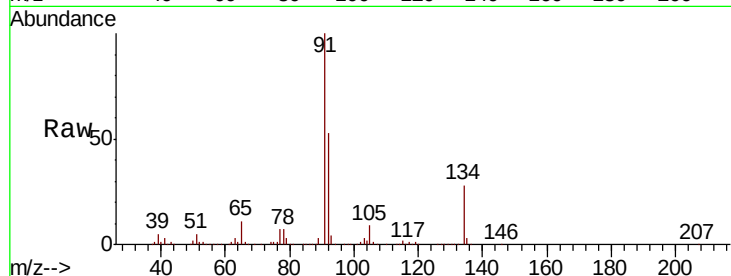
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	584666
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.4
134	28.2	14.0	41.9

Manual Integrations
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#90

Hexachloroethane

Concen: 46.489 ug/l

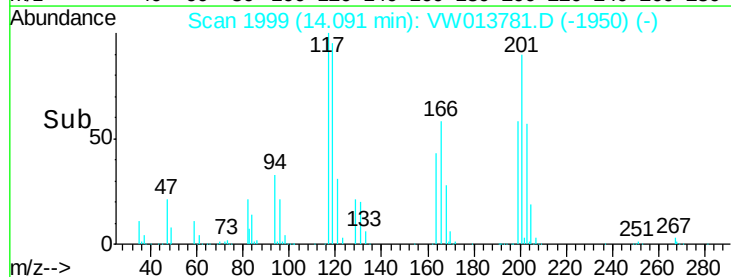
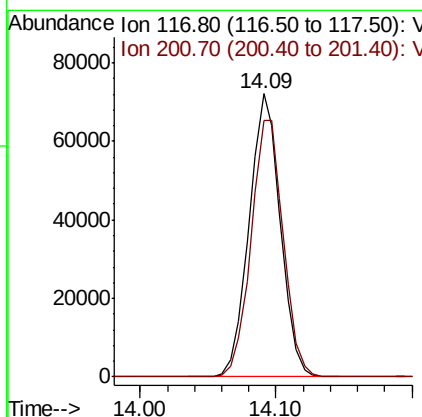
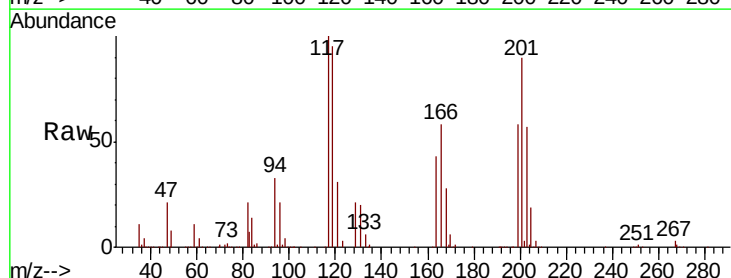
RT: 14.09 min Scan# 1999

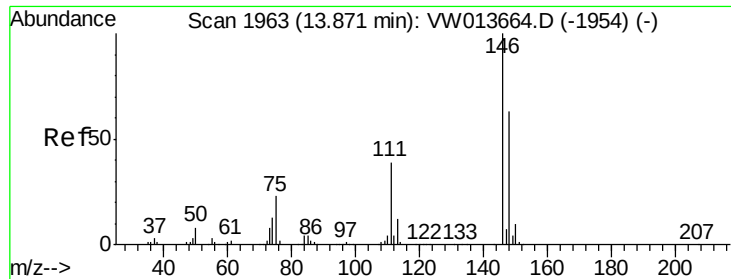
Delta R.T. -0.00 min

Lab File: VW013781.D

Acq: 28 Oct 2019 21:35

Tgt Ion:	117	Resp:	115713
Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.1	138.2





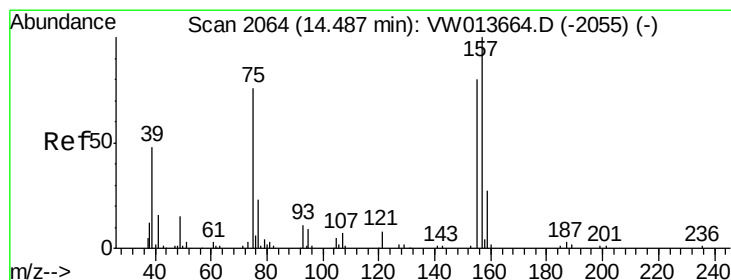
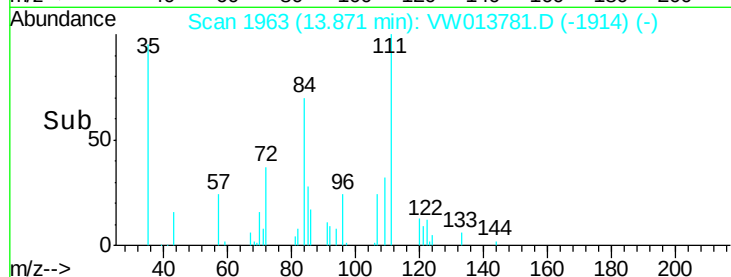
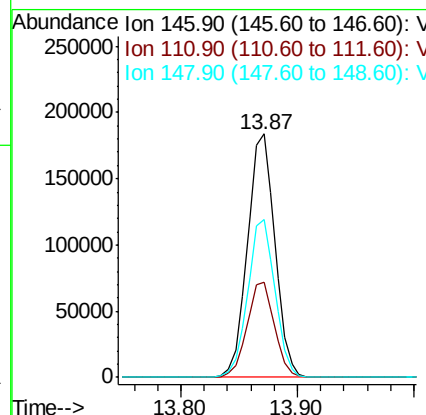
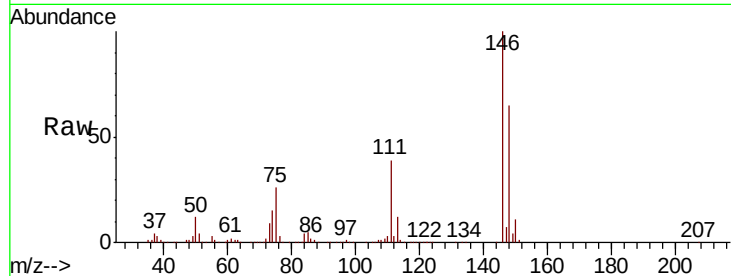
#91
 1,2-Dichlorobenzene
 Concen: 50.179 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	64.7	31.9	95.9

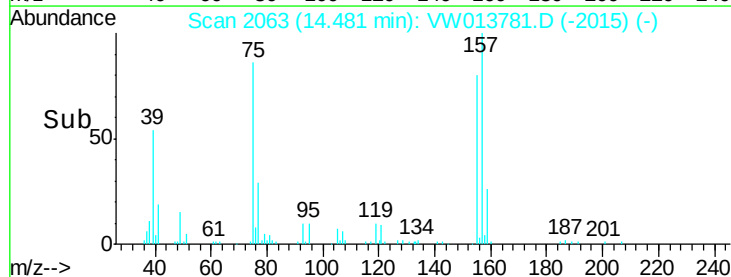
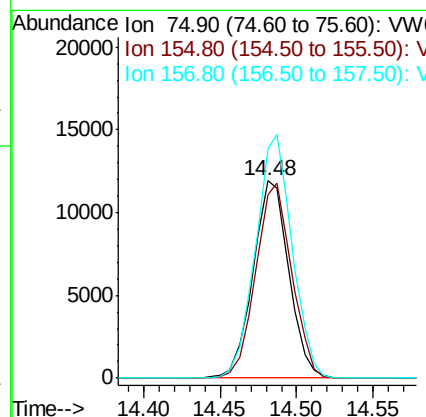
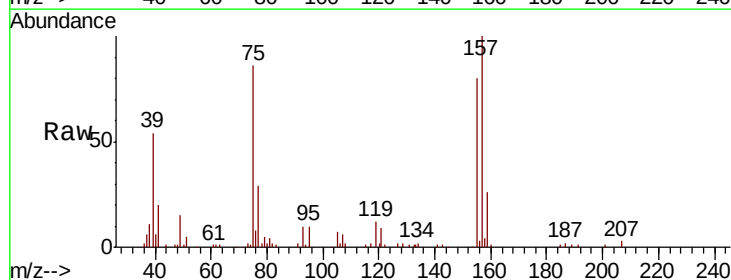
Manual Integrations
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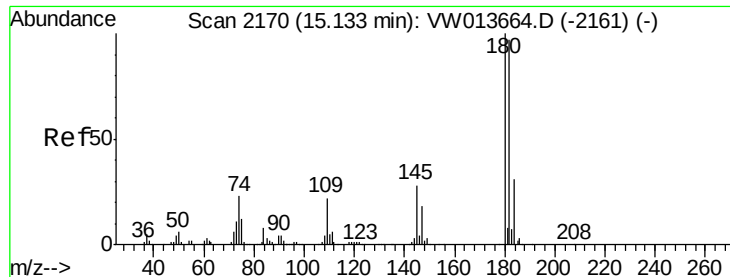
MMDadoda
 10/29/2019 2:04:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.167 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	51.9	155.7
157	125.5	64.8	194.3





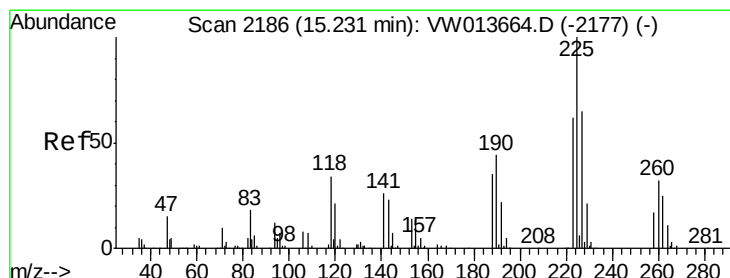
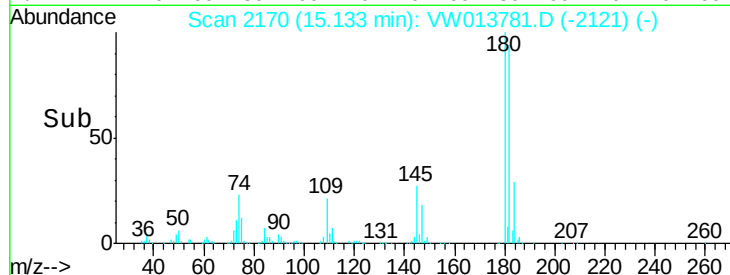
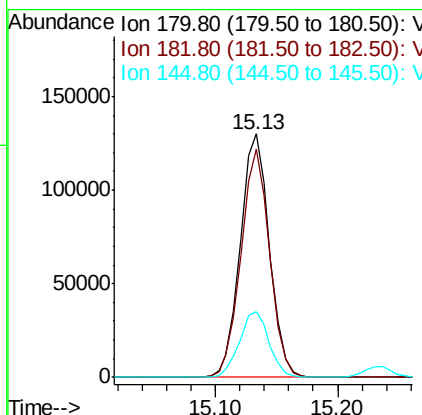
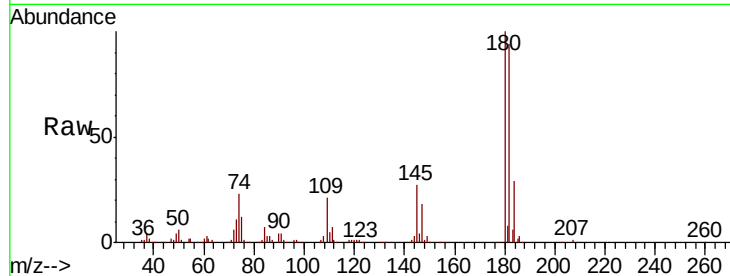
#93
 1,2,4-Trichlorobenzene
 Concen: 48.715 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	213456		
182	92.4	47.4	142.2	
145	27.5	14.1	42.3	

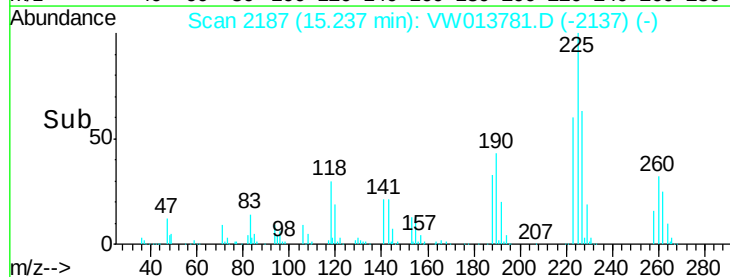
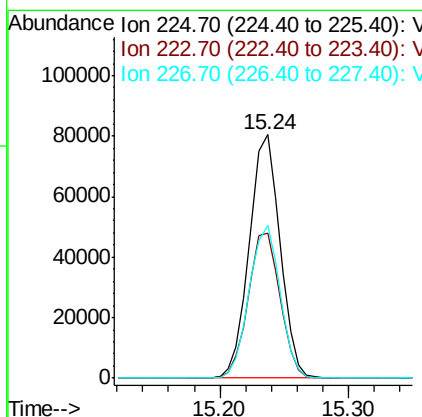
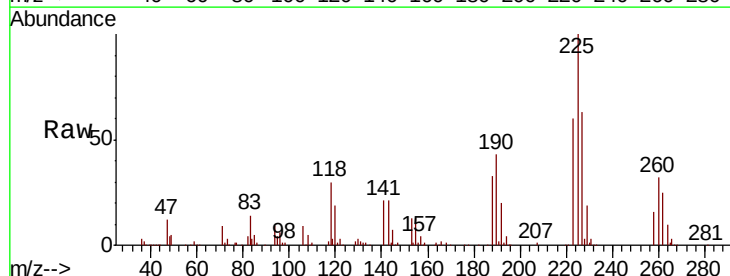
Manual Integrations
 APPROVED

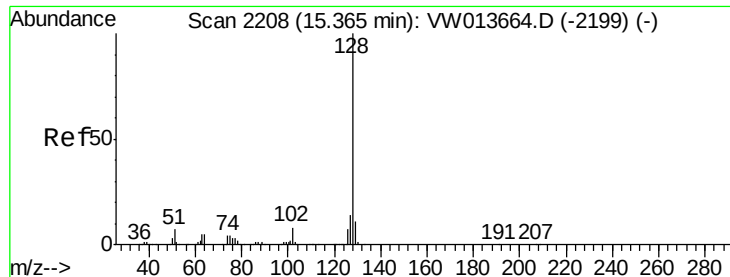
MMDadoda
 10/29/2019 2:04:59 PM



#94
 Hexachlorobutadiene
 Concen: 44.764 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013781.D
 Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132416		
223	61.8	31.9	95.9	
227	63.3	32.5	97.4	





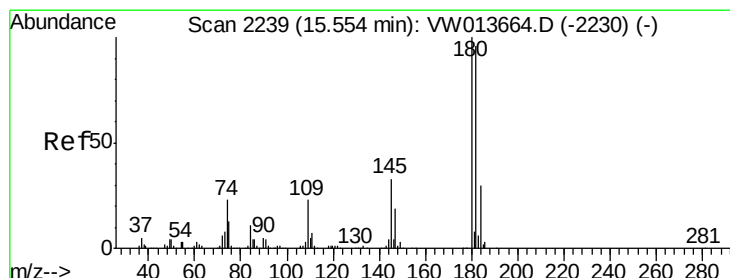
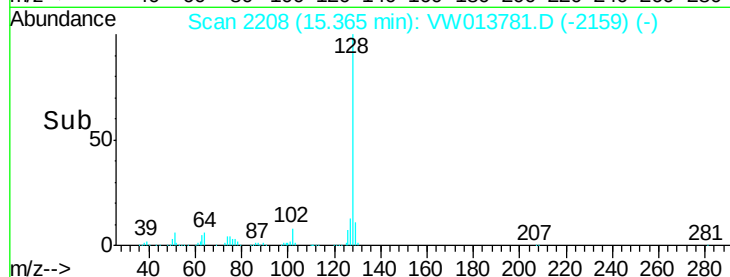
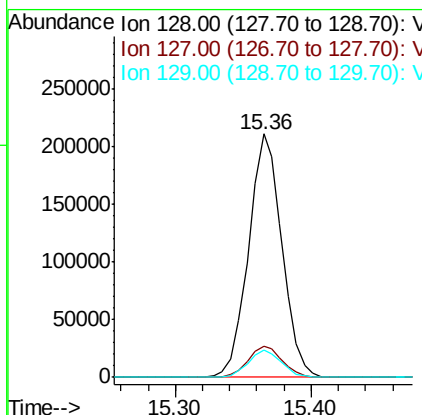
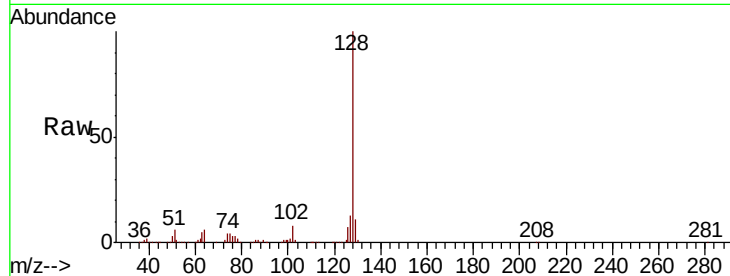
#95
Naphthalene
Concen: 52.703 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/29/2019 2:04:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.325 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013781.D
Acq: 28 Oct 2019 21:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.3
145	29.0	14.9	44.9

